

Chevrolet Corvette Z06: New for 2012

- Chevrolet Centennial Edition, featuring Carbon Flash Metallic paint, satin-black graphics, satin-black Cup wheels with red stripe, unique badges, special-trimmed interior with red stitching and Magnetic Selective Ride Control
- New and revised content for the available Z07 performance package for the Z06, including new Michelin® Pilot® Sport Cup Zero Pressure tires, lighter-weight Cup wheels, Magnetic Selective Ride Control and full-width rear spoiler
- Available Magnetic Selective Ride Control with Cup wheels, Michelin PS2 tires and Performance Traction Management
- Available carbon fiber hood
- New seat design with optional microfiber inserts
- New steering wheel with model-specific badges, streamlined switch trim and wrapped spokes
- Padded center console and armrests standard on all trim levels
- Contrast color stitching in red, blue and yellow offered with the custom leather-wrapped interior
- New Bose Premium audio system with nine speakers available
- New customer-selectable brake caliper colors offered in yellow, silver and gray (red calipers are standard)
- New Carlisle Blue Metallic and Carbon Flash Metallic exterior colors

2012 Chevrolet Corvette Z06: Highlights

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), making it the lightest, best-balanced Corvette model and one of the most svelte supercars on the market.

Z06 capability is enhanced for 2012, with upgrades and new features for the available Z07 performance package, highlighted by new Michelin® Pilot® Sport Cup Zero Pressure tires. When combined with new-for-2012 Performance Traction Management (PTM) technology – which manages torque delivery for maximum performance – the tires are expected to help set new benchmarks for Corvette performance. Engineers estimate an 8-percent gain in maximum lateral acceleration, to more than 1.1g, and improved braking distance.

The enhanced Z07 package's effectiveness was demonstrated with a new lap time of 7:22.7 around Germany's legendary Nürburgring, making it one of the fastest production cars to circle the famous track.

Corvette Z06 also celebrates Chevrolet's performance heritage with the 2012 Chevrolet Centennial Edition Corvette, which features a sleek black color scheme, unique design elements and Corvette's sports car technology. The special package is inspired by Chevrolet's racing-bred foundation and is offered on all Corvette models for 2012.

Corvette Z06 for 2012 includes interior improvements shared with all Corvette models, including new seats, a new steering wheel design and a new Bose Premium audio system.

Customers who opt for the Corvette Engine Build Experience (option code PBC) can participate in the assembly of their engine at the General Motors Performance Build Center in Wixom, Mich.

Corvette Z06 design

- **Fixed-roof body** style optimizes body rigidity and mass; offered in three trim levels – 1LZ, 2LZ and 3LZ.
- **Wide front fascia** with a large, forward-facing grille opening, a splitter along the bottom and wheel opening extensions along the sides to provide aerodynamic downforce.
- **Cold-air scoop** in front of the hood that integrates an air inlet system for the engine.
- **Wide carbon fiber front fenders and carbon fiber floor panels.**
- **Available carbon fiber hood.**
- **Available “CFZ” carbon fiber package**, with carbon fiber roof, rocker extensions, front splitter and ZR1-style rear spoiler.
- **Wide rear fenders with flares** cover the massive rear tires and a brake cooling scoop in front of the wheels visually balances the fender extractor.
- **Tall rear spoiler** houses the CHMSL on the top of the rear fascia.
- **Ten-spoke spider-design wheels** (18-inch front; 19-inch rear).
- **Four large stainless steel exhaust outlets.**
- Z06 badging on the **carbon-fiber front fenders.**
- **Standard high-intensity discharge headlamps.**
- **Two new exterior colors for 2012:** Carlisle Blue Metallic and Carbon Flash Metallic (Chevrolet Centennial edition only). Also offered are Arctic White, Blade Silver Metallic, Inferno Orange Metallic, Velocity Yellow Tintcoat, Torch Red , Supersonic Blue Metallic, Cyber Gray and Crystal Red Tintcoat
- **New customer-selectable brake caliper colors** offered in yellow, silver and gray. Red calipers are standard.

Chevrolet Centennial Edition Special Edition

- **Offered exclusively in Carbon Flash Metallic** with satin-black graphics.
- **Special badges that signify Chevrolet’s racing history**, including a graphic logo featuring an image of Louis Chevrolet on the B-pillars, the wheel center caps and the center of the steering wheel.
- **The historic Corvette crossed flags badge contains a small adaptation**, with “100” in place of the traditional fleur-de-lis symbol in black, only for the Centennial Edition.
- **Unique Centennial Satin Black wheels with red stripe**, sized specifically to the respective Corvette models, including 19-inch/20-inch for Z06.
- **Magnetic Selective Ride Control** is standard.
- **Ebony leather-wrapped instrument panel and doors** complemented by red stitching, also on the steering wheel, seats, console and shifter.

- **The seats feature microfiber suede accents** on seats, steering wheel, shifter and armrests, which were first used on the 2011 Z06 Carbon Limited Edition.
- **Seat headrests carry an embossed centennial logo.**
- **Available on all Corvette models via order code ZLC.**

Corvette Z06 interior

- Corvette's interior is inspired by the car's **dual-cockpit heritage**.
- **New seats feature 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).
- **New steering wheel** with model-specific badges, streamlined switch trim and wrapped spokes.
- **An AM/FM/XM radio with CD player and audio input jack is standard.**
- **New, optional Bose Premium audio system** includes nine speakers (vs. seven in 2011), including new tweeters located in the instrument panel and improve Bose Nd next-generation bass performance.
- **Steering-wheel mounted audio controls** are on all models.
- **SiriusXM Satellite Radio** with a one-year subscription is included with the Bose audio system.
- **An onboard navigation system** with voice recognition is included with 2LZ and 3LZ models. It is a DVD-based system that uses a 6.5-inch (165 mm) color touch-screen display.
- **Head-up display** is available on 2LZ and 3LZ models and includes Track Mode with g-meter.
- **Gauge cluster displays the Z06 logo on a 7,000-rpm tachometer** and includes a readout on the oil pressure instrument to reflect the higher standard pressure of the Z06's dry-sump oiling system.
- **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

- **LS7 7.0L** (427 cubic inches) engine rated at 505 horsepower (377 kW).
- **Forged steel crankshaft.**
- **Racing-derived high-flow cylinder heads with lightweight titanium intake valves.**
- **Titanium connecting rods.**
- **Racing-style dry-sump oiling system** that ensures adequate oil pressure during high-load cornering.
- **The LS7 is hand-assembled** at GM's Performance Build Center in Wixom, Mich., and incorporates special processes typically seen in racing engines to produce a highly refined and precise product.

- **Lightweight, four-into-one exhaust headers** discharge into close-coupled catalytic converters.
- **Two-mode mufflers** that feature a vacuum-actuated outlet valves, which control exhaust noise during low-load operation but open for maximum power.
- **Six-speed manual transmission** – automatic not available – that is strengthened for the LS7's torque and incorporates a pump that sends transmission fluid to the front radiator for cooling. Upon its return, the fluid removes additional heat from the differential lube before returning to the transmission.
- **A single-mass flywheel and lightweight, high-capacity clutch** channel torque to the rear transaxle.
- **Limited-slip differential**, with enlarged ring and pinion gears.
- **Stronger axle half-shafts** with stronger universal joints transmit power to the rear wheels.
- **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.

Corvette Z06 chassis and suspension

- **An aluminum body structure** for optimum stiffness and light weight 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.
- **A magnesium cradle** that serves as the attachment point for the engine and some front suspension components. It is lighter than aluminum, yet incredibly strong, and helps improve the front-to-rear weight distribution, as do carbon-fiber front fenders and wheelhouses.
- **Battery relocated** from underhood to a position in the rear cargo area, behind one of the rear wheels.
- **Z06-specific wheels, tires and brakes**, as well as rear spring and roll stabilizer.
- **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.
- **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.
- **Red-painted six-piston front 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.
- **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

- **New Michelin® Pilot® Sport Cup Zero Pressure tires**, developed by the same Michelin engineers who develop tires for Corvette Racing in the American Le Mans Series. They are essentially street-legal versions of a racing tire.
- The 285/30-19 (front) and 335/25-20 (rear) tires are matched with **all-new aluminum Cup-style wheels in satin black or machined finishes**. They are about five pounds lighter (2.2 kg) and stronger than the ZR1 20-spoke wheel offered in 2011.
- **A new, full-width racing style spoiler** for improved aerodynamics.
- **Enhanced cooling.**
- **Magnetic Selective Ride Control.**
- **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.

- **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**
- **Pretensioners minimize forward movement** during a collision, and are standard on the front safety belts. Load-limiting retractors cinch the belt more tightly.
- **Tire pressure monitoring system and run-flat tires** are standard on all models.
- **Standard remote keyless access with push-button starting.**
- **Strong body structure to absorb crash energy** and provide a protective "safety cage" around occupants.

OnStar details

Corvette Z06 is offered with OnStar as standard on all models. It uses GPS and cellular phone technology to automatically call for help in the event of crash. OnStar subscribers also can use the service to be Good Samaritans by sending help to other motorists, and to call for help in other non-crash emergencies.

- **OnStar is the leading provider** of in-vehicle safety, security and information services in the United States and Canada.
- **Six months of complimentary OnStar Directions and Connections** service with Turn-by-Turn Navigation for easier route guidance on all Corvette models. The feature is easy to use because all **directions are sent to the car by an advisor, without the need to stop.**
- **Stolen Vehicle Assistance** helps police track the vehicle in the event of a theft.

###

For immediate release

2012 CHEVROLET COREVETTE Z06 SPECIFICATIONS

Overview	
Models:	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.

Engines	7.0L V-8 LS7 (Z06)
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*
Torque (lb-ft / Nm @ rpm):	470 / 637 @ 4800*
Recommended fuel:	premium required
EPA estimated fuel economy (city / hwy):	15 / 24 (manual)

Transmission	six-speed manual
Application:	std.
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/ Z07 pkg.) rear: 19-inch x 12-inch (std); 20-inch x 12-inch (w/ Z07 pkg.)
Tires:	front: 275/35ZR18 (std.); 285/30ZR19 (w/ Z07 pkg.) rear: 325/30ZR19 (std.); 335/25ZR20 (w/ Z07 pkg.)

Dimensions	
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 (Z06)
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

* SAE certified.

Note: Information shown is current at time of publication.