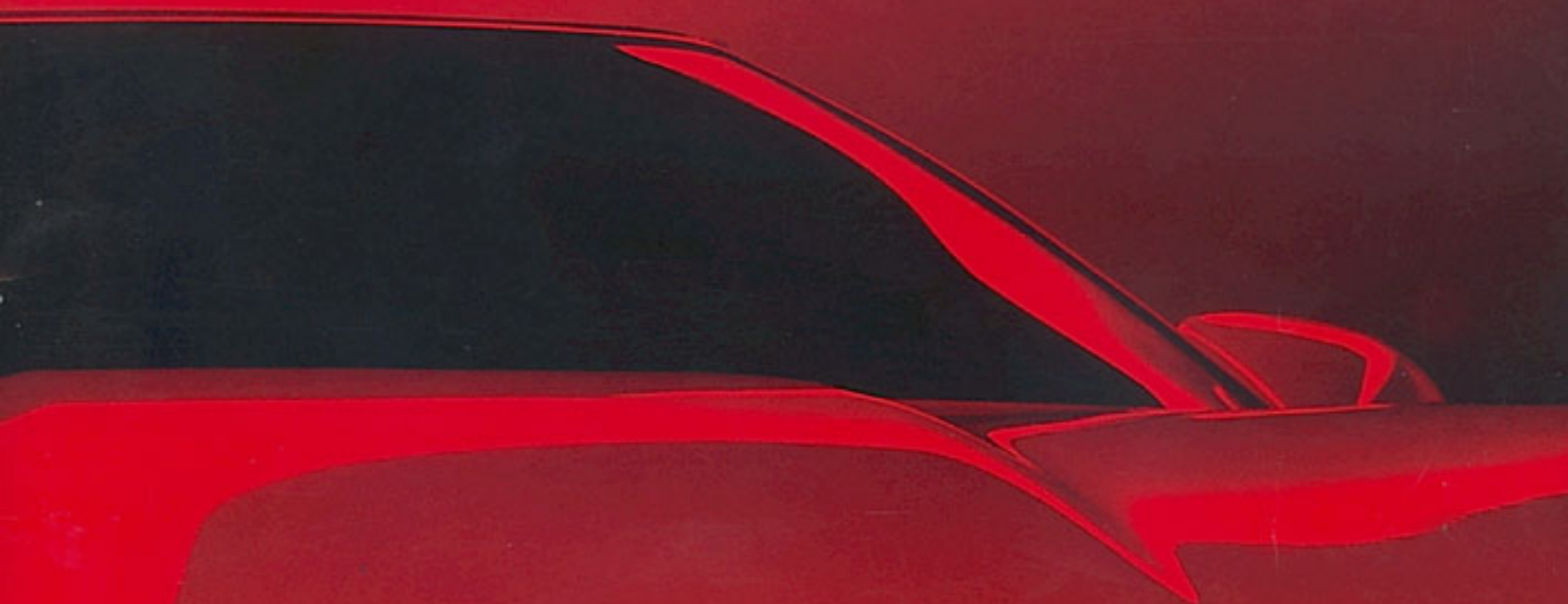


CORVETTE





## 8 CORVETTE COUPE

The handling and performance of Corvette Coupe is uncompromised. Yet the comforts and appointments are luxury-class. It is not surprising that the critics have called Corvette one of the world's best sports cars; nor would it be surprising, once you have experienced the '88 edition, for you to agree with them.



## 16 CORVETTE CONVERTIBLE

There are convertibles, and then there is the Corvette Convertible—basically a formidable Corvette Coupe sans the coupe top. The effect is a perfect balance of open-air exhilaration and performance technology



that belongs only to Corvette. According to the sales figures, there are many drivers who would have their Corvette no other way.

## 20 PERFORMANCE

The king of the production sports cars features a 5.7 Liter V8 with Tuned-Port Fuel Injection, rolls on more aggressive ZR-rated tires and continues to offer phenomenal road-holding ability plus the confident stopping power of the Bosch ABS II anti-lock braking system. The net result is a uniquely American sports car that rewards the driver with full measures of responsiveness and reassurance.



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# CORVETTE MISSION

Corvette, more than any other two-seater, has been the influential sports car of the modern era.

It's a sports car, in short, that has broken the old molds and has triggered brand-new thinking about sports car design.

It's Corvette, from Chevrolet. Right from the beginning, this decidedly American sports car departed from European tradition. Its 1953 styling was inspired by the avant-garde appearance of General Motors "dream cars." A large in-line six-cylinder engine

Still, Corvette engineers were determined to expand the performance potential of the production sports car. The soon-to-be-legendary small-block V8 found a perfect home in the '55 model. Then, for 1957, the introduction of a 283-cubic-inch version with Ramjet Fuel Injection and a fully synchronized 4-speed manual transmission set the sports car world talking.

1953 Corvette Convertible.



Since 1953, only one sports car has faithfully reflected the American way of driving.

It's a sports car designed for our narrow country roads, city streets, freeway exchanges and horizon-line straightaways.

It's a sports car very deliberately created to satisfy uniquely American needs for power, emotion-stirring style and driving comfort.

and Powerglide automatic transmission combined to provide ample low-end torque and brisk acceleration.

Chevrolet's innovative approach to the art of sports car manufacture also included the use of fiberglass body panels, an integral top boot and a high-style wraparound windshield.

Early road tests confirmed what Chevy engineers suspected and Corvette buyers would soon find out: the unconventional American delivered performance and handling fully competitive with its contemporaries.

World-class performance has always been a part of the Corvette story, but only a part. In the development and refinement of the sports car concept, GM engineers immediately parted company with their European colleagues. While the continental emphasis remained on small-displacement engines and only rudimentary comforts, the Corvette was evolving into a true GT machine. And when service or parts were necessary, they were as close as a Chevrolet dealership. Corvette was also unique among two-seaters for its lengthy list of options including power steering, power brakes, AM/FM radio, air conditioning and even a Tilt-Telescopic steering wheel.

The fact that all these luxuries are commonplace on contemporary sporting machinery of all makes suggests that Corvette, more than any other two-seater, has been the influential sports car of the modern era.

1988 Corvette Convertible.



Today, the competition press is talking about the current generation Corvette, a car that has won more SCCA-sanctioned Showroom Stock Endurance races than any other production automobile.\* The technology that makes this Corvette a champion on the track and a legend on the street includes a 5.7 Liter update of the respected small-block V8 with aluminum cylinder heads and Tuned-Port Injection, one of the world's most advanced induction systems. Other technical highlights include a fully independent suspension, track-proven Goodyear Eagle ZR tires and the choice of a 4+3-speed manual transmission or a 4-speed automatic overdrive.

Other features that combine to make the 1988 Corvette a definitive sports car of our own era include a Bosch ABS II anti-lock braking system, Pass Key vehicle security system, an optional suspension with new 17" wheels (16" are standard), lustrous base-coat/clear-coat paint and an aerodynamic shape honed in the General Motors wind tunnel.

Put them side by side and you can't help but notice vast differences between the first Corvette ever crafted and the 1988 edition. There have been major improvements in engineering, aerodynamics, manufacturing and materials technologies...plus all the minor changes born of 35 years of refining, tweaking and fussing by self-admitted Chevrolet perfectionists.

But both vehicles—and all Corvette models in the intervening years—have ably fulfilled the Corvette Mission: to serve up a uniquely American sports car. It's been—and is—a labor of love.

\*Showroom Stock competition Corvettes are specially modified in accordance with Sports Car Club of America regulations.

# IMPRESSIONS



A quartet of the nation's finest photographers (and Corvette lovers all) capture the excitement and style of America's sports car in a unique exhibit.



Dick Reed



Peggy Day



# IMPRESSIONS



Jim Turcott



There has always been something special about the way Corvette looks. It is a car that tugs on the emotions and won't let go. Magazine editors tell us that a Corvette cover will send newsstand sales soaring. Proud owners have been known to fill albums with Corvette shots, and the fascination extends to posters and toy cars.

Even the professional automotive photographer gets a special kick from a Corvette "shoot." It's more than an assignment; it's a fun car to work with.

In this spirit, we thought it would be fitting to let four of America's leading professionals take a portrait of Corvette. Layouts were put aside and art directors, who usually supervise the photographer, were shown the door. Then each photographer was given only one guideline—take a picture of Corvette—as you see this car.

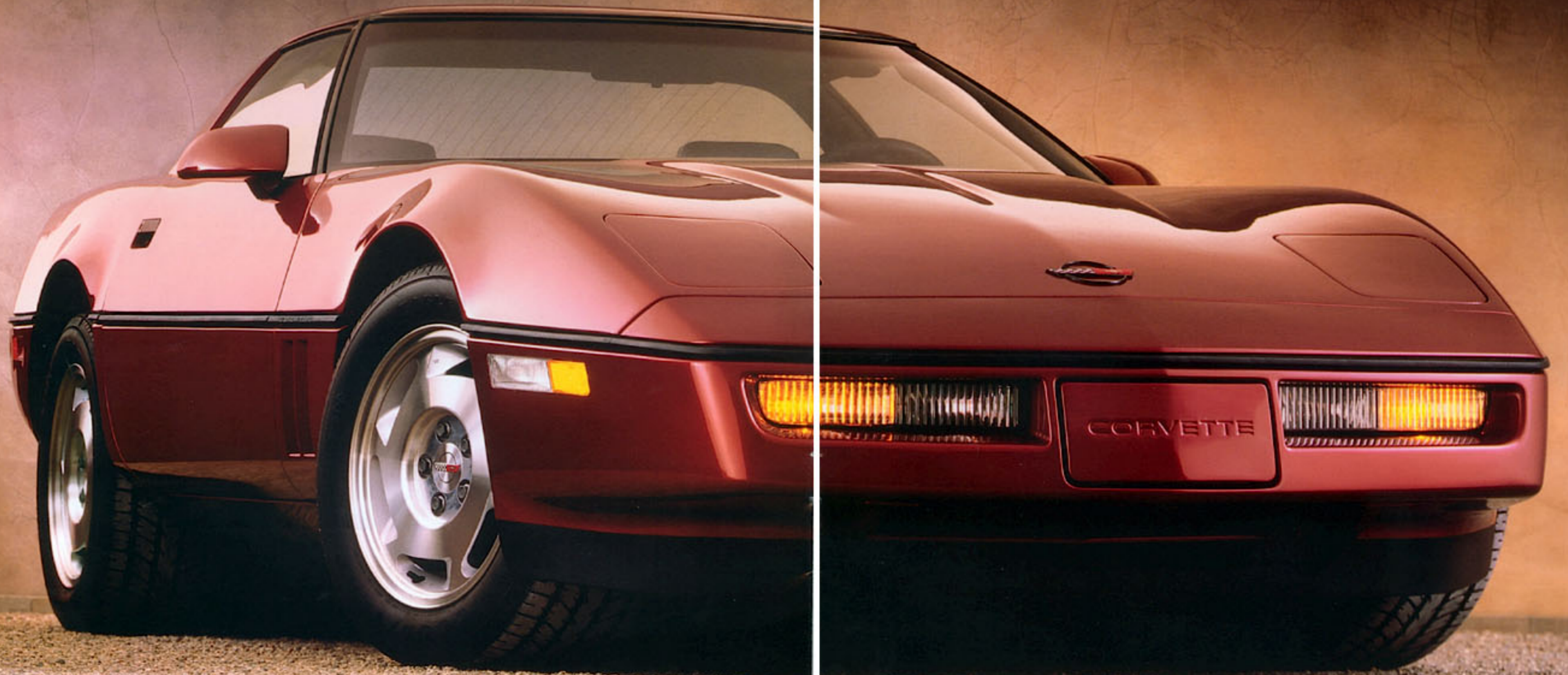
It's a unique exhibit. And we think it reflects the visceral excitement of a very personal car, Corvette by Chevrolet.

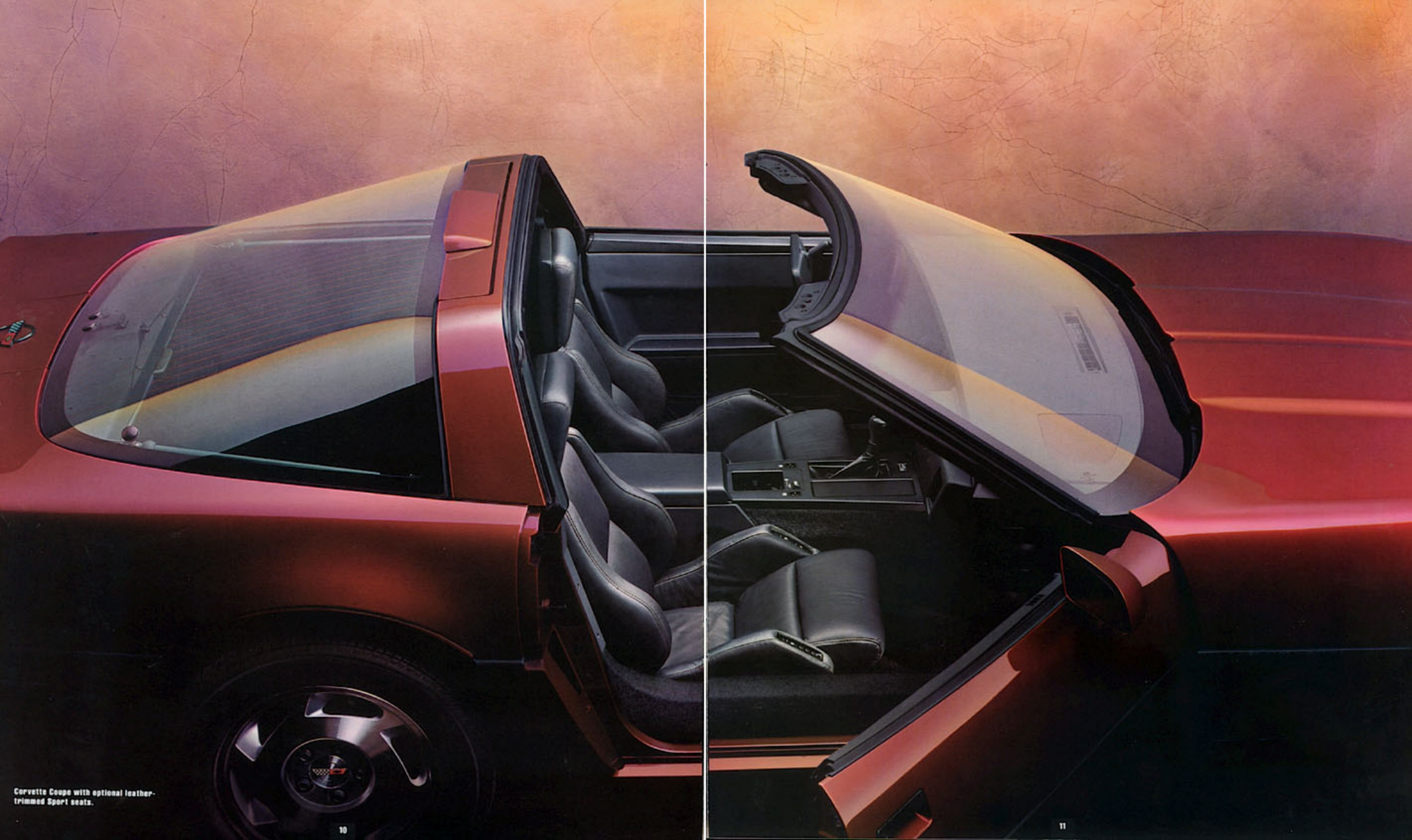


James Kaefner



# CORVETTE COUPE





Corvette Coupe with optional leather-trimmed Sport seats.



Corvette Coupe, the grand touring edition of America's exotic car, offers a stunning combination of advanced design, luxurious comfort and outstanding performance. To those who have driven a Corvette, it should come as no surprise that Car and Driver has named this car one of the world's "Ten Best" for three years running.

#### EXTERIOR DESIGN

The sensuous shape of Corvette Coupe is unmistakable, from the sweeping hood line to tradition-

#### INTERIOR COMFORT

Presenting an environment of intimate, scientifically shaped comfort for two. Specifics of the Corvette interior:

- Deeply contoured standard Sport Cloth reclining bucket seats with integral head restraints. Leather seat trim optional.
- Optional adjustable Sport bucket seats with integral head restraints (leather trim only). Both driver and passenger seats feature power adjustment for lumbar support and backrest

high-beam headlamps.

- Driver information system. Includes average MPG and cruising range in digital readouts.
- Standard air conditioning.
- Standard AM/FM stereo radio with Seek and Scan, cassette tape player, digital clock and four speakers. Or choose the ultimate in automotive music systems, the optional Delco/Bose stereo that is tuned specifically to the interior acoustics of Corvette Coupe.
- Power windows, power door locks and electric mirrors.

technology includes:

- The legendary 5.7 Liter V8 with Tuned-Port Injection, aluminum cylinder heads and a new higher-lift camshaft. For 1988, horsepower increases to 245 at 4300 RPM†
- Standard 4-speed manual transmission with overdrive on the top three gears. Or select, at no extra cost, the 4-speed automatic overdrive.
- Bosch ABS II anti-lock braking system and four-wheel disc brakes.



Corvette instrument panel.

inspired circular tail lamps. Features include:

- A smooth, aerodynamic design perfected in the GM wind tunnel.
- A one-piece removable fiberglass roof panel gives Corvette Coupe the open-air flair of a convertible and the security of a closed car.
- Retractable halogen headlamps and halogen foglamps.
- Lustrous base-coat/clear-coat paint for a "wet-look" shine.

positioning (requires optional six-way power driver and passenger seat adjustment).

- An instrument panel to please the demanding enthusiast, featuring electronic liquid-crystal instrumentation with multi-colored analog and digital display. Readouts include: speedometer, 6000-RPM tachometer, fuel level, oil pressure, oil temperature plus conventional readouts for odometer, turn signals and

- Tilt-Telescopic steering wheel.
- Intermittent windshield wipers.
- Up to 179 cu. ft. of cargo space.
- Rear underfloor storage compartments (two).

#### CORVETTE TECHNOLOGY

Corvette is America's Showroom-Stock Endurance racing champion. And the precise response and handling that help Corvette capture the checkered flag so consistently also make it a sensational highway performer.\* The

-Independent front and rear suspension with fiberglass transverse leaf springs and forged aluminum A-arms.

-New standard 16" x 8½" cast-aluminum wheels with P255/50ZR-16 tires.

-New optional 17" x 9½" cast-aluminum wheels with P275/40ZR-17 tires (included with Z51 and Z52 Performance Handling Packages. See page 26 for details.).

\*Showroom Stock competition Corvettes are specially modified in accordance with Sports Car Club of America regulations.

†240 HP at 4000 RPM on Coupe with 2.59:1 rear axle and all Convertibles.

CORVETTE CONVERTIBLE



To the open car cognoscente, the Corvette Convertible has always presented a singularly seductive motoring experience.

The romance continues with the current-generation Corvette Convertible. The shape is ominously elegant, the performance everything you expect of Corvette. World-class technology has taken tradition and reshaped it for a new generation.

#### UNCOMMON PERFORMANCE

In creating the convertible version of America's own exotic sports car, the Corvette engineering team has allowed no performance compromise.

The result is more than aesthetic triumph; it is a technological tour de force. Features include:

- The 240-HP 5.7 Liter Corvette V8 with Tuned-Port Fuel Injection.
- A choice of 4-speed automatic or 4-speed manual overdrive transmissions.
- Fully independent suspension tuned specifically for the convertible version.
- New standard 16" x 8½" cast-aluminum wheels with P255/50ZR-16 tires.
- New optional 17" x 9½" cast-aluminum wheels with P275/40ZR-17 tires (included with Z52 Performance Handling Package, see page 26 for details).

#### CONVERTIBLE DESIGN SPECIFICS

Significantly, this Corvette has been designed as a convertible. To ensure the highest quality standards, the Convertible is custom-crafted on a special final assembly line within the Bowling Green, Kentucky, Corvette plant. Features include:

- A manually operated, aerodynamically designed convertible top with headliner and acrylic rear window.
- Three convertible top colors: Black, White and Saddle.
- A covered well into which the top completely disappears. There is no unsightly boot to mar the top-down appearance.

Certainly, there are other convertibles. But only one so perfectly balances exotic performance with timeless elegance. The convertible Corvette.

**Corvette Convertible's folding top is available in White, Saddle or Black, depending on exterior color selected.**



# PERFORMANCE



Corvette's 5.7 Liter V8 with Tuned Port Fuel Injection delivers 245 HP at 4300 RPM.\*

You'd think a car with a track record like Corvette's might rest on its performance laurels. It hasn't.

#### UP TO 245 HORSEPOWER FOR 1988

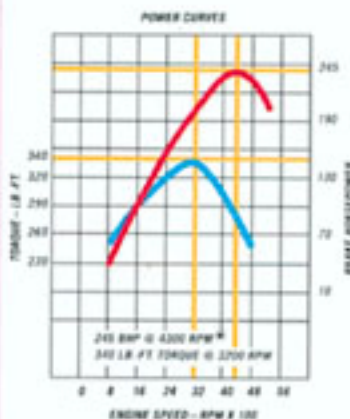
A grand touring automobile deserves no less than a respected, race-proven powerplant. The more powerful 5.7 Liter V8 with Tuned-Port Injection (TPI) is such an engine.

Displacing 5.7 liters (350 cu. in.), the Corvette engine features 90° design, overhead valves and an over-square, short stroke con-

figuration (bore 4.00, stroke 3.48) with a compression ratio of 9.5:1. Copper core spark plugs, low-friction roller valve lifters, ball-tip push rods, one-piece oil pan and one-piece rear crankshaft seal are included, as well as Electronic Spark Control (ESC) to tailor spark advance to the level of octane in the fuel.

TPI is a model of advanced fuel management, featuring eight tuned runners that ram air into the combustion chambers. Individual Bosch injectors spray pulsed charges of fuel directly into the intake ports for dependable cold and hot starts and instant throttle response. An electronic control module receives input from the mass airflow sensor, then adjusts the injector's pulse duration with computer-speed accuracy. This is simply one of the most sophisticated automotive fuel-injection systems there is.

Corvette performance is further enhanced with aluminum cylinder heads and large inlet ports for improved breathing and high compression. For 1988, a new high-lift camshaft helps increase horsepower to 245 at 4300 RPM and torque to 340 at 3200 RPM.\*



As this horsepower/torque chart indicates, Corvette's peak torque of 340 indicates a broad usable power range.

\*240 HP at 4000 RPM and 335 lb.-ft. torque at 3200 RPM on Coupe with 2.50 axle and all Convertibles.

#### TRANSMISSIONS

This high-output V8 combines with a choice of transmission: standard automatic with 4th gear overdrive or the no-cost-option 4-speed manual. Both the automatic and the manual have oil and water heat exchangers and aluminum transmission housings. Aluminum contributes to rapid heat dissipation. Efficiency of cooling helps protect the transmission oil from degradation; that helps protect the bearings, gears and synchronizers.

The standard 4-speed automatic overdrive offers convenience without performance compromise.







As with Corvette's other features, the transmissions presume driver control. While the standard automatic shifts itself as smoothly as a dancer executes an arabesque, the driver can dictate precise commands to the manual unit. With overdrive in the top three gears, the manual gives a choice of seven gear ratios so engine speed is optimized, whether powering through a curve, maneuvering through congested city traffic or following those long western straight-aways right into the sunset.

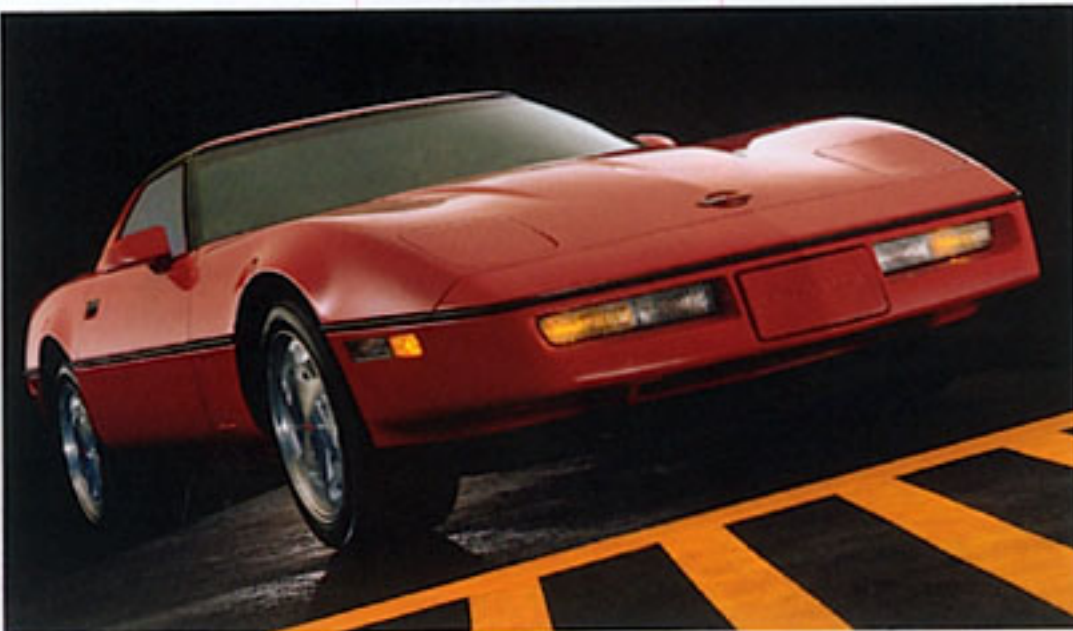
**SUSPENSION COMPONENTRY**  
Because good manners are always appropriate in a fine sports car, Corvette combines compliant ride characteristics with quick, accurate driver response. The technology that makes this artful balance possible includes fiberglass-composite front and rear transverse springs with computer-selected rates, a rear independent suspension with five-link connections and forged aluminum componentry. Specifications also include power rack-and-pinion steering, an aircraft-inspired "uniframe" and new Goodyear Eagle ZR50 tires.

**Corvette's 4-speed manual overdrive is a no-cost option. This transmission offers the unique flexibility of seven ratios, enhancing both economy and performance.**

#### UNIFRAME

Computer-aided design rewards the Corvette owner with a strong, lightweight chassis layout. The uniframe, or space frame, is made of relatively thin sections of sheet steel spot-welded together. Fiberglass body skins are then bonded to the uniframe.

The concept involves marrying the uniframe or upper structure and the frame into a single unit. (In earlier designs the upper



**Anti-lock and four-wheel disc brake system help give Corvette the edge in an emergency.**

structure was perched atop frame rails on rubber body mounts; the current generation Corvette has eliminated this heavy, bulky ladder-type frame.) The result is a stiff structure, contributing to Corvette's phenomenal road-holding ability.

#### BOSCH ABS II ANTI-LOCK BRAKING SYSTEM

ABS II, developed for Corvette by Bosch, is a computer-controlled system. This state-of-the-art technology is applied automatically should the driver call for braking beyond normal tire/road interface capabilities.

Whenever braking begins,

wheel sensors automatically inform the Bosch ABS II computer of the rotational velocity of the four wheels. This control unit "watches" each wheel, noting its rate of deceleration and comparing it to a calculated reference speed. Should a wheel begin to rotate too slowly—i.e., if it attempts to lock up or develop too high a slip rate—the ABS II system momentarily releases brake pressure at that wheel. Front wheels are controlled individually; rear wheels as a single unit. When the wheel-speed sensor determines that the wheel is no longer approaching

lockup, pressure is reapplied to maintain braking.

When called upon to do so, Bosch ABS II can adjust brake pressure as rapidly as 15 times per second, a rate even the most skillful professional driver cannot attain. When the pedal is pressed hard enough to activate the anti-lock function (pressure hard enough to cause normal brakes to lock up), the driver can feel ABS II pulsing.

The result: (1) A system that prevents flat spotting of tires, while helping assure smooth stops in most types of road conditions. (2) A system that prevents wheel lockup. (3) A system that provides improved braking control even with one wheel on a soft shoulder and the other on firm pavement.

The application of advanced technology has advanced the sports car art to a new level. And the Corvette driver is rewarded with an automobile both responsive and reassuring.

# STANDARD FEATURES

The features that make Corvette one of the world's most completely equipped sports cars include:

## CLOTH BUCKET SEATS

The reclining high-back cloth bucket seats are contoured to provide the feeling of individualized fit and comfort. Other interior features include a leather-wrapped steering wheel, dual rear lockable storage compartments (Coupe only) and lighted visor vanity mirror.



Deeply contoured bucket seats feature adjustable backrests.

## ANTI-LOCK BRAKES

Corvette's standard Bosch ABS II anti-lock brake system uses an electronic sensor to monitor rates of wheel rotation during braking. If a wheel approaches lockup, the control unit releases braking pressure briefly, then reapplies it when traction is regained. Also standard: 4-wheel power disc brakes.

## ANTI-THEFT FEATURES

Pass Key is an important Corvette anti-theft feature. The core of the sophisticated Pass Key ignition key system is a special module with a resistor decoder and an ignition key with a pellet of specified resistance.

An anti-theft horn alarm circuit and starter interrupt are also standard on every 1988 Corvette.



Pass Key is one component of Corvette's comprehensive anti-theft package.

## AM/FM STEREO RADIO WITH CASSETTE TAPE PLAYER\*

This Delco electronically tuned AM/FM stereo music system features Seek and Scan, cassette tape player, digital clock and power antenna.

\*May be deleted for credit.



Electronic speed control.

## ELECTRONIC SPEED CONTROL

Electronic speed control includes a convenient resume-speed feature and a speed adjustment that allows you to change your speed in precise 1-MPH intervals.

## REMOVABLE ROOF PANEL

(Coupe)

The removable one-piece roof panel combines the security of a closed car with the exhilarating effects of an open roadster. There is no T-bar. The roof is removed using a ratchet wrench designed for this application. The panel may then be stored behind in the cargo area in a lockdown position.

## AIR CONDITIONING

This powerful air conditioning system offers improved cooling capacity for 1988.

## GOODYEAR ZR50 TIRES

The standard wheel and tire combination features new P255/50ZR-16 Goodyear unidirectional steel-belted radial tires mounted on new 16" aluminum alloy wheels with functional turbine-blade design and anti-theft nuts.

## CORVETTE NEWS

This bimonthly publication keeps owners up to date on their favorite sports car. A three-year complimentary subscription goes to every Corvette buyer.

## ADDITIONAL STANDARD FEATURES

Power Team/Chassis/Mechanical

- Aluminum intake plenum, tuned crossover runner manifold
- Choice of automatic transmission with overdrive fourth gear or 4-speed manual with an electronic overdrive feature in 2nd, 3rd and 4th gear
- Center high-mounted stop lamp
- Computer Command Control
- Delco Freedom Plus II battery with sealed side terminals
- Electric engine coolant fan



Air conditioning is standard on every Corvette.



Corvette Coupe features a standard removable roof panel.

- Electric in-tank fuel pump
- Exclusive transverse front and rear springs with monoleaf glass-epoxy construction
- 5.7 Liter V8 engine with TPI (Tuned-Port Fuel Injection) and aluminum cylinder heads
- Forged aluminum front and rear suspension arms
- Fully independent four-wheel suspension
- High Energy Ignition system
- Hydraulic roller valve lifters and exhaust valve rotators
- Limited-slip differential
- Magnesium engine valve covers
- New 16" cast alloy aluminum wheels, steel compact spare
- Poly-vee single-belt engine-accessory drive belt
- Power rack-and-pinion steering
- Side-lift jack
- Stainless steel exhaust manifolds and free-flow mufflers
- Sturdy uniframe body structure 100% galvanized and dip-painted.

#### EXTERIOR

- Automatic power antenna
- Body-color front and rear soft facia with integral front air dam
- Concealed wipers with integral washers in wiper arms
- Corrosion-resistant fiberglass body panels
- Designed-in body-side molding
- Dual electric remote-controlled Sport mirrors
- Dual quartz-halogen fog lamps in grille opening
- Energy-absorbing bumper systems
- Frameless rear hatch glass with three remote releases (Coupe)
- Front cornering lamps; rear cornering lamps
- Front fender louvers
- Full-tilting clamshell-type hood
- Power-operated quartz-halogen retractable headlamps
- Tinted and flush-mounted glass.

**New 16" cast-aluminum wheels and Goodyear Eagle ZR-rated tires. These tires were designed specifically for Corvette. They are also "unidirectional." Once mounted, each wheel/tire combination is specific to one side of the car, just like the most sophisticated racing cars.**



#### INTERIOR

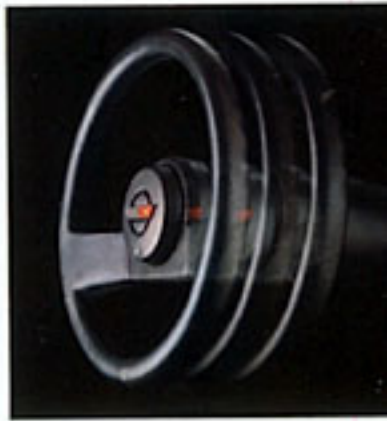
- Acoustical insulation package
- Air conditioning
- Center console with shifter, coin tray, cigarette lighter and ashtray; plus controls for power window, radio, air conditioning controls and electric mirror controls
- Day/night rearview mirror with integral map lamps
- Deep-twist floor carpeting and stowage area carpet
- Driver information system which provides average MPG and cruising range in digital readouts
- Electronic speed control
- AM/FM Electronically Tuned Receiver (ETR™) stereo radio\* with Seek and Scan, digital clock and four speakers
- Headlamps-on reminder
- High-intensity interior lamps
- Illuminated RH visor vanity mirror
- Intermittent windshield wipers
- Leather-wrapped steering wheel
- Luggage compartment concealment roller shade (Coupe)
- Manual inside hood release
- Power door locks
- Power windows

- Rear underfloor storage compartments (two) (Coupe)
- Side window defogger
- Soft-padded and carpeted door panels
- Tilt-Telescopic steering wheel
- Twin underhood lamps
- Ultracontemporary instrument panel featuring electronic liquid-crystal instrumentation with multi-colored analog and digital display. Readouts include: speedometer, 6000-RPM tachometer, fuel level, oil pressure, oil temperature, voltmeter. Conventional readouts for odometer, turn signals and high-beam headlamps
- Underdash courtesy lamps.

\*May be deleted for credit.



Tilt-Telescopic steering wheel adjusts to your driving style.



# COLORS

Corvette exterior colors are carefully chosen and painstakingly applied in one of the industry's most advanced paint operations. The entire paint operation is contained in a dust-free clean-room environment in which air pressure is maintained positive to keep foreign airborne contaminants out. Base-coat/clear-coat enamels are applied in a fully automated four-step process that results in vibrant finishes that display a deep, penetrating shine. Many of these colors, including Corvette Red and Corvette Silver, are unique to Corvette.



Black



Gray Metallic



White



Medium Blue Metallic



Bright Red



Yellow



Dark Blue Metallic



Dark Red Metallic



Charcoal Metallic



Silver Metallic

## INTERIOR COLORS

	Standard Cloth Seat	Optional Leather Seat	Optional Leather Sport Seat
Blue		X	X
Black	X	X	X
Gray		X	X
Red		X	X
Saddle	X	X	X

## INTERIOR/EXTERIOR COLORS

Exterior Colors	Interior Colors				
	Blue	Black	Gray	Red	Saddle
Black		R	R	R	R
Blue, Corvette Med. (Met.)	R	R			
Blue, Corvette Dk. (Met.)	R	R			R
Charcoal, Corvette (Met.)			R		A
Gray, Corvette (Met.)		R	R		
Red, Corvette Bright		R	R	R	R
Red, Corvette Dk. (Met.)		R		R	A
Silver, Corvette (Met.)		R	R	R	
White, Corvette	A	A	R	R	R
Yellow		R			A

R Recommended. A Acceptable.

## STANDARD RECLINING SEAT

The standard reclining bucket seat is designed to be both supportive and comfortable. Choose from rich cloth trim in a choice of Black or Saddle.



## OPTIONAL LEATHER SEAT

Optional leather trim adds even more luxury to Corvette's ergonomically correct seating.

## OPTIONAL LEATHER SPORT SEAT

Corvette's optional adjustable Sport bucket seat is available with leather only. Both driver and passenger seats feature full lumbar power adjustment (requires two additional options: power six-way driver and passenger seat adjustment).



# TECHNICAL DATA

## ENGINE

5.7 Liter (350 Cu. In.) V8 with Tuned-Port Fuel Injection  
Block: Cast iron alloy  
Pistons: Impacted cast aluminum  
Camshaft: Steel  
Valve Lifters: Roller-type  
Bore: 4.00" Stroke: 3.48"  
Horsepower: 245 net @ 4300 RPM\*

Torque: 340 lb.-ft. @ 3200 RPM\*  
Recommended Fuel: Unleaded premium

Fuel Anti-Knock Index (R+M): 93  
2

Oil Filter System: Full flow  
Crankcase Capacity (qt.): 4 (less filter)

Air Cleaner Type: Replaceable paper element, outside-air pickup for cool, dense cylinder charge  
Fuel Pump: Electric (in tank)

Fuel Tank Capacity (in gals.): 20

## TRANSMISSIONS

Standard 4-speed automatic with overdrive and high-stall torque converter.

## RATIOS:

1st: 3.06 to 1

2nd: 1.63 to 1

3rd: 1.00 to 1

4th: 0.70 to 1

No-cost-option 4-speed manual with computer-controlled overdrive in 2nd, 3rd and 4th gears.

## AXLE RATIOS

Automatic: 2.59:1 (std. Coupe, 2.73 std. Conv.); 3.07:1 (opt.)

Manual: 3.07:1 (std.)

## SUSPENSION—GENERAL

**SHOCK ABSORBERS** (front and rear)

**TYPE:** Base—Direct, double-acting hydraulic with pliacell expansion bags; deflected-disc. (std. on Convertible)  
Optional—Gas pressurized.

**MAKE:** Base—Delco  
Optional—Delco/Bilstein

## SUSPENSION—FRONT

**TYPE AND DESCRIPTION**

Independent, forged aluminum upper and lower control arms and steering knuckle, transverse mono-leaf spring and steel stabilizer, spindle offset.

**Spring Type and Material:** Mono-leaf, filament-wound glass-epoxy composite.

## SUSPENSION—REAR

**TYPE AND DESCRIPTION**

Independent 5-link design with toe and camber adjustment, forged aluminum control arms, knuckles and struts; transverse mono-leaf spring steel tie-rods and stabilizer. Tubular U-jointed drive shafts.

**Spring Type and Material:** Mono-leaf, filament-wound glass-epoxy composite.

## BRAKES

**DESCRIPTION**

Aluminum caliper with nodular iron reaction bracket; pad reaction through bracket. Self-adjusting.

## TYPE

Front: Disc with sliding-head caliper, low drag.

Rear: Disc with sliding-head caliper, low drag.

**Special Valving:** Proportioning—integral with master cylinder.  
**Power Brakes:** Standard.

**Anti-Lock Braking System:** Electronic 4-wheel, 3-channel (standard).

**Effective Area cm<sup>2</sup> (in<sup>2</sup>):** 174.0 (27.0) front; 117.9 (18.3) rear.

**Gross Lining Area cm<sup>2</sup> (in<sup>2</sup>):** 174.0 (27.0) front; 117.9 (18.3) rear.

**Swept Area cm<sup>2</sup> (in<sup>2</sup>):** 622 (96.4) front; 565 (87.5) rear.

**Rotors, Outer Diameter:** 11.5"

## TIRES AND WHEELS—STANDARD

### TIRES

**Size (load range, ply):** P255/50ZR-16 B/W.

**Type:** High-speed steel-belted radial Eagle ZR50 unidirectional (Goodyear).

**Inflation Pressure (cold) for Maximum Vehicle Load:** 35 front and rear (PSI).

### WHEELS

**Type and Material:** Left-right aluminum alloy road wheels with specific vent design.

**Rim (size and flange type):** 16 x 8.5 front; 16 x 8.5 rear.

### ATTACHMENT

**Type (bolt or stud):** Stud.

**Number and Size:** Five hex nuts, one anti-theft.

**Spare:** T155/80D-16, 16 x 4 steel wheel.

**Position:** Horizontal under fuel tank.

**TIRES AND WHEELS (optional Z51 and Z52 Handling Packages)**  
**Size (load range, ply):** P275/40ZR-17 B/W.

**Type:** High-speed steel-belted radial Eagle ZR40 unidirectional (Goodyear).

**Wheel (type and material):** Left-right aluminum alloy road wheels with specific vent design.

**Rim (size and flange type):** 17 x 9.5 front; 17 x 9.5 rear.\*

**Spare Tire and Wheel:** T155/70D-17 (aluminum 17 x 4 wheel with Power Seat Options RPO AC1 and AC3).

### STEERING

**Power:** Standard.

**Adjustable Steering Wheel (Standard)** Black-leather-wrapped two-spoke steering wheel; Tilt-Telescopic.

**Turning Diameter:** 40.4 ft.

**Steering Type:** Alloy rack-and-pinion.

**Overall Ratio:** 15.6:1 base; 13.0:1 Z51 and Z52 Handling Packages.

## ELECTRICAL—SUPPLY SYSTEM

### BATTERY

**Make:** Delco

**Model:** 75-630

**Voltage:** 12 volts

**Amps at 0°F Cold Crank:** 630 cold-cranking amps (CCA)

**Minutes, Reserve Capacity:** 90

**Location:** Engine compartment directly behind left wheel opening.

### ALTERNATOR

**Type and Rating:** 105 amps

**ELECTRICAL—Starting System**

### STARTER MOTOR

**Current Drain at 0°F:** 350 amps.

**ELECTRICAL—Ignition System**

**Type:** High Energy Ignition.

**Coil:** Integral with distributor.

### SPARK PLUG

**Make:** AC

**Model:** FR5LS

**Gap:** .89mm (0.035 in.)

## BODY

### STRUCTURE

Integral perimeter-frame birdcage forms unitized body structure.

### ANTI-CORROSION TREATMENT

All-encompassing corrosion protection including extensive use of aluminum; galvanization; use of specially treated fasteners; austenitic stainless steel or specially coated brackets, clamps, clips and braces; use of aluminized steel.

### MISCELLANEOUS

#### INFORMATION

**Type of Finish:** High-solids acrylic enamel with final clear coat.

### HOOD

**Hinge Location:** Front.

**Hatch Type:** Hinged clamshell hood.

**Hatchback Lid:** Dual gas struts, electric release (each door and console glove box).

## FRAME

All-welded steel-body-frame construction, 100% galvanized.

## DIMENSIONS AND WEIGHTS

### EXTERIOR

**Width:** 71.0"

**Front Tread:** 59.6"

**Rear Tread:** 60.4"

**Wheelbase:** 96.2"

**Overall Length:** 176.5"

**Height:** 46.7" (46.4" Conv.)

**Minimum Ground Clearance:** 4.7"

### INTERIOR

**Head Room:** 36.4" (36.5 Conv.)

**Leg Room:** 42.6"

**Shoulder Room:** 54.1"

**Hip Room:** 49.3"

**Cargo Volume:** 29 cu. ft. (6.6 cu. ft. Conv.)

**Curb Weight:** 4-speed manual: 3,233 lbs., (3,294 lbs. Conv.)

**Automatic:** 3,237 lbs. (3,298 lbs. Conv.)

\*240 HP at 4000 RPM and 335 ft.-lbs. torque at 3200 RPM on Coupe with 2.59 axle and all Convertibles.

\*Tire chains should not be used with 39-inch rear wheels because they may cause damage to this vehicle.

# OPTIONAL EQUIPMENT

In keeping with tradition, the 1988 Corvette may be tailored to your exact tastes and requirements. First, choose Coupe or Convertible. Then select the optional equipment you desire from the following list. It's as simple as that.

## LEATHER SPORT SEATS

The Sport seat features leather seating surfaces and power adjustments of upper side bolsters, lumbar support and back-angle adjustment. See page 24 for further information.



Leather-trimmed Sport bucket seats feature a multitude of adjustments for precise comfort.

## ELECTRONIC AIR CONDITIONING

This electronic control system features easy-to-use, color-coded push buttons and a digital temperature adjuster. Once set, the temperature is automatically maintained. An optional display registers outside air temperature.



Electronic air conditioning allows exact digital temperature control.

## Z51 PERFORMANCE HANDLING PACKAGE

One of the reasons for Corvette's winning record in SCCA sanctioned showroom-stock racing is the track-tested capability of the Z51 Performance Handling Package. Z51 equipment includes:

- 17" x 9 1/4" cast-aluminum wheels with P275/40ZR-17 Goodyear Eagle tires\*
- Heavy-duty front and rear springs and stabilizer bars.
- Delco/Bilstein gas-charged shock absorbers.
- Heavy-duty brakes.
- Radiator boost cooling fan.
- Fast-ratio steering gear (13:1)
- 3.07:1 rear axle ratio.
- 8 1/2-inch ring gear.
- Engine oil cooler.
- Power steering cooler.

The Z51 Performance Handling Package is available on Corvette Coupe with manual transmission only. Recommended for specialized use, as you may consider the ride too harsh for everyday use.



## Z52 SPORT HANDLING PACKAGE

For the serious enthusiast, the Z52 package includes:

- 17" x 9 1/4" cast-aluminum wheels with P275/40ZR-17 Goodyear Eagle tires.\*
- Delco/Bilstein gas-charged shock absorbers.
- Fast-ratio steering gear (13:1).
- Engine oil cooler.
- Heavy-duty radiator.
- Radiator boost cooling fan.
- Reinforced front body structure.

The Z52 Sport Handling Package is available on both Coupe and Convertible models.

\*Tire chains should not be used on Corvettes with P275/40ZR17 tires because they may cause damage to this vehicle.

Both Z51 and Z52 handling packages feature new 17" cast-aluminum wheels and new P275/40ZR-17 Goodyear Eagle unidirectional tires.\*

## ADDITIONAL OPTIONAL EQUIPMENT

- Axle: Performance Ratio (automatic transmission only)
- Defogger System. Includes rear window defogger and heated outside rearview mirrors (Coupe only)
- Engine Oil Cooler
- Heated Outside Rearview Mirrors (Conv. only)
- Mirror, Driver's Side (illuminated visor vanity)
- Radiator Cooling Boost Fan
- Radiator, Heavy-Duty
- Roof Panel: (Coupe only) Blue Tint, Transparent Lift-Off Bronze Tint, Transparent Lift-Off Dual Removable (transparent and fiberglass)
- Seat Equipment:
  - Leather-Trimmed Reclining Bucket Seat with Integral Head Restraint, Power, Six-Way, Driver Side Seat, Power, Six-Way, Passenger Side (requires power driver's seat)

**DELCO/BOSE  
FOR MUSIC TUNED TO YOUR  
CORVETTE**

The Delco/Bose stereo, available as a factory option on both 1988 Corvette Coupe and Convertible models, offers sound so real that it's been rated by experts as one of the best stereo systems available in a production automobile. Delco/Bose performance rivals the most expensive home stereos, because it is tailored exactly to

the acoustics of Corvette.

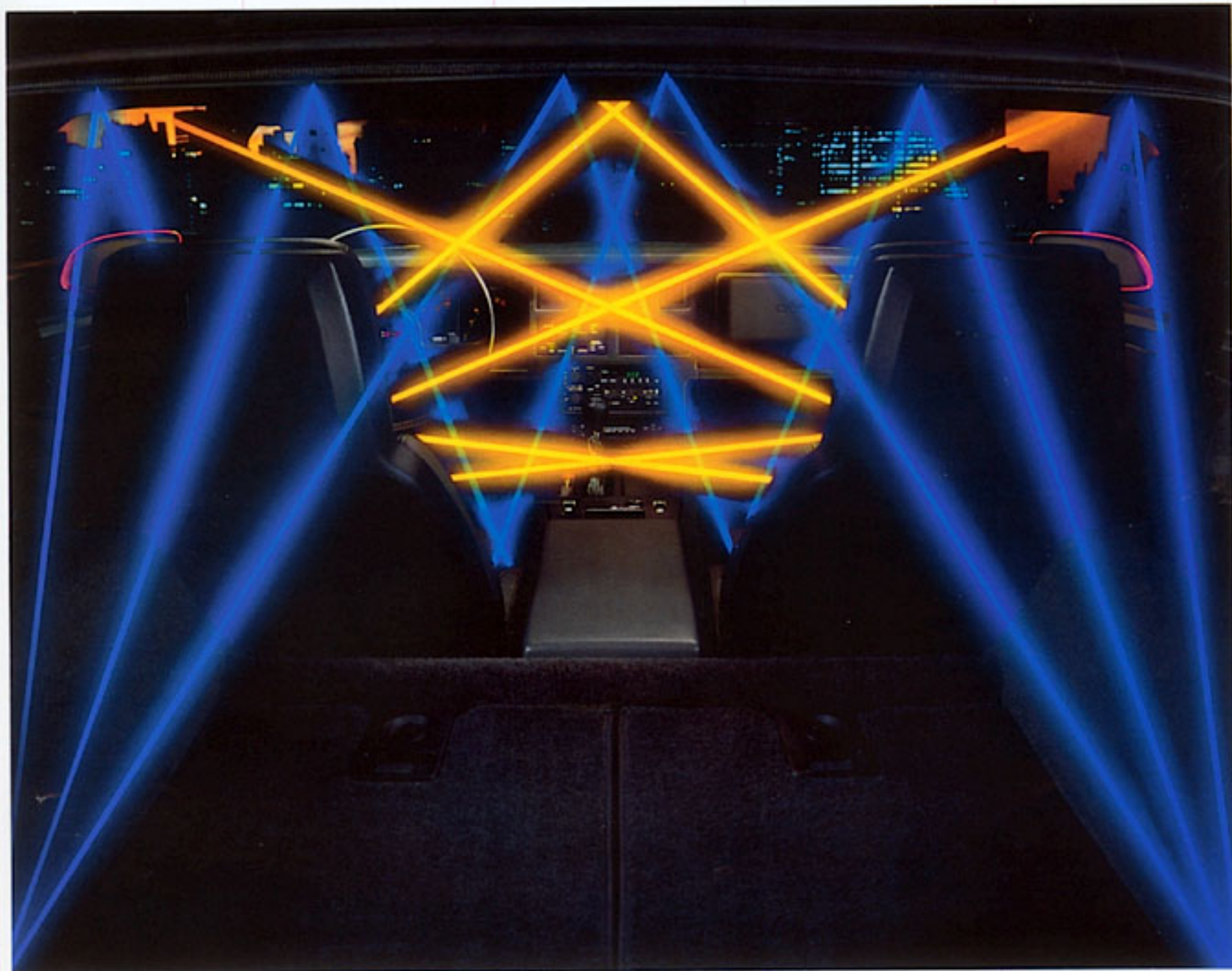
The Delco/Bose Music System is composed of a receiver and four bass reflex amplifier/speaker enclosures engineered specifically for window placement, angle and density of glass, seating position and cockpit configuration. Even the textural composition of the upholstery and carpeting was considered. Each speaker has its own built-in equalizer network.

Other features of the system

include: AM/FM stereo reception with automatic adjustment. Circuits that adjust reception, assuring maximum sensitivity to weak stations without danger of overload on strong signals. Electronic tuning with Seek and Scan features. Seek button that changes stations electronically. Scan button that automatically samples all clear radio signals for five seconds each. Digital VF (Vacuum Fluorescent) readouts of

time or radio frequency. Dynamic Noise Reduction (DNR™) and Dolby® Sound Noise Reduction to reduce high-frequency "hiss" on AM, FM and cassette tape. Integral tape player with auto-reverse and music search features. Also included: 100 watts of power. Four separate speaker enclosures. Separate treble and bass controls. Computer-balanced, wraparound sound.

"Dolby" is a registered trademark of Dolby Laboratories.



The acclaimed Delco/Bose music system adds fabulous concert-hall sound to the 1988 Corvette.

#### SAFETY FEATURES

##### OCCUPANT PROTECTION

- Manual lap/shoulder safety belts for driver and right front passenger, driver side includes visual and audible warning system
- Energy-absorbing steering column
- Energy-absorbing instrument panel
- Laminated safety windshield glass
- Safety interlocking door latches
- Side-guard door beam
- Passenger-guard inside door lock handles
- Safety armrests
- Head restraints, driver and right front passenger (adjustable).

#### ACCIDENT AVOIDANCE

- Side marker lights and reflectors
- Parking lamps that illuminate with headlamps
- Four-way hazard warning flasher
- Backup lights
- Center high-mounted stop lamp
- Directional signal control with lane-change feature
- Windshield defroster, washer and pulse-type wipers
- Inside rearview mirror
- Outside left and right rearview mirrors
- Brake system with dual master cylinder and warning light
- Starter safety switch
- Low-glare finish on inside windshield moldings, wiper arms and blades, metallic steering wheel surfaces
- Illuminated heater and defroster controls
- Illuminated wiper controls on driver's door
- Tires with built-in tread wear indicators.

#### THEFT DETERRENCE

- Audible reminder for ignition key removal
- Theft-deterrent steering column lock
- Visible vehicle identification number
- Pass Key vehicle anti-theft system
- Audio alarm system with starter-interrupt feature
- Locking roof panel with theft-deterrent mount (Coupe only)
- Theft-deterrent wheel lugs.

#### IMPORTANT: A WORD ABOUT THIS CATALOG

We have tried to make this catalog as comprehensive and factual as possible. However, since the time of printing, some of the information may have been updated. Also, some of the equipment shown or described throughout this catalog is available at extra cost. Your dealer has details and, before ordering, you should ask him to bring you up to date. The right is reserved to make changes at any time, without notice, in prices, colors, materials, equipment, specifications and models. Check with your Chevrolet dealer for complete information.

#### CHEVROLET'S BEST PROTECTION PLAN EVER

A 6-year/60,000-mile warranty demonstrates the confidence Chevrolet has in Corvette quality. This new limited warranty covers powertrains for 6 years/60,000 miles and includes 6-year/100,000-mile rust-through protection. See your Chevrolet dealer for the terms and conditions of this limited warranty.

The 1988 Corvette is designed and built to resist corrosion. Application of additional rust-proofing is neither necessary nor required.

#### GM PROTECTION PLAN

The GM Protection Plan offers service protection in addition to that provided by GM's new-vehicle limited warranty. Ask your dealer about it. Coverage available only in U.S. and Canada.

#### A WORD ABOUT ASSEMBLY, COMPONENTS AND OPTIONAL EQUIPMENT IN THIS CHEVROLET

The Chevrolet described in this catalog is assembled at a facility operated by General Motors. The vehicle incorporates thousands of different components produced by car groups and by various component divisions of General Motors and by various suppliers worldwide to General Motors. From time to time during the manufacturing process, it may be necessary, in order to meet public demand for particular vehicles or equipment, or to meet federally mandated emissions, safety and fuel economy requirements, or for other reasons, to produce Chevrolet products with different components or differently sourced components than initially scheduled. All such components have been approved for use in Chevrolet products and will provide the quality performance associated with the Chevrolet name.

With respect to extra-cost optional equipment, make certain you specify the type of equipment you desire on your vehicle when ordering it from your dealer. Some options may be unavailable when your car is built. Your dealer receives advice regarding current availability of options. You may ask the dealer for this information. GM also requests the dealer to advise you if an option you ordered is unavailable. We suggest that you verify that your car includes the optional equipment you ordered or, if there are changes, that they are acceptable to you.

#### A WORD ABOUT ENGINES

Chevrolets are equipped with engines produced by GM or suppliers to GM worldwide.

#### A WORD ABOUT UPDATED SERVICE INFORMATION

Chevrolet regularly sends its dealers useful service bulletins about Chevrolet products. Chevrolet monitors product performance in the field. We then prepare bulletins for servicing our products better. Now you can get these bulletins, too. Ask your dealer. To get ordering information, call toll-free 1-800-551-4123.

#### MORE DEALERS TO SERVE YOU

With nearly 5,000 servicing dealers nationwide, Chevrolet offers a more extensive parts/service network than any other automaker.

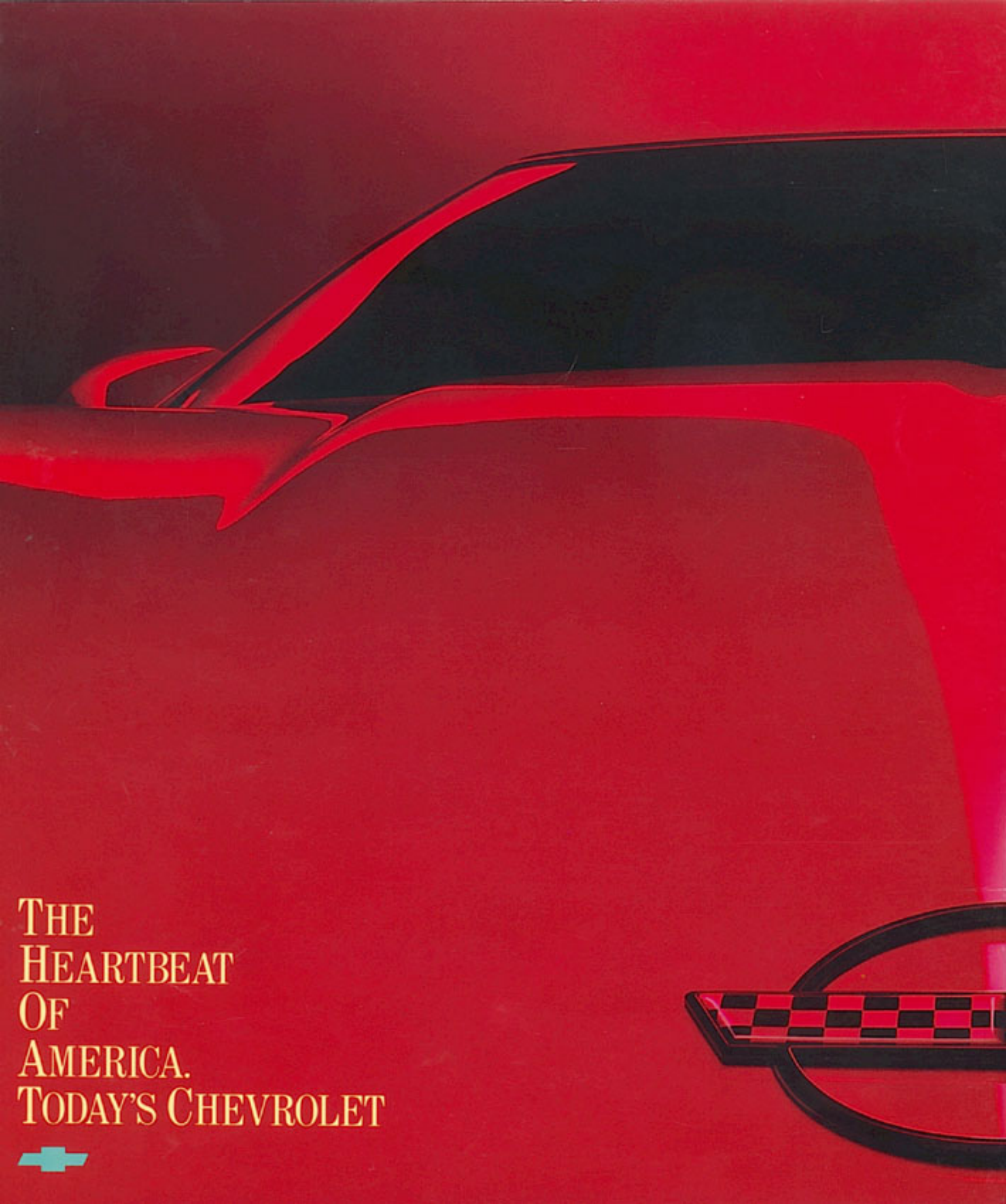
At your Chevy dealer's, financing or leasing your new Corvette can be as easy as saying GMAC.

Let's get it together... buckle up.









THE  
HEARTBEAT  
OF  
AMERICA.  
TODAY'S CHEVROLET

