

Complete Specifications

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EXTERIOR

X = Standard. O = Optional. – = Not available.

	Coupe	Conv.	Z06
Appearance:			
– Clearcoat paint	X	X	X
– Corrosion-proof body panels	X	X	X
– Front license plate frame	O	O	O
Body moldings:			
– Body-side moldings	O	O	O
Headlamps:			
– Retractable halogen headlamps	X	X	X
Lamps:			
– Daytime Running Lamps	X	X	X
– Dual halogen foglamps	X	X	–
Mirrors, side:			
– Dual, electric, remote-control, heated sport mirrors	X	X	X
Top:			
– Manual convertible top with heated, glass rear window	–	X	–
– One-piece removable roof panel	X	–	–
– Transparent removable roof panel	O	–	–
– Roof package with transparent and solid roof panels	O	–	–
Windshield:			
– Solar-Ray tinted, flush-mounted glass	X	X	X
Wipers:			
– Intermittent windshield wipers	X	X	X

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INTERIOR

X = Standard. O = Optional. – = Not available.

	Coupe	Conv.	Z06
Air bags: – Air bags (driver and passenger) with passenger-side on/off switch(1)	X	X	X
Air conditioner: – Air conditioning – Air conditioning (dual-zone with electronic control)	X X	X X	X X
Cargo: – Parcel net	X	X	–
Cargo shade: – Luggage shade	X	–	–
Console: – Console, lockable, storage with integral cup holder	X	X	X
Convenience: – Memory Package (remembers presets for outside mirrors, radio, heater, defroster, air conditioning, power driver seat and, if so equipped, power telescoping steering column) – Twilight Sentinel	O(2) O	O(2) O	O(3) –
Cruise: – Cruise control	X	X	X
Defogger: – Rear-window defogger	X	X	X
Floor covering: – Floor mats	X	X	X
Instrumentation:			

– Instrumentation, electric, analog	X	X	X
– Instrumentation, Head-Up Display	O(2)	O(2)	S
Key:			
– Remote Keyless Entry System	X	X	X
Locks:			
– PASS-Key theft-deterrent system with horn alarm	X	X	X
– Power door locks	X	X	X
Mirror(s), rearview:			
– Day/night rearview mirror with integral map light	X	X	X
– Electrochromic mirrors (inside rearview/outside driver)	O(2)	O(2)	O(4)
Mirror(s), vanity:			
– Illuminated dual visor mirrors	X	X	X
Reminder chime:			
– Headlamps-on reminder	X	X	X
– Turn signal-on reminder	X	X	X
Steering column:			
– Power telescoping steering column	O(2)	O(2)	–
– Tilt-Wheel steering column	X	X	X
Windows:			
– Power windows with Express-Down feature	X	X	X

1 Corvette is equipped with a passenger Air Bag Off Switch for use when carrying children. Never place a rear-facing infant restraint in the front seat of any vehicle equipped with an active air bag. Always use safety belts and proper child restraints, even with air bags. See the Owner's Manual and child safety seat instructions for more safety information.

2 Requires optional Preferred Equipment Group 1SB.

3 Requires Electrochromic Mirrors.

4 Requires Memory Package.

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SOUND SYSTEMS

X = Standard. O = Optional. – = Not available.

	Coupe	Conv.	Z06
Sound:			
– AM/FM stereo with CD player	X	X	X
– AM/FM stereo with cassette player and 12-disc remote CD changer	O	O	–
– 12-disc remote CD changer	O	O	–
– Bose audio and amplifier system	X	X	X

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ENGINE/CHASSIS

X = Standard. O = Optional. – = Not available.

	Coupe	Conv.	Z06
Brakes:			
– Four-wheel disc antilock brake system (ABS)	X	X	X
– Low tire pressure warning system	X	X	–
Differential:			
– Limited-slip differential	X	X	X
Engine:			
– 5.7 Liter LS1 V8 engine with Sequential Fuel Injection	X	X	–
– 5.7 Liter LS6 V8 engine with Sequential Fuel Injection	–	–	X
Exhaust system:			
– Stainless-steel exhaust system (aluminized stainless-steel rear of catalytic converter)	X	X	–
– Titanium exhaust components (mufflers and tailpipes)	–	–	X
Steering:			
– Power rack-and-pinion steering (speed-sensitive)	X	X	X
– Power steering cooler(1)	O	O	X
Suspension:			
– Z51 Performance Handling Package(2)	O	O	–
– F55 Magnetic Selective Ride Control(3)	O	O	–

– Z06 Performance Handling Package	–	–	X
– Fully independent suspension with transverse springs	X	X	X
Traction:			
– Active Handling System	X	X	X
– Traction Control	X	X	X
Transmission:			
– 4-speed automatic transmission	X	X	–
– 6-speed manual transmission	O	O	X

- 1 Requires Z51 Performance Handling Package.
2 Not available with F55 Magnetic Selective Ride Control.
3 Standard on 50th Anniversary Edition.

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TRAILERING

Trailer is not recommended for Corvette.

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SEATING

X = Standard. O = Optional. – = Not available.

	Coupe	Conv.	Z06
Seating:			
– Seats, leather seating surfaces Z06-specific	–	–	X
– Seats, Sport, leather seating surfaces	X	X	–
– Seat, power driver, six-way adjustable	X	X	X
– Seat, power passenger, six-way adjustable	X	X	–

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WHEELS/TIRES

X = Standard. O = Optional. – = Not available.

	Coupe	Conv.	Z06
Wheels:			
17" x 8.5" front, 18" x 9.5" rear			
– aluminum	X	X	–
– high-polish forged aluminum	O	O	–
– magnesium(1)	O	O	–
– 50th Anniversary Edition Champagne aluminum(2)	O	O	–
17" x 9.5" front, 18" x 10.5" rear			
– aluminum	–	–	X
Tires:			
Goodyear Eagle F1 GS Extended-Mobility			
– front: P245/45ZR-17	X	X	–
– rear: P275/40ZR-18	X	X	–
Goodyear Eagle F1 Supercar Non-Extended Mobility			
– front: P265/40ZR-17	–	–	X
– rear: P295/35ZR-18	–	–	X

NOTE: Do not use tire chains; they can damage your car.

1 Limited availability.

2 Available on 50th Anniversary Edition only.

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PREFERRED EQUIPMENT GROUPS (PEGs)

X = Standard. • = Included in Preferred Equipment Groups. – = Not available.

Preferred Equipment Groups are special option packages designed to simplify the buying process. You may also select from the individual options listed throughout this Buyer's Guide. Some restrictions may apply. Please see your dealer for details.

Coupe	1SA	1SB
Head-Up Display	–	•
Electrochromic rearview mirrors: inside and driver's outside	–	•
Memory Package	–	•
Power telescoping and manual Tilt-Wheel steering column	–	•
Twilight Sentinel, Headlamp Control System	–	•

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Convertible	1SA	1SB
Head-Up Display	–	•
Electrochromic rearview mirrors: inside and driver's outside	–	•
Memory Package	–	•
Power telescoping and manual Tilt-Wheel steering column	–	•
Twilight Sentinel, Headlamp Control System	–	•

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NOTE: 50th Anniversary Edition Preferred Equipment Group 1SC is available on Corvette coupe and convertible models only. Limited availability.

50th Anniversary Edition

	1SC
Memory Package	•
Power telescoping and manual Tilt-Wheel steering column	•
Head-Up Display	•
Twilight Sentinel	•
Electrochromic mirrors: inside rearview and outside driver	•
Magnetic Selective Ride Control	•
Champagne aluminum wheels	•
Floor mats with 50th Anniversary logo	•
50th Anniversary fender badging	•
50th Anniversary Red Exterior	•
Shale interior trim	•
Shale convertible top(1)	•

1 Convertible only.

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CAPACITIES

	Coupe	Convertible	Z06
Passenger capacity	2	2	2
Interior Passenger Index (liters/cu. ft.)	1455 / 51.4	Data not available	1464 / 51.7
Cargo capacity (liters/cu. ft.)	702 / 24.8	394 / 13.9(1)	377 / 13.3
Liftover height (mm/inches)	934.7 / 36.8		
Fuel tank (liters/gallons) (approximate)	68.1 / 18.0		
Engine oil w/filter (liters/quarts)	6.15 / 6.5		
Engine coolant (liters/quarts)	10.9 / 11.5 (11.2 / 11.8 w/manual trans.)		

1 13.9 cu. ft. with top up; 11.2 cu. ft. with top down.

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DIMENSIONS

	Coupe	Convertible	Z06
<u>Exterior</u>			
Wheelbase (mm/in.)	2655.5 / 104.5	2655.5 / 104.5	2655.5 / 104.5
Length, overall (mm/in.)	4565.6 / 179.7	4565.5 / 179.7	4565.6 / 179.7
Height, overall (mm/in.)	1211.5 / 47.7	1214.7 / 47.8	1211.5 / 47.7
Tread Width, front (mm/in.)	1572.3 / 61.9	1572.3 / 61.9	1584.5 / 62.4
Tread Width rear (mm/in.)	1574.5 / 62.0	1574.5 / 62.0	1589.5 / 62.6
Interior			
Headroom (mm/in.)	963 / 37.9	955 / 37.6	960 / 37.8

Legroom (mm/in.)	1085 / 42.7	1085 / 42.7
Shoulder Room (mm/in.)	1405 / 55.3	1405 / 55.3
Hip Room (mm/in.)	1377 / 54.2	1377 / 54.2

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SPECIFICATIONS

Steering Specifications	Coupe	Convertible	Z06
Type	Speed-sensitive, power-assisted, magnetic variable effort (MagnaSteer)		
Ratio	16.1:1		
Turns, lock-to-lock	2.66		2.46
Turning Diameter, curb-to-curb (m/ft.)	12/39.4		12.9/42.3
Turning Diameter, wall-to-wall (m/ft.)	12.3/40.3		13.2/43.3

Brake Specifications	Coupe	Convertible	Z06
Type	Four-wheel disc		
Gross Lining, front/rear (sq.-in)	22.6 / 8.7		
Effective Area, front/rear (sq.-in)	22.3 / 8.7		
Antilock System	Four-wheel (Bosch ABS V)		
Rotor Dia. x Thickness, front (mm/in.)	325 x 32 / 12.6 x 1.26		
Rotor Dia. x Thickness, rear (mm/in.)	305 x 26 / 12.6 x 1.27		
Swept Area, front, rear (sq. cm/in.)	1696 (F) 1018.0 (R) / 263 (F) 158 (R)		

Engine Specifications	Coupe	Convertible	Z06
Order Code	LS1		LS6
Type	Overhead-valve (OHV) Pushrod V8		
Displacement	5.7L/5665 cc		
Fuel Induction System	Sequential Fuel Injection		
Horsepower (SAE net @ RPM)	350 @ 5200		405 @ 6000
Torque (lb.-ft. @ RPM)	375 @ 4400 (manual) 360 @ 4000 (automatic)		400 lb.-ft. @ 4800 (manual)
Redline (RPM)	6000		6500
Fuel Shutoff RPM	6200		6600
Compression Ratio	10.1:1		10.5:1
Firing Order	1-8-7-2-6-5-4-3		
Block	Cast-aluminum 107.1 lbs. (48.6 kg)		
Total Dressed Engine Mass (wt.) Dry	Automatic 457.6 lbs. (208 kg); Manual 497.2 lbs. (226 kg)		
Cylinder Heads	Cast-aluminum 20.3 lbs. (9.2 kg)		
Cylinder Block Length	20.4 in. (519mm)		
Cylinder Head Volume	4.1 cu.-in. (67.3 cu.-cm)		
Cylinder No. System (front to rear)(1)	1-3-5-7 (L. Bank)		
Head Gasket Thickness (compressed)	1.33mm		
Knock Sensor (number and location)	2 – Valley		
Intake Manifolds	Composite 15.9 lbs. (7.2 kg)		
Exhaust Manifolds	Cast nodular iron		
Valves per Cylinder	2		
Hydraulic Roller Lifters	Standard		
Roller Rocker Arms	Standard		

Crankshaft	Cast iron w/undercut and rolled fillets
Camshaft	Hollow steel
Main Bearing Caps	Powder metal
Bore x Stroke (in/mm)	3.90 x 3.62 / 99.0 x 92.0
Bore Spacing (C/L to C/L)	4.40 in. (111.8mm)
Cam Drive	Chain
Tailpipes	4, rear center exit
Ignition System	Coil near plug
Battery SAE Capacity	500 cca, 600 cca (Z06)
Recommended Fuel	Premium unleaded
Recommended Lubricant	5W/30 Mobil 1 synthetic or equivalent
Recommended Oil Change Interval	15,000 miles or 1 year (Maintenance needs vary with different uses and driving conditions. See the Owner's Manual for more information.)
Emissions Control (NLEV-Compliant)	Catalytic converter, 3-way catalyst, Air Injector Reaction (AIR), Positive Crankcase Ventilation (PCV)
Additional Features	Extended-life spark plugs, Extended-life coolant, Oil level sensor, Oil life monitoring system

1 Rear of engine – drive takeoff. View from drive takeoff end to determine left and right side of engine.

Transmission Specifications	Coupe / Convertible		Z06
	Type	4-speed automatic	6-speed manual
Transmission Order Code	M30	MM6	M12
Gear Ratios:			
1st	3.06:1	2.66:1	2.97:1
2nd	1.62:1	1.78:1	2.07:1
3rd	1.00:1	1.30:1	1.43:1
4th	0.70:1	1.00:1	1.00:1

5th	–	0.74:1	0.84:1
6th	–	0.50:1	0.56:1
Reverse	2.29:1	2.90:1	3.28:1
Axle Ratio	2.73:1 (std.) 3.15:1 (perf.)(1)	3.42:1	3.42:1
Final Drive Ratio	1.90 (std.) / 2.19 (perf)(1)	1.71	1.92

1 With optional Performance axle (available only with automatic).

Acceleration Specifications (1)	Coupe	Convertible	Z06
0–60 mph, Man. Trans. (sec.)	4.6 (manual), 4.9 (auto)		3.9 (manual)
Braking, 60-0 mph (ft.)	125		
Top Speed (kph/mph)(2)	281.6 / 175		275.2 / 171
1/4-mile manual (sec./mph)	13.22 / 109 mph		12.4 / 116
Lateral Acceleration (g)	0.93		1.00
Coefficient of Drag (cd)	0.29	0.33	0.31

1 Data generated during closed-course development testing and provided for reference purposes only. Actual results may vary depending upon equipment, road surfaces, altitudes, temperatures and other variables.

2 Top speed is reached in 5th gear on manual-equipped cars.

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FUEL ECONOMY

Model	LS1 V8 Engine (Coupe)	LS1 V8 Engine (Convertible)	LS6 V8 Engine (Z06)
Manual transmission, estimated MPG(1)	19 city, 28 hwy.	19 city, 28 hwy.	19 city, 28 hwy.
Automatic transmission, estimated MPG(1)	18 city, 25 hwy.	18 city, 25 hwy.	Not applicable
Max. cruising range, (miles)	504 manual/ 450 automatic	504 manual/ 450 automatic	504 manual
Max. cruising range, (kilometers)	811 manual/ 724 automatic	811 manual/ 724 automatic	811 manual

1 Based on GM testing. Official EPA numbers not yet available.

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