



CHEVROLET CORVETTE

NEW FOR 2003

- 50th Anniversary Edition
- Available Magnetic Selective Ride Control
- Coupe and convertible have more standard equipment: fog lamps, sport seats, power passenger seat, dual zone auto HVAC, parcel net and luggage shade (coupe only)
- Medium Spiral Gray Metallic replaces Pewter
- Special 50th Anniversary exterior badges
- Child Restraint Attachment System (CRAS) child seat hooks

MODEL LINEUP

	ENGINES		TRANSMISSIONS	
	5.7L V8 LS1	5.7L V8 LS6	4-spd auto (Hydra-Matic 4L60-E)	6-spd man (M12)
Coupe	•	—	•	○
Convertible	•	—	•	○
Z06	—	•	—	•

KEY:

- Standard •
- Optional ○
- Not available —

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CHEVROLET RELEASES 50TH ANNIVERSARY EDITION CORVETTE, ADDS MAGNETIC SELECTIVE RIDE CONTROL TO LINEUP



For 50 years, the Chevrolet Corvette has been carefully crafted from a precise blend of power, performance, style and comfort. As it celebrates five colorful decades in the automotive business in 2003, Chevrolet's flagship continues its reign as one of GM's technology and style bellwethers.

For 2003, Corvette unveils a 50th Anniversary Edition, more standard equipment on the coupe and convertible models, and Magnetic Selective Ride Control, the industry's fastest and most powerful real-time damping suspension.

"Few vehicles have had the staying power of Corvette," said Rick Baldick, Corvette marketing director. "We believe much of that success comes from a willingness to embrace advancing technology while remaining true to Corvette's glorious history. As we celebrate our golden anniversary in 2003, we honor our past and cast a bright eye toward the future."

A golden tribute

50th Anniversary Edition Corvette

The 50th Anniversary Edition, available only during the 2003 model year on coupe and convertible models, is a tribute to a half-century of automotive leadership. It includes special 50th Anniversary Red exterior paint, specific badging, unique Shale interior including color coordinated instrument panel and console, and champagne-painted anniversary wheels with special emblems. It also features



embroidered badges on the seats and floor mats, padded door armrests and grips and a Shale convertible top. The Anniversary Edition includes the standard Corvette LS1 engine, as well as Magnetic Selective Ride Control. A special 50th Anniversary Edition of the 2003 Corvette was the Official Pace Car of the Indianapolis 500 last May, marking the fifth time that a Corvette has paced the race.

Magnetic Selective Ride Control

fastest, most powerful real-time damping suspension

New on the Corvette for 2003, Magnetic Selective Ride Control uses a revolutionary damper design that controls wheel and body motion with Magneto-Rheological fluid in the shocks. By controlling the current to an electromagnetic coil inside the piston of the damper, the MR fluid's consistency can be changed, resulting in continuously

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variable real time damping. As a result, drivers feel a greater sense of security, a quieter, flatter ride and more precise, responsive handling, particularly during sudden, high-speed maneuvers.

The system isolates and smoothes the action of each tire, resulting in less bouncing, vibration and noise. On bumpy or slick surfaces, the system integrates with traction control to assure maximum stability. It also works with ABS to keep the vehicle balanced and poised. It is the only system without electro-mechanical valves and no small moving parts. It consists of MR fluid-based, monotube shock absorbers, a sensor set and on-board controller.

Magnetic Selective Ride Control is available on Corvette coupe and convertible models for 2003. It is included with the 50th Anniversary Edition.

More standard equipment

**newly standard foglamps,
sport seats, and more**

Corvette adds new standard equipment on coupe and convertible models for 2003, including foglamps, sport seats, power passenger seat, dual-zone auto HVAC, and a parcel net and luggage shade on coupe.



CRAS child seat hooks, other new features

For those who bring their little ones along for the ride, the 2003 Corvette includes Child Restraint Attachment System (CRAS) child seat hooks on the passenger seat to allow easier child seat connection. The Corvette's air bag-off switch must be used to disable the passenger-side air bag when using child seats in the vehicle.

During 2003 only, all Corvettes feature a special 50th anniversary emblem on the front and rear. The emblem is silver and features the number "50" with the signature cross-flag design.

In addition, Medium Spiral Gray Metallic exterior paint replaces Pewter for 2003.

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Contact:

Chevrolet Communications
Bob Tripolsky
Phone: 313-667-5051
Fax: 313-667-4007
Email: robert.r.tripolsky@gm.com

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SPECIFICATIONS

OVERVIEW

Models:	Corvette coupe; convertible; Z06
Body style / driveline:	two-door hatchback coupe, convertible and hardtop; rear-drive, front-engine
Construction:	composite
EPA vehicle class:	two-seater
Manufacturing location:	Bowling Green, Kentucky
Key competitors:	Audi TT, BMW Z3, Dodge Viper, Porsche Boxster and Boxster S, Porsche 911

ENGINES

	5.7L V8 LS1	5.7L V8 LS6
Application:	standard on coupe, convertible	standard on Z06
Type:	5.7-liter V8	5.7-liter V8
Displacement (cu in / cc):	350 / 5665	350 / 5665
Bore & stroke (in / mm):	3.90 x 3.62 / 99 x 92	3.90 x 3.62 / 99 x 92
Block material:	cast aluminum	cast aluminum
Cylinder head material:	cast aluminum	cast aluminum
Valvetrain:	OHV, two valves per cylinder	OHV, two valves per cylinder
Fuel delivery:	SFI (sequential fuel injection)	SFI (sequential fuel injection)
Compression ratio:	10.1:1	10.5:1
Horsepower (hp / kw @ rpm):	350 / 261 @ 5600	405 / 302 @ 6000
Torque (lb-ft / Nm @ rpm):	manual: 375 / 508 @ 4400 automatic: 360 / 489 @ 4000	400 / 542 @ 4800
Recommended fuel:	93 octane	93 octane
Maximum engine speed (rpm):	6000	6500
Emissions controls:	catalytic converter AIR 4-speed automatic	catalytic converter AIR 6-speed manual
Estimated fuel economy (mpg city / hwy / combined):	19 / 28 / 23 (manual coupe and convertible) 18 / 25 / 21 (automatic coupe and convertible)	19 / 28 / 23 (manual Z06)

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TRANSMISSIONS

	Hydra-Matic 4L60-E	6-speed manual	6-speed manual
Type:	four-speed automatic	6-speed manual	6-speed manual
Application:	standard on coupe and convertible	optional on coupe and convertible	standard on Z06
Gear ratios (:1):			
First:	3.06	2.66	2.97
Second:	1.63	1.78	2.07
Third:	1.00	1.30	1.43
Fourth:	0.70	1.00	1.00
Fifth:	—	0.74	0.84
Sixth:	—	0.50	0.56
Reverse:	2.29	2.90	3.28
Final drive ratio:	std: 2.73; opt: 3.15	3.42	3.42

CHASSIS/SUSPENSION

Front:	short/long arm (SLA) double wishbone, cast aluminum upper & lower control arms, transverse-mounted composite leaf spring, monotube shock absorber
Rear:	short/long arm (SLA) double wishbone, cast aluminum upper & lower control arms, transverse-mounted composite leaf spring, monotube shock absorber
Stabilizer bar diameter (in / mm):	
Standard:	front: .90 / 23; rear: .75 / 19.1
F55:	front: .90 / 23; rear: .75 / 19.1
Z51:	front: 1.13 / 28.6; rear: 1.13 / 23.6
FE4:	front: 1.18 / 30; rear: 1.13 / 23.6
Traction control:	electronic traction control, active handling
Steering type:	speed sensitive power-assisted rack-and-pinion
Steering ratio:	16.1:1
Steering wheel turns, lock-to-lock:	2.66
Turning circle, curb-to-curb (ft / m):	40.2 / 12.1

BRAKES

Type:	power-assisted disc with ABS, front and rear
Rotor diameter x thickness (in / mm):	front: 12.6 x 1.26 / 325 x 32; rear: 11.8 x 1 / 305 x 26
Swept area (sq in / sq cm):	front: 263 / 1696; rear: 158 / 1018

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WHEELS/TIRES

	Coupe and Convertible	Z06
Wheel size and type:		
Standard:	cast aluminum	cast spun aluminum front: 17 x 9.5; rear: 18 x 10.5
Optional:	forged aluminum high polish; front: 17 x 8.5; rear: 18 x 9.5	–
Tires:	Goodyear Eagle F1 GS Extended Mobility front: P245/45ZR17 rear: P275/40ZR18	Goodyear Eagle F1 SC Asymmetric Tread front: P265/40ZR17 rear: P295/35ZR18

DIMENSIONS

	Coupe	Convertible	Z06
Exterior			
Wheelbase (in / mm):	104.5 / 2655.5	104.5 / 2655.5	104.5 / 2655.5
Overall length (in / mm):	179.7 / 4565.6	179.7 / 4565.5	179.7 / 4565.5
Overall width (in / mm):	73.6 / 1869.4	73.6 / 1869.4	73.6 / 1869.4
Overall height (in / mm):	47.7 / 1211.5	47.8 / 1214.7	47.7 / 1211.5
Track (in / mm):	front: 61.9 / 1572.3 rear: 62 / 1574.5	front: 61.9 / 1572.3 rear: 62 / 1574.5	front: 62.4 / 1584.5 rear: 62.6 / 1589.5
Curb weight (lbs / kg):	3246 / 1458	3248 / 1456	3118 / 1414
Weight distribution (% front / rear):	51 / 49	51 / 49	53 / 47
Interior			
Seating capacity (front / rear):	2 / 0	2 / 0	2 / 0
Head room (in / mm):	37.9 / 963	37.9 / 963	37.8 / 960
Leg room (in / mm):	42.7 / 1085	42.7 / 1085	42.7 / 1085
Shoulder room (in / mm):	55.3 / 1405	55.3 / 1405	55.3 / 1405
Hip room (in / mm):	54.2 / 1377	54.2 / 1377	54.2 / 1377

CAPACITIES

Cargo volume (cu ft / liters):	coupe: 24.8 / 702; convertible: 13.9 / 394; Z06: 13.3 / 377
Fuel tank (gals / liters):	18.0 / 68.1
Engine oil (qts / liters):	6.5 / 6.15
Cooling system (qts / liters):	automatic: 11.5 / 10.9; manual: 11.8 / 11.2

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