

For immediate release

CHEVROLET CORVETTE Z06

New for 2013

- 60th Anniversary Design Package
- Available black-painted spider-design aluminum wheels
- ZR1-style rear spoiler is available
- Exterior colors: return of Black and new Night Race Blue Metallic

2013 CHEVROLET CORVETTE Z06 AVAILABLE WITH 60TH ANNIVERSARY DESIGN PACKAGE

Corvette Z06 races into 2013 with an available 60th Anniversary Design Package to commemorate the Corvette's six-decade milestone. It is also the final year for the current "C6" generation of the car.

The Corvette Z06 is a dual-purpose sports car equally adept at daily driving or weekend excursions on the track. Its racing-inspired powertrain and suspension features, along with an aluminum frame and carbon fiber fenders and floor panels, contribute to a curb weight of only 3,199 pounds / 1,451 kg (dry weight of 3,041 pounds / 1,379 kg), making it the lightest, best-balanced Corvette model and one of the most svelte supercars on the market.

The 505-horsepower (377 kW) LS7 engine powers the lightweight Z06, helping deliver 0-60 performance of 3.7 seconds in first gear, quarter-mile times of 11.7 seconds at 125 mph and a top speed of 198 mph. It is assembled by hand at GM's Performance Build Center, where customers who purchase the Z06 can also purchase the Corvette Build Experience option and assemble the engine that will power their new car.

On-track capability for the Z06 is maximized with the available Z07 performance package, highlighted by Michelin® Pilot® Sport Cup Zero Pressure tires wrapped around lightweight cup-style wheels. When combined with Performance Traction Management (PTM) technology – which manages torque delivery for maximum performance – the tires enable up to an 8-percent gain in maximum lateral acceleration, to 1.13g, and improved braking distance.

The CFZ-code Carbon Fiber Package gives the Z06 lightweight aero enhancements similar to those found on the ZR1. Included in the optional package is a black-painted carbon fiber front splitter, rockers, roof panel and a body-color full-width rear spoiler. A raised-center carbon fiber hood is available, as well.

Corvette Z06 is offered in 1LZ, 2LZ and 3LZ trim packages. The 60th Anniversary Design Package is available with the 3LZ trim and the content includes:

- Arctic White exterior
- Twilight Blue custom leather-wrapped interior with blue accent stitching
- Embossed and embroidered 60th Anniversary logos and a special steering wheel badge

- Suede accents on the steering wheel, shifter, parking brake handle, armrests and door panels
- Special wheel center caps with the 60th Anniversary logo
- Gray-painted brake calipers
- Available Silver Blue Pearl stripe graphics.

Also new for 2013 are optional black-painted spider-style aluminum wheels and a pair of new exterior colors: Black and Night Race Blue Metallic. A ZR1-style full-width rear spoiler is available for models without the Z07 performance package, which already includes a full-width racing spoiler.

All 2013 Corvettes feature 60th Anniversary badges on the fascias, as well as 60th logos in the instrument panel gauge cluster and on the sill plates.

Corvette Z06 design and exterior features

The Corvette Z06 has an aggressive design, with a wide-body and hunkered-down stance that is as functional as it is attractive. A fixed-roof body style optimizes body rigidity and mass.

A wide front fascia with a large, forward-facing grille opening, a splitter along the bottom and wheel opening extensions along the sides provide aerodynamic downforce, while a cold-air scoop in front of the hood integrates an air inlet system for the engine. The trailing edge of the front wheel opening is radiused to achieve improved drag, but protects the body finish with a tough molding, and a large air extractor is behind the wheel. At the rear, wide flared fenders cover the massive rear tires and a brake cooling scoop in front of the wheels visually balances the fender extractor.

The aerodynamics of the Z06's exterior were shaped by the experiences of the Corvette racing program, where high-speed stability and cornering capability are paramount. While the race cars use large rear wings, the Z06's elevated spoiler provides sufficient downforce to balance the road-worthy front splitter without adversely affecting aerodynamic drag.

Additional exterior features include:

- Ten-spoke spider-design wheels (18-inch front; 19-inch rear), including new black spider-design wheels for 2013
- Machined Cup wheels with gray pockets are available with Magnetic Ride Control
- Four large stainless steel exhaust outlets
- Z06 badging on the carbon-fiber front fenders
- Contrasting headlamp housing colors are available in Blade Silver Metallic, Cyber Gray Metallic and Black
- Standard high-intensity discharge headlamps
- Customer-selectable brake caliper colors offered in yellow, silver and gray. Red calipers are standard.

Exterior colors include Arctic White, Blade Silver Metallic, Inferno Orange Metallic, Velocity Yellow Tintcoat, Torch Red , Supersonic Blue Metallic, Cyber Gray, Crystal Red Tintcoat, Black and Night Race Blue Metallic.

Corvette Z06 interior

Corvette's interior is inspired by the car's dual-cockpit heritage. Seats that were introduced in 2012 deliver improved appearance and larger bolsters on the seat back and cushion areas to provide better driver support, especially in high-performance driving. Microfiber seat inserts are included with the leather-wrapped interior (3LZ).

Additional features include:

- Sport steering wheel with leather-wrapped spokes and audio controls
- Standard head-up display, including Track Mode with g-meter
- An AM/FM/XM radio with CD player and audio input jack is standard
- A Bose Premium audio system includes nine speakers, with tweeters located in the instrument panel, and Bose Nd next-generation bass performance is standard on 2LZ and 3LZ
- An onboard navigation system with voice recognition is included with 2LZ and 3LZ. It features a 6.5-inch (165 mm) color touch-screen display.

A custom leather-wrapped interior package is standard on the 3LZ trim, featuring a leather-wrapped upper and lower instrument panel, door pads and seats; choice of exclusive colors: Dark Titanium, Ebony or Cashmere, with unique color breakup; padded door panel armrests; "Corvette" embroidered on passenger-side dash pad and a unique center trim plate with a gunmetal pattern.

Corvette Z06 performance

Corvette Z06 is propelled by the LS7 7.0L (427 cubic inches) engine that delivers 505 horsepower (377 kW). Unique features include a racing-style dry-sump oiling system that helps ensure adequate oil pressure during high-load cornering. The engine also features a durable forged-steel crankshaft, titanium connecting rods, racing-derived high-flow cylinder heads with titanium intake valves and lightweight four-into-one headers.

The high-flow exhaust headers discharge into close-coupled catalytic converters and through two-mode mufflers. The mufflers each feature a vacuum-actuated outlet valve, which controls exhaust noise during low-load operation but opens for maximum power.

At the rear of the LS7 engine, a single-mass flywheel and lightweight, high-capacity clutch channel torque to the rear transaxle. The six-speed manual six-speed is strengthened to handle the LS7's substantial torque load. It also incorporates a pump that sends transmission fluid to the front radiator for cooling. Upon its return, the fluid removes additional heat from the differential coolant before returning to the transmission.

The six-speed transmission connects to a limited-slip differential, with enlarged ring and pinion gears. Stronger axle half-shafts with tougher universal joints transmit power to the rear wheels.

Corvette Z06 chassis and suspension

The Z06 has an aluminum body structure for optimal stiffness and lower mass for the fixed-roof body style. Perimeter rails are one-piece hydroformed aluminum members featuring cast suspension nodes, which replace many welded steel components on other Corvette models. Advanced structural composites featuring carbon-fiber are bonded to the aluminum structure. The wider front wheelhouses, for example, are carbon composites, and the passenger compartment floors combine carbon-fiber skins with an ultra-lightweight balsa wood core.

The Z06 has a magnesium cradle that serves as the attachment point for the engine and some front suspension components. Magnesium is lighter than aluminum, yet incredibly strong. The magnesium cradle helps improve the front-to-rear weight distribution, as do carbon-fiber front fenders and wheelhouses. The battery is housed in the rear cargo area, behind one of the rear wheels, again for optimal weigh balance.

The Z06 retains the 105.7-inch (2,686-mm) wheelbase of other Corvette models, as well as the short-long arm suspension and transverse spring design, but it rides on specific wheels, tires and brakes, as well as its own rear spring and roll stabilizer. It's a firmer suspension that works harmoniously with large 18 x 9.5-inch cast-spun aluminum wheels and 275/35ZR18 tires in the front, and 19 x 12-inch cast-spun aluminum wheels with 325/30ZR19 tires in the rear. Goodyear F1 Supercar Gen 2 tires are standard.

Complementing the suspension system and large rolling stock is an equally capable four-wheel disc brake system, consisting of 14-inch (355 mm) vented and cross-drilled front rotors and 13.4-inch (340 mm) vented and cross-drilled rear rotors.

The front rotors are acted upon by large, red six-piston calipers that use six individual brake pads. Individual brake pads are used because they deliver more equalized wear compared to what would otherwise be a pair of very long single-piece pads. The rear brakes use four-piston calipers with four individual brake pads. A four-channel ABS system is standard, as is a very competent active handling system – complete with a Competitive Driving mode.

Z07 Performance Package content

The Z07 Performance Package features Michelin® Pilot® Sport Cup Zero Pressure tires, developed by the same Michelin engineers who developed tires for Corvette Racing in the American Le Mans Series and are essentially street-legal versions of a racing tire. The 285/30-19 (front) and 335/25-20 (rear) tires are matched with aluminum cup-style wheels. They are about five pounds lighter (2.2 kg) and stronger than the 20-spoke ZR1-style wheel.

The package also includes:

- A full-width racing style spoiler for reduced aerodynamic lift
- Enhanced cooling
- Magnetic Selective Ride Control with Performance Traction Management
- Brembo carbon ceramic brakes.

Corvette safety and crash-avoidance features

The Corvette is designed to help drivers avoid crashes, while protecting the occupants in the event a crash occurs. A strong body structure is designed to absorb crash energy and provide a protective “safety cage” around occupants.

Additional safety features include:

- Four standard air bags include side-impact air bags, which provide head protection for outboard passengers in the event of a side-impact or rollover crash
- Active Handling electronic stability control system helps reduce the risk of rollover crashes by keeping the vehicle in the driver’s intended path by applying throttle, braking or a combination of both
- Standard four-wheel-disc brake system with anti-lock
- Pretensioners are standard. They minimize forward movement during a collision, while load-limiting retractors cinch the belt more tightly
- Tire pressure monitoring system and run-flat tires are standard
- Standard keyless access with push-button starting.

Corvette Z06 and OnStar

Six months of OnStar Directions and Connections service is standard on Corvette Z06. OnStar is the global leading provider of connected safety, security and mobility solutions and advanced information technology.

OnStar’s RemoteLink Mobile App allows smartphone users to control vehicle functions, access vehicle information and send directions directly to the vehicle. A new, opt-in service called FamilyLink allows subscribers to stay connected to loved ones by checking the location of their vehicle online or by signing up for vehicle location alerts.

Corvette Z06 also features new OnStar button icons. Drivers will notice an updated look for the Hands-Free Calling button, blue OnStar button and red Emergency button.

More information about OnStar can be found at www.onstar.com.

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2013 CHEVROLET COREVETTE Z06 SPECIFICATIONS

Overview

Model:	Chevrolet Corvette Z06
Body styles / driveline:	two-door hatchback coupe with fixed roof; 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

	7.0L V-8 (LS7)
Displacement (cu in / cc):	427 / 7008
Bore & stroke (in / mm):	4.125 x 4 / 104.8 x 101.6
Block material:	cast aluminum
Cylinder head material:	cast aluminum
Valvetrain:	overhead valve, two valves per cylinder
Fuel delivery:	SFI (sequential fuel injection)
Compression ratio:	11.0:1
Horsepower (hp / kW @ rpm):	505 / 377 @ 6300 (SAE certified)
Torque (lb-ft / Nm @ rpm):	470 / 637 @ 4800 (SAE certified)
Recommended fuel:	premium required
EPA-est. fuel economy (city / hwy):	15 / 24

Transmission

	six-speed manual
Gear ratios (:1):	
First:	2.66
Second:	1.78
Third:	1.30
Fourth:	1.00
Fifth:	0.74
Sixth:	0.50
Reverse:	2.90
Final drive ratio:	3.42

Chassis / Suspension

Front:	short/long arm (SLA) double wishbone, cast aluminum upper and lower control arms, transverse-mounted composite leaf spring, monotube shock absorber; Magnetic Ride Control w/ Z07 pkg.
Rear:	short/long arm (SLA) double wishbone, cast aluminum upper and lower control arms, transverse-mounted composite leaf spring, monotube shock absorber; Magnetic Ride Control w/ Z07 pkg.
Traction control:	electronic traction control; Active Handling

Brakes

Type:	front and rear power-assisted disc with ABS with six-piston front and four-piston rear calipers, cross-drilled rotors; ceramic rotors w/ Z07 pkg.
Rotor diameter x thickness (in / mm):	front: 14 x 1.3 / 355 x 32 rear: 13.4 x 1 / 340 x 26
Brake swept area (sq in / mm):	front: 309 / 1994 rear: 269 / 1735

Wheels & Tires

Wheel size:	front: 18-inch x 9.5-inch (std); 19-inch x 10-inch (w/ F55 Magnetic Ride Control) rear: 19-inch x 12-inch (std); 20-inch x 12-inch (w/ F55 Magnetic Ride Control)
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	Control)
Tires:	front: 275/35ZR18 (std.); 285/30ZR19 (w/ F55 pkg.) rear: 325/30ZR19 (std.); 335/25ZR20 (w/ F55 pkg.)

Dimensions

Exterior

Wheelbase (in / mm):	105.7 / 2685
Overall length (in / mm):	175.6 / 4460
Overall width (in / mm):	75.9 / 1928
Overall height (in / mm):	48.7 / 1236
Curb weight (lb / kg):	3199 / 1451
Weight distribution (% front / rear):	50 / 50

Interior

Seating capacity	2
Interior volume (cu ft / L):	52 / 1475
Headroom (in / mm):	38 / 962
Legroom (in / mm):	43 / 1092
Shoulder room (in / mm):	55 / 1397
Hip room (in / mm):	54 / 1371

Capacities

Cargo volume (cu ft / L):	22 / 634
Fuel tank (gal / L):	18 / 68.1
Engine oil (qt / L):	10.5 / 9.9

Note: Information shown is current at time of publication.