



## Chevrolet Product Information

### 2016 CHEVROLET CORVETTE STINGRAY

#### New for 2016:

- Twilight Blue Design Package
- Spice Red Design Package
- Jet Black Suede Design Package
- Corvette Racing Yellow Tintcoat and Long Beach Red Metallic Tintcoat exterior colors
- New standard wheel design offered in silver, black, black machined and chrome
- Carbon Flash badge option deletes the chrome bar on the front grille
- Carbon Fiber Hood option features a visible weave section
- Flat-bottom steering wheel
- Available two-tone GT seats – red or gray – offered in leather or suede
- Red or yellow stitching option offered on Stingray 3LT Jet Black interior
- Power-cinch feature for coupe hatch and convertible trunk latches
- Front curb view parking camera offered on Stingray 2LT/3LT
- Magnetic Ride Control is available on Stingray models without the Z51 package; includes Z51-style wheels and rear spoiler
- Enhanced Chevrolet MyLink with smartphone projection technology, featuring Apple CarPlay capability

### 2016 CORVETTE STINGRAY OFFERS NEW DESIGN PACKAGES, CONNECTIVITY AND TECHNOLOGY ENHANCEMENTS

After garnering more than 20 industry awards in 2014 and earning another spot on Car and Driver's coveted 10Best list for 2015, the Corvette Stingray powers ahead for 2016 with appearance, connectivity and technology enhancements that offer customers more personalization choices and convenience features.

Three all-new, color-themed design packages – Twilight Blue, Spice Red and Jet Black Suede – lead the charge, offering custom-tailored appearances that elevate the Stingray's presence on the street or track, while features such as an available front curb view parking camera and power-cinching latch for the coupe's hatchback or convertible's trunk enhance convenience – and add an extra measure protection.

New smartphone projection technology on Corvette Stingray's MyLink system displays content from Apple iPhone 5 or later models on the multicolor screen through the Apple CarPlay feature. Supported apps for the system include phone, messages, maps, music and compatible third-party apps.



## Chevrolet Product Information

Additional updates and enhancements for the 2016 Corvette Stingray include:

- Corvette Racing Yellow Tintcoat and Long Beach Red Metallic Tintcoat exterior colors (replacing Velocity Yellow and Crystal Red Tintcoat)
- New standard wheel design now offered silver, black, machined and chrome
- Carbon Flash badge option deletes the chrome bar on the front grille
- Carbon Fiber Hood option features a visible weave section
- Flat-bottom steering wheel
- Available two-tone GT seats – red or gray – offered in leather or sueded microfiber
- Red or yellow stitching option offered on Stingray 3LT Jet Black interior
- Magnetic Ride Control is available on Stingray models without the Z51 package.

Along with all that's new with the 2016 Corvette Stingray, it carries over an unmatched combination of performance and efficiency. Power comes from the 6.2L LT1 V-8 rated at an SAE-certified 455 horsepower (339 kW) and 460 lb-ft of torque (624 Nm) – and 460 horsepower (343 kW) and 465 lb-ft (630 Nm) with the available performance exhaust system. The LT1 engine is offered with a seven-speed manual transmission with Active Rev Match and a paddle-shift eight-speed automatic transmission that offers quick shifts on par with the world's best dual-clutch transmissions – delivered with the smoothness unique to a transmission with a torque converter.

Corvette Stingray's powertrain enables manual-transmission Z51-equipped models able to accelerate from 0-60 in 3.8 seconds – 3.7 seconds with the eight-speed automatic – and run the quarter-mile in 12 seconds at 119 mph, while the Corvette's chassis and suspension features contribute to 1.03g in cornering grip and stop from 60 mph in 107 feet.

The Corvette Stingray backs its performance capability with the greatest efficiency of any sports car on the market with more than 450 horsepower, delivering an EPA-estimated 17 mpg city driving and 29 mpg on the highway with the seven-speed manual transmission.

Corvette Stingray is offered in 1LT, 2LT and 3LT trim levels.

### **Design package details**

The three new design packages offered on 2016 Stingray offer customers more choices for a tailored look and feel of their Corvette. Each gives the vehicle a distinctive, customized appearance that reflects the different roles the Corvette plays in different customers' experiences – from high-performance to grand touring.

Each is offered on Stingray 3LT coupe and convertible models with the following details.



## Chevrolet Product Information

### **Twilight Blue Design Package:**

- Offered in Shark Gray, Blade Silver, Arctic White or Night Race Blue exterior colors
- Convertibles feature a blue top and Shark Gray tonneau inserts
- Shark Gray accent vents
- Polished Motorsport wheel
- Black or gray brake calipers
- Wing rear spoiler included on Stingray models without the Z51 package
- Optional tri-color stripe package
- Special Twilight Blue full-color interior color
- Magnetic Ride Control required on Stingray models without Z51.

### **Spice Red Design Package:**

- Offered in new Long Beach Red Metallic Tintcoat, Shark Gray, Blade Silver and Arctic White exterior colors
- Convertibles feature a Spice Red top
- Polished Motorsport wheel
- Wing rear spoiler included on Stingray models without the Z51 package
- Special Spice Red full-color interior color
- Magnetic Ride Control required on Stingray models without Z51.

### **Jet Black Suede Design Package:**

- Offered in Black, Blade Silver, Arctic White and Torch Red exterior colors
- Convertibles feature a black top
- Satin black wheels with red stripe
- Red brake calipers
- Wing rear spoiler included on Stingray models without the Z51 package
- Carbon Flash exterior badges
- Satin black hood extractor and graphic
- Special Jet Black sueded microfiber interior – with sueded microfiber steering wheel and shifter
- Carbon fiber (high gloss) interior trim plate
- Magnetic Ride Control on Stingray models without Z51.

### **Corvette Stingray design**

Corvette Stingray's provocative exterior styling is as functional as it is elegant. It makes a bold design statement that embraces the advanced technology of the car, while enhancing its overall performance in everything from the wind tunnel to the track.

Lighting is a signature element of the Corvette Stingray's design and reinforces its high-tech aesthetic. At the front, indirect white LED lamps form a distinctive daytime styling cue. They are set in black-chrome lamp housings with standard HID projector headlamps. The turn signals feature edge-lit amber LED lighting.



## Chevrolet Product Information

The dual-element taillamps feature three-dimensional, sculpted lenses housing innovative indirect LED lighting. The state-of-the-art lighting uses hidden LED lamps that cast their light up from the bottom of the housing into a reverse reflector, creating an even glow. LED lamps are also used for the white backup lamps. The taillamps integrate functional aircraft-style air outlets for the available differential and transmission coolers.

The Corvette Stingray convertible features a fully electronic top that can be lowered remotely using the key fob. The top can also be opened or closed on the go, at speeds of up to 30 mph (50 km/h). Its folding mechanism is all-new and enables the top to be lowered in 21 seconds.

With the top up, the convertible is designed for a refined driving experience. A thick fabric top, along with sound-absorbing padding and a glass rear window, contributes to a quiet cabin and premium appearance.

With the top down, the Corvette Stingray's signature profile is further accentuated. Behind the seat backs, dual black trim panels enhance the character lines of the tonneau cover. Corvette Stingray's signature "waterfall" design originates in the valley between the seats, bringing the exterior color into the interior.

All Corvette Stingray models with the Z51 Performance Package feature integral coolers for the rear differential and transmission (the transmission cooler is also included with the optional automatic transmission). For coupe models, the air intakes are integrated on the rear quarter panels; and on convertible models, the air intakes are integrated into the underbody.

Airflow through the differential and transmission heat exchangers exits through the aircraft-inspired taillamp vents and lower-rear fascia air outlets. The Z51 Performance Package also includes brake-cooling ducts, a unique rear spoiler and additional air deflectors for enhanced track capability.



## Chevrolet Product Information

Additional exterior features include:

- Heated outside mirrors are standard on all trim levels and a driver's auto-dimming outside mirror is standard on 2LT and 3LT trims
- Removable carbon fiber roof panel (body color) is standard on all coupes; a transparent roof panel is available
- Visible carbon fiber roof panel is available on 2LT and 3LT
- Dual roof packages including solid and transparent removable roof panels are available on 2LT and 3LT coupes; solid roof offered in body color or carbon fiber
- Exterior badges offered in available Carbon Flash (chrome is standard)
- Stinger-type and dual racing stripe packages are offered in several colors
- 18 x 8.5-inch front and 19 x 10-inch rear wheels are standard on Corvette Stingray. Silver-painted aluminum is standard; chrome, black and machined black finishes are available
- 19 x 8.5-inch front and 20 x 10-inch rear wheels are standard with the Z51 Performance Package. Silver-painted aluminum is standard; black machined aluminum (new for 2015), chrome and black finishes available
- New FE2 Magnetic Ride Control on Stingray enables Z51 wheels and rear spoiler without the Z51 Performance Package.

Exterior colors: Laguna Blue Tintcoat, Daytona Sunrise Orange Metallic, Corvette Racing Yellow Tintcoat, Arctic White, Blade Silver Metallic, Black, Shark Gray Metallic, Long Beach Red Metallic Tintcoat, Torch Red and Night Race Blue Metallic.

### **Handcrafted, technologically advanced interior**

The Corvette Stingray interior blends fine materials and craftsmanship with advanced technologies that contribute to a more connected and more engaging driving experience. Every feature and detail is designed to enhance the driver's connection to the Corvette, starting with the fighter jet-inspired wraparound cockpit and continuing with supportive seats and high-definition, configurable screens.

A comparatively small, 14.1-inch-diameter (360 mm) steering wheel – with a new flat-bottom design – fosters a more direct, immediate feel to directional inputs. The attention to the driver extends to the smallest details, including the flat, precise stitching on the steering wheel designed to provide a smooth, consistent feel.



## Chevrolet Product Information

Precise and elegant stitching also is seen in the available Napa leather trim on the seats. Two seating choices are offered: a GT seat for all-around comfort and a Competition Sport seat with more aggressive side bolstering that provides greater support on the track. The frame structure for both seats is made of magnesium for greater strength. Several trim combinations are offered for the seats:

- **1LT:** GT seats with perforated Mulan leather seating surfaces or Competition Sport seats with leather seating surfaces and sueded microfiber inserts
- **2LT:** GT or Competition Sport seats with perforated Mulan leather seating surfaces; GT or Competition Sport seats with leather seating surfaces and sueded microfiber inserts
- **3LT:** GT seats with perforated Napa leather seating surfaces; Competition Sport seats with perforated Mulan leather seating surfaces; GT or Competition Sport seats with leather seating surfaces and sueded microfiber inserts. Also: leather-wrapped instrument panel and suede-wrapped upper trim.

All models feature a fully-wrapped interior, where every surface is covered with premium, soft-touch materials. Available materials, depending on the trim level, include Napa leather, aluminum, carbon fiber and micro-suede. There's even a micro-LED screen for the passenger's climate control placed below the vent on the dash, away from the performance features on the instrument panel.

Additional interior features include:

- Available Performance Data Recorder (included with the navigation system)
- Color driver information center is standard on all trim levels
- Electric-locking glovebox
- Eight-inch-diagonal color touch radio with Chevrolet MyLink is standard on all trim levels; a navigation system is standard on 3LT and available on 1LT and 2LT. Includes behind-screen storage compartment
- Bose® nine-speaker premium audio system is standard on 1LT
- Bose® 10-speaker premium audio system – with bass box – is standard on 2LT and 3LT
- Head-up display with color readouts – including g-meter in track mode – is standard on 2LT and 3LT
- Keyless access with push-button starting is standard on all trim levels
- Rear-vision camera is standard on all trim levels
- Front parking camera is offered on 2LT and 3LT trim levels
- Power tilting/telescoping steering column is standard on all trim levels
- Heated and ventilated seats are standard on 2LT and 3LT
- Leather-wrapped steering wheel is standard on all trim levels; and a sueded microfiber-covered steering wheel is included with suede competition sport seats
- Sueded microfiber-wrapped upper interior trim package is standard on 3LT and includes headliner, visors, trim above windshield and rear window, A-pillar trim and area around quarter window



## Chevrolet Product Information

- Interior colors: Gray, Jet Black, Kalahari, Brownstone and Adrenaline Red.

### **MyLink with smartphone projection technology and OnStar 4G LTE**

New for Corvette Stingray in 2016, Chevrolet's new MyLink system with an 8-inch-diagonal color touchscreen is compatible with Apple CarPlay, which puts iPhone features (iPhone 5 and later) on the display in a smart, simple manner, allowing drivers to make calls, send and receive messages and listen to music right from the touchscreen or by voice via Siri. That helps drivers spend more time with eyes on the road and hands on the wheel.

Using Apple CarPlay is simple. A "Projection" icon on the MyLink screen is visible when a phone is not connected, then changes to indicate CarPlay when a compatible phone is connected via a USB. Compatible apps need to be downloaded to a phone before using and Apple's privacy statement and terms of use apply. Data plan rates may also apply.

Apple CarPlay-supported apps include Phone, Messages, Maps, Music and compatible third-party apps. A full list of those apps can be found at [Apple.com/ios/carplay](http://Apple.com/ios/carplay).

While development and testing is not yet complete, Android Auto compatibility may be available later in the 2016 model year.

OnStar 4G LTE connectivity with Wi-Fi hotspot provides a mobile hub for drivers and passengers to stay connected. The hotspot is on whenever the vehicle is on and it comes with a three-month/three gigabyte data trial, after which the customer can purchase additional data.

4G LTE is the most current and fastest mobile data network – 10 times faster than 3G and 100 times faster than the previous generation of OnStar hardware. And with OnStar, it also offers stronger, broader coverage than smartphones on the same network and it's easy to use: If the vehicle is on, the connection is on.

At the time of purchase, six months of OnStar Guidance includes all of OnStar's advisor-based safety and security features, including Automatic Crash Response and Stolen Vehicle Assistance, as well as turn-by-turn navigation.

Five years of OnStar Basic Plan includes RemoteLink Key Fob Services, allowing owners to remotely start and lock/unlock a car (if properly equipped), and activate the horn and lights from anywhere with a data connection. It also includes OnStar Vehicle Diagnostics which runs monthly checks of a vehicle's engine, transmission, antilock brakes and more, and Dealer Maintenance Notification, which sends diagnostic report directly to a preferred dealer to make service scheduling simple.



## Chevrolet Product Information

### Driver-oriented technologies

At the core of the Corvette Stingray's driver-focused technologies is the cockpit-mounted Driver Mode Selector, which allows drivers to optimize the car for their driving preference and road conditions via five settings: Weather, Eco, Tour, Sport and Track.

The Tour mode is the default setting for everyday driving; Weather mode is designed primarily for added confidence while driving in rain and snow; Eco mode is for achieving optimal fuel economy; Sport mode is for spirited road driving and Track mode is for track use.

Up to 12 performance parameters are adjusted with the selection of each mode, including:

- **Gauge cluster configuration:** The Tour, Eco and Weather modes feature displays for trip data, audio and navigation; Sport mode shows classic, easy-to-read sports car gauges; and Track mode's configuration shows a gauge design based on the Corvette Racing race car display with lap timer
- **ETC (Electronic Throttle Control):** Adjusts the throttle input curve for the selected mode for improved responsiveness
- **Paddle-shift automatic transmission:** Adjusts shift comfort and shift points
- **Active Fuel Management:** in normal mode, the LT1 engine uses V-8 power; in Eco mode the engine can operate in V-4 mode to improve fuel economy until aggressive acceleration is called for
- **Exhaust (active exhaust system):** The system adjusts the timing of the electronically controlled exhaust valves to enhance audible feedback from the V-8 depending on the drive mode
- **Electronic limited-slip differential (Z51):** Adjusts the rate at which the limited slip engages, to balance between steering response and stability in different driving conditions; more aggressive performance in Sport and Track modes
- **Steering:** Assist effort is adjusted in the modes to provide the driver with the correct steering feel for the driving condition
- **Magnetic Ride Control:** Adjusts shock damping based on road conditions, from optimized comfort to performance driving
- **Launch control:** Available in Track mode for manual and automatic transmissions, providing maximum off-the-line acceleration
- **Active handling (StabiliTrak stability control):** A "competitive" setting is available in Track mode and is more suited for on-track conditions. It can also be disabled, giving the driver complete control
- **Traction control:** Weather mode tailors traction control and engine torque for driving in inclement conditions
- **Performance Traction Management:** Available in Track mode and offers five settings of torque reduction and brake intervention for track driving.





## Chevrolet Product Information

Three configurable displays, including a pair of eight-inch screens and color head-up display, deliver personalized information and convey the different performance parameters of each drive mode.

The two eight-inch screens offer excellent visibility in direct sunlight, with 650 cd/m<sup>2</sup> of brightness for the one integrated into the instrument cluster and 1,000 cd/m<sup>2</sup> of brightness for the one in the center stack, making them among the brightest screens in the industry. The screen in the center stack also features touch-screen control with gesture recognition and can be lowered to reveal a hidden storage compartment that includes a USB input for device charging or uploads.

### Performance Data Recorder

The award-winning, industry-first Performance Data Recorder – or PDR – enables users to record high-definition video, with telemetry overlays, of their driving experiences on and off the track. It was developed with Cosworth, the motorsports-engineering company that supplies the Corvette Racing team’s data acquisition and telemetry electronics system.

The PDR system includes three major components, all seamlessly integrated into the Corvette Stingray’s interior. First is a high-definition camera, mounted within the windshield header trim, which records the driver’s point-of-view through the windshield. Audio is recorded via a dedicated microphone in the cabin.

Second is a self-contained telemetry recorder, which uses a dedicated GPS receiver that operates at 5 hertz, or cycles per second – five times faster than the in-dash navigation system, which allows more precise positioning and corner traces. Finally, the system features a dedicated SD-card slot in the glove box for recording and transferring video and vehicle data (SD card not included). Recording time depends on the capacity of the memory card, but an 8-gigabyte card can record approximately 200 minutes, while a 32-GB card stores up to about 800 minutes – more than 13 hours of driving time.

The PDR system can record video with three data overlay options, each rendered in real time:

- **Track Mode** – shows the maximum level of data on the screen, including speed, rpm, g-force, a location-based map, lap time and more
- **Sport Mode** – shows fewer details on the overlay but includes key data including speed and g-force
- **Touring Mode** – simply records and displays video and audio of the drive with no data overlay
- **Performance Mode** – records performance metrics, such as 0 to 60 mph acceleration, 1/4-mile speed and elapsed time, and 0-100-0 mph runs.



## Chevrolet Product Information

The video can be viewed on the Corvette Stingray's 8-inch color touchscreen when the car is parked, or downloaded to a computer for further editing, and for sharing video via social media sites. For users who want a more in-depth understanding of their performance, the PDR vehicle data can be opened in the included "Cosworth Toolbox" software, which combines Cosworth's professional-level motorsport data analysis with an easy-to-use graphic interface.

### **Engineering details**

Corvette Stingray coupe and convertible take advantage of lightweight materials, advanced manufacturing techniques and technology transfer from the Corvette Racing program to produce an ideal 50/50 weight balance and to deliver world-class power-to-weight ratios.

The technologically advanced foundation is an aluminum frame structure so strong, no structural reinforcements are needed for the convertible model. The only changes are limited to accommodations for the folding top and repositioned safety belt mounts.

The frame features main rails composed of five customized aluminum segments, including aluminum extrusions at each end, a center main rail section and hollow-cast nodes at the suspension interface points. Each segment's gauge varies in thickness from 2mm to 11mm, tailored – along with the shape – to optimize the strength requirements for each frame section with minimal weight.

The aluminum frame is manufactured using innovative manufacturing processes at GM's Bowling Green, Ky., assembly plant. The state-of-the-art facility employs several advanced joining technologies to ensure dimensional accuracy within 0.75 mm. Each frame features:

- 439 spot-welds using a GM-patented process that uses a unique electrode designed specifically for aluminum
- 188 Flowdrill-machined fasteners, which are installed by a high-speed drill that extrudes the frame material to create a strong, integral collar that is tapped for bolt-on fasteners
- 113 feet of structural adhesives, used in conjunction with welding and fasteners to increase overall frame stiffness
- 37 feet of laser welds, which join frame sections via a precise beam of high energy that minimizes heat beyond the weld area for improved structural accuracy.



## Chevrolet Product Information

The frame's strength and low weight are complemented by chassis elements also designed for low-mass strength, including hollow-cast aluminum front and rear cradles. Innovative use of materials also includes a standard carbon fiber hood on all Corvette Stingray models, and a carbon fiber roof panel on all coupes. In addition, underbody panels are created with carbon-nano composite technology, an advanced blend of traditional composite material and carbon fiber for reduced weight and improved strength. Fenders, doors, rear quarter panels and the rear hatch panel are made with light-density Sheet Molding Compound.

### **Performance and efficiency**

The Corvette Stingray's 455 horses are generated by the LT1 6.2L Small Block V-8 engine, which also produces 460 lb-ft of torque (624 Nm). Its performance comes from combining advanced technologies such as direct injection, Active Fuel Management (cylinder deactivation) and continuously variable valve timing with an advanced combustion system. Z51-equipped models include a dry-sump oiling system.

The LT1 is backed by a choice of active, 2.75-inch-diameter exhaust systems. The standard system features a pair of butterfly valves that contribute to greater refinement at cruising speeds when the engine is operating in fuel-saving V-4 mode. The available performance variable-mode active exhaust system has two additional valves that open to a lower-restriction path through the mufflers. When open, these valves increase engine performance and produce a more powerful exhaust note – while also raising the engine's output to 460 horsepower (343 kW) and 465 lb-ft of torque (630 Nm).

The LT1 is offered with an all-new seven-speed manual transmission with Active Rev Matching. It incorporates rev-matching technology for upshifts and downshifts. This driver-selectable feature can be easily engaged or disengaged via paddles on the steering wheel. The seven-speed is used with a new dual-mass flywheel and dual-disc clutch, which deliver greater shift quality and feel through lower inertia. The transmission with the Z51 Performance Package includes specific close-ratio gearing for more aggressive driving.

An available eight-speed paddle-shift automatic transmission, designed and built by GM, delivers world-class shift times that rival the best dual-clutch designs. Its availability makes Corvette Stingray one of the few sports cars to offer a conventional manual transmission and an eight-speed automatic.

### **Driving experience**

The Corvette Stingray's chassis and suspension are designed to take advantage of the lighter, stiffer structure. Its rigidity allowed engineers to more precisely tune the suspension and steering for a more nimble and responsive driving experience. The components and their calibrations – from the brake size and damper rates to the steering system – are identical between coupes and convertible.



## Chevrolet Product Information

A racing-proven short/long-arm suspension design is used front and rear, with lightweight complementing components that include hollow lower control arms and aluminum rear toe links.

The Corvette Stingray rides on 18 x 8.5-inch front and 19 x 10-inch rear wheels, while models with the Z51 Performance Package roll on 19 x 8.5-inch front and 20 x 10-inch rear forged aluminum wheels – all shod with Michelin Pilot Super Sport run-flat tires developed specifically for the seventh-generation Corvette. As a result, the Corvette Stingray with the Z51 Performance Package is capable of 1.03g in cornering acceleration.

Additional suspension features:

**Dampers** – includes standard 35mm-piston Bilstein monotube shocks that connect to dual-path aluminum shock mounts that separate the shock rod and shock body load paths. The Z51 Performance Package comes with 45mm-piston Bilstein dampers for more aggressive body control and track capability. Z51 is available with the third-generation Magnetic Ride Control, which features a twin-wire/dual-coil damper system that reacts 40 percent faster than previous generations, enabling improved ride comfort and body control.

Magnetic Ride Control is also available on non-Z51 Stingray models (requires 19-/20-inch wheels).

**Steering** – Electric power steering offers variable ratios and variable effort to tailor responsiveness and feel for each driving situation. It also delivers precise control and feedback to the driver, along with great variability of effort for high-performance driving, as well as excellent on-center sensitivity and linearity.

**Axle** – A smart electronic limited-slip differential (eLSD) is included in the Z51 Performance Package and continuously makes the most of the torque split between the rear wheels. The system features a hydraulically actuated clutch that can infinitely vary clutch engagement and can respond from open to full engagement in tenths of a second. It shifts torque based on a unique algorithm that factors in vehicle speed, steering input and throttle position to improve steering feel, handling balance and traction.



## Chevrolet Product Information

The eLSD is fully integrated with Electronic Stability Control and Performance Traction Management systems. Its calibrations vary among three modes, based on the Drive Mode Selector setting:

- Mode 1 is the default setting for normal driving and emphasizes vehicle stability
- Mode 2 is engaged when electronic stability control is turned off in the Sport or Track modes. This calibration enables more nimble turn-in and traction while accelerating out of a corner
- Mode 3 is automatically selected when Performance Traction Management is engaged. This calibration has the same function as Mode 2, but is fine-tuned to work with Performance Traction Management.

**Brakes** – Standard Brembo brakes, with four-piston fixed calipers derived from racing, deliver exceptional stopping power on the street or track. System highlights include:

- 12.6-inch (320 mm) front rotors and 13.3-inch (338 mm) rear rotors are standard and have 35-percent more swept area than previous-generation brakes. Consequently, stopping distance is improved 9 percent
- Dual-cast, slotted 13.6-inch (345 mm) front rotors and 13.3-inch (338 mm) slotted rear rotors are included with Z51 Performance Package. They have 6-percent more swept area than the previous-generation Grand Sport and are cooled front and rear for improved track capability. Consequently, stopping distance is improved 5 percent
- All brake packages have fixed four-piston front and rear calipers that are stiffer for more even pad wear, reduced drag and improved modulation.

The Corvette Stingray is built at GM's Bowling Green, Ky., assembly plant.

# # #

**CONTACT:**

Monte Doran  
Chevrolet Communications  
(313) 348-2317  
[monte.doran@chevrolet.com](mailto:monte.doran@chevrolet.com)



# Chevrolet Product Information

## 2016 CHEVROLET CORVETTE STINGRAY SPECIFICATIONS

### Overview

Model:	Chevrolet Corvette Stingray coupe and convertible
Body styles / driveline:	2-door hatchback coupe with removable roof panel or 2-door convertible; rear-wheel drive
Construction:	composite and carbon-fiber body panels, hydroformed aluminum frame with aluminum and magnesium structural and chassis components
Manufacturing location:	Bowling Green, Ky.

### Engine

	<b>LT1 6.2L V-8</b>
Displacement (cu in / cc):	376 / 6162
Bore & stroke (in / mm):	4.06 x 3.62 / 103.25 x 92
Block material:	cast aluminum
Cylinder head material:	cast aluminum
Valvetrain:	overhead valve, two valves per cylinder
Fuel delivery:	direct injection
Lubrication system:	wet sump (Stingray) dry sump (Stingray with Z51)
Compression ratio:	11.5:1
Horsepower (hp / kW @ rpm):	455 / 339 @ 6000 (SAE-certified) 460 / 343 (with available performance exhaust)
Torque (lb-ft / Nm @ rpm):	460 / 624 @ 4600 (SAE-certified) 465 / 630 (with available performance exhaust)
Max. engine speed (rpm):	6,600
Recommended fuel:	premium recommended, not required
EPA-estimated fuel economy (city / hwy):	17 / 29 (manual) 16 / 29 (automatic)

### Transmissions

Type:	seven-speed manual with Active Rev Match	seven-speed manual with Active Rev Match w/Z51	eight-speed paddle-shift automatic
Gear ratios (:1)			
First:	2.66	2.97	4.56
Second:	1.78	2.07	2.97
Third:	1.30	1.43	2.08
Fourth:	1.00	1.00	1.69
Fifth:	0.74	0.71	1.27
Sixth:	0.50	0.57	1.00
Seventh:	0.42	0.48	0.85
Eighth:	N/A	N/A	0.65
Reverse:	2.90	2.90	3.82
Final drive ratio:	3.42	3.42	2.41 std. 2.73 w/ Z51



## Chevrolet Product Information

### Chassis / Suspension

Front:	short/long arm (SLA) double wishbone, cast aluminum upper and lower control arms, transverse-mounted composite spring, monotube shock absorber
Rear:	short/long arm (SLA) double wishbone, cast aluminum upper and lower control arms, transverse-mounted composite spring, monotube shock absorber
Active handling:	Magnetic Selective Ride Control (avail.)
Traction control:	StabiliTrak electronic stability control
Steering type:	variable-ratio rack-and-pinion with electric power assist
Steering gear ratio:	12.0 to 16.4
Turns lock to lock	2.53
Turning circle, curb to curb (ft / m):	37.7 / 11.5

### Brakes

Type:	front and rear power-assisted discs with four-piston fixed front and rear calipers (slotted rotors with Z51)
Rotor diameter (in / mm):	front: 12.6 / 320 (13.6 / 345 with Z51) rear: 13.3 / 338
Rotor thickness (in / mm):	front: 1.18 / 30 (including Z51) rear: 0.90 / 23

### Wheels / Tires

Wheel size:	front: 18-inch x 8.5-inch rear: 19-inch x 10-inch front: 19-inch x 8.5-inch (with Z51) rear: 20-inch x 10-inch (with Z51)
Tires:	Michelin Pilot Super Sport run-flat front: P245/40R18 rear: P285/35R19 front: P245/35R19(with Z51) rear: P285/30R20(with Z51)

### Dimensions

#### Exterior

Wheelbase (in / mm):	106.7 / 2710
Overall length (in / mm):	176.9 / 4493
Overall width (in / mm):	73.9 / 1877
Overall height (in / mm):	48.6 / 1235 (coupe) 48.6 / 1235 (convertible)
Track (in / mm):	63 / 1600 (front) 61.7 / 1567 (rear)
Curb weight (lb / kg):	3298 / 1499 (coupe) 3362 / 1529 (convertible)
Weight distribution (% front / rear):	50 / 50

#### Interior

Seating capacity	2
Headroom (in / mm):	38 / 962
Leg room (in / mm):	43 / 1092
Shoulder room (in / mm):	55 / 1397
Hip room (in / mm):	54 / 1371



## Chevrolet Product Information

### Capacities

Interior volume (cu ft / L):	52 / 1475
Cargo volume (cu ft / L):	Coupe: 15 / 425 Convertible: 10 / 283
Fuel capacity (gal / L):	18.5 / 70
Engine oil (qt / L):	7 / 6.6 9.75 / 9.2 (with Z51)
Engine cooling system (qt / L):	11.3 / 10.7

Note: Information shown is current at time of publication. Please visit <http://media.gm.com> for updates.