

c o r v e t t e

CHEVROLET CAR

1982
#3 c.1

STANLEY F. FAYALD CO.
NOV 24 1981
REFERENCE CENTER



If you're of a certain frame of reference, shall we say, you probably remember the way it was way back there in the mists of antiquity, twenty-nine years ago.

There was this American 2-seater. It had a top that

folded away clear out of sight, wire mesh headlight covers and a drive train featuring an overhead valve straight six, three 1-bbl. carbs and an automatic transmission.

It came in white, mostly, with red interior, and the Corvette engineering team decided to label it a sports

car. It sure didn't look like one of those things from Europe, though.

The buff book critics felt that maybe it was just too darn comfortable. They compared it with cars costing thousands more and assumed that it really didn't stand much of a

chance in the 24 Hours of Le Mans.

A year later, Chevy hired a Belgian engineer who shoehorned a small block V8 into the existing body and frame and then backed that with a 4-speed transmission.

You could have a lot of fun with one of those Corvettes, especially if the guy next to

you was driving a Jaguar XK120 Roadster or a 190SL Mercedes. And those cars, by golly, they *looked* European.

A few years later, along came a sleek apparition called a Stingray. A whole lot of amenities were provided. Windows winding up and down electrically, conditioned

air, pop-off hardtop. There was even a coupe version.

And if that wasn't enough to cause quite a stir at the time, folks really took notice when a 427-cubic-inch engine was introduced for the Stingray along with a stiff suspension, a larger fuel tank and a few other tidbits.

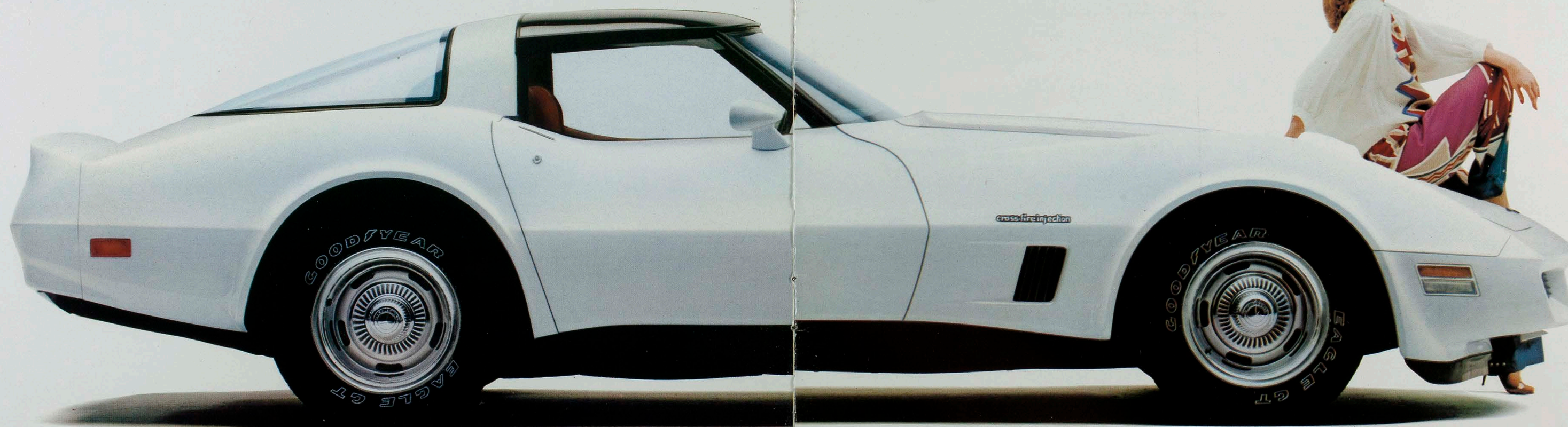
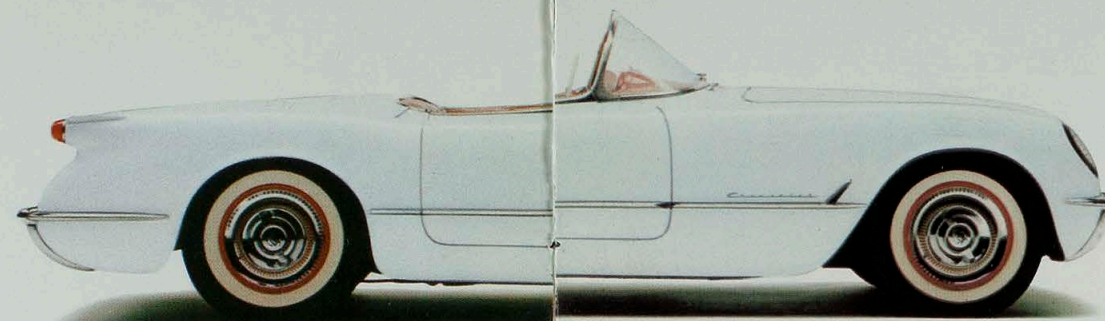
Terrific, satisfying years.

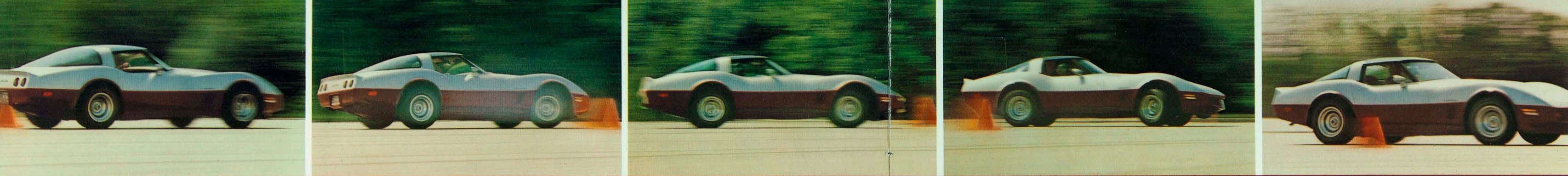
Those Corvettes didn't look European at all and neither does the current model. It's an exciting kind of 'Vette that's coming on now. And sure the buffs still compare it with cars costing two to three times as much, only now European cars look like it. Almost.

IMPORTANT: A WORD ABOUT THIS CATALOG. We have tried to make this catalog as comprehensive and factual as possible and we hope you find it helpful. However, since the time of printing, some of the information you will find here

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.





THIS IS AN ENTHUSIAST'S KIND OF CORVETTE, A MOST CIVILIZED ONE. STILL IT'S A 'VETTE WITH THE SASSY-SOULED GUSTO OF ITS PREDECESSORS.

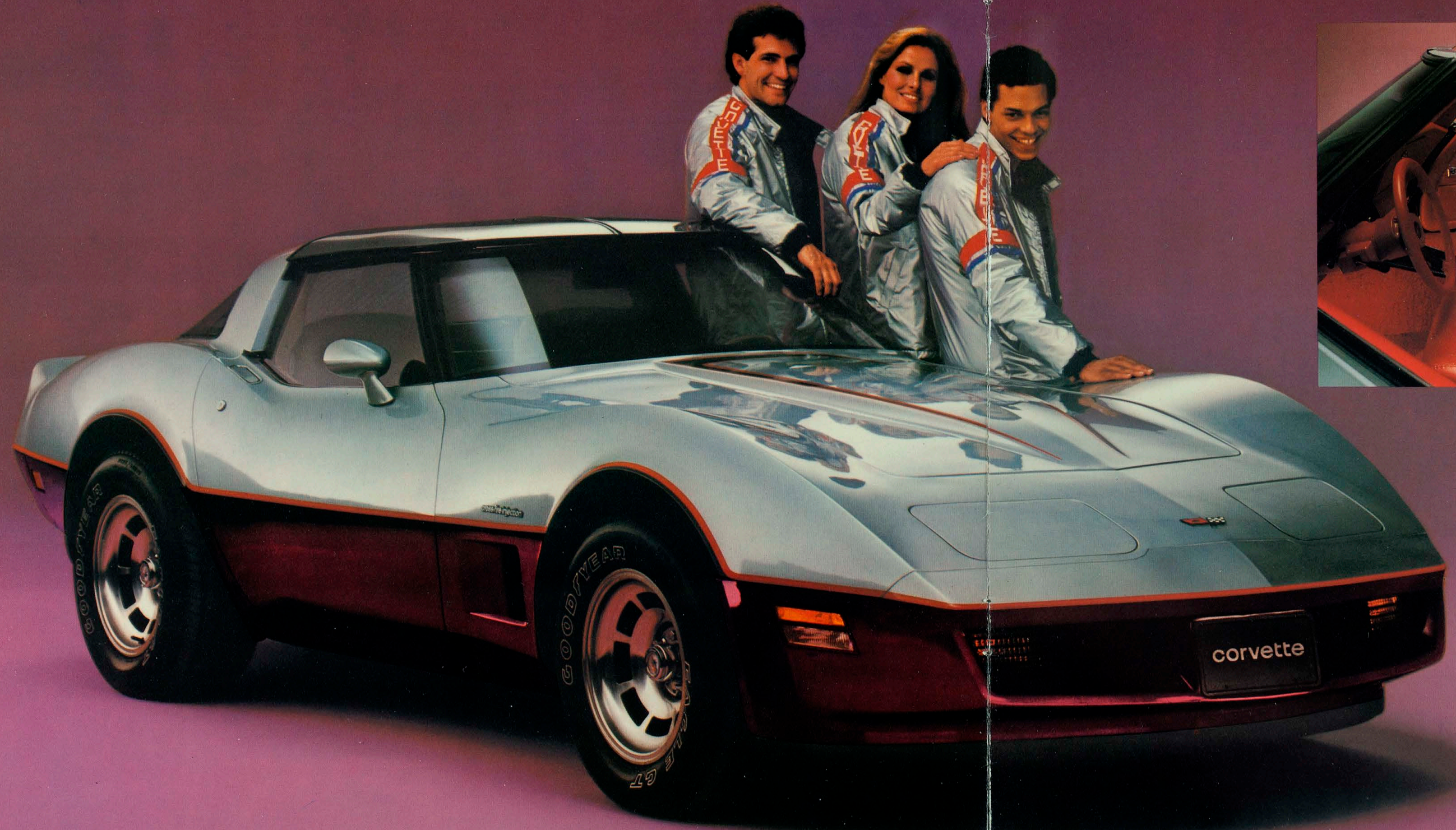
This is still the road-wise sports car that's always been capable of inhaling great chunks of 2-lane tarmac and leaving you exhilarated even after a long ride. It's still the time and space machine enthusiasts aspire to.

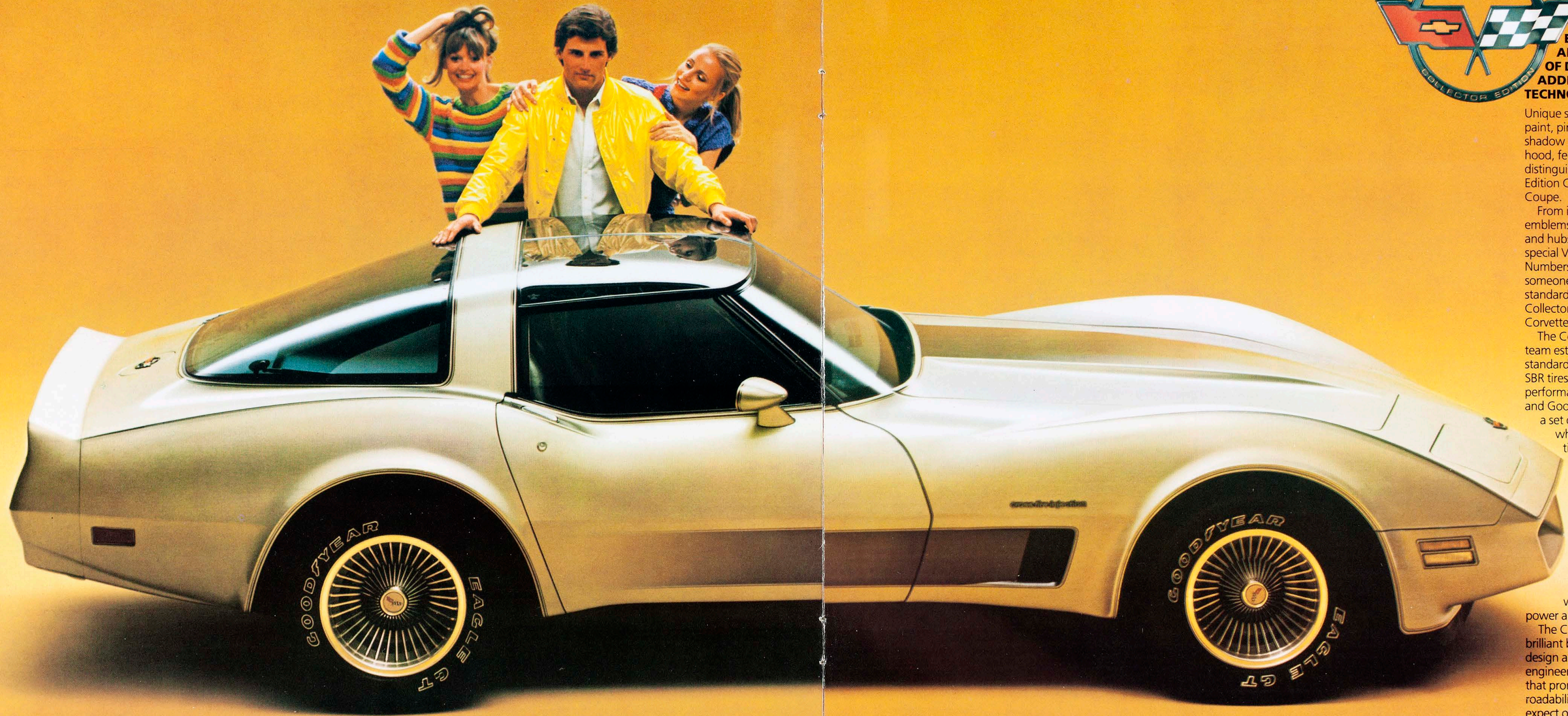
There's a new civility now, however—predicated in large part on two engineering advances: Cross-Fire Injection and a 4-speed automatic transmission with overdrive fourth gear.

There's also a space age standard of fit and finish that is rigidly imposed and then carefully checked by inspectors at a new 1-million-square-foot plant in Bowling Green, Kentucky.

That's the beauty of Corvette ownership. Satisfying in creature comfort, yet precision-built to flatten the straightaways and glue down the corners.

Model depicted has optional leather-faced bucket seats. Two-Tone paint with pin striping is optional, as are Goodyear Eagle GT tires, aluminum wheels, and removable glass roof panels.





**THE
"COLLECTOR
EDITION." AN
ADDED DILIGENCE
OF DESIGN AND
ADDITIONAL TIRE
TECHNOLOGY.**

Unique silver-beige metallic paint, pin stripes and fading shadow treatment on the hood, fenders and doors distinguish the 1982 Collector Edition Corvette Hatchback Coupe.

From its distinctive cloisonné emblems to its specific wheels and hubs and on through its special Vehicle Identification Numbers (to help prevent someone from building a standard model into a Collector Edition), this is the Corvette to covet.

The Corvette engineering team established tough standards for the P255/60R-15 SBR tires, in terms of performance characteristics, and Goodyear responded with a set of raised,

white-lettered Eagle GT tires, standard only on the Collector Edition.

As another plus, removable glass roof panels with special bronze color and solar screening allow you to take full enjoyment from a sunny driving situation. Rear

window defogger and power antenna are standard.

The Collector Edition is a brilliant blend of sophisticated design and advanced engineering, a combination that promises the kind of roadability you've come to expect of Corvette and an unexcelled sense of style.



A DISCIPLINED, ERGONOMIC ENVIRONMENT, BUT THERE'S A TANGIBLE LUXURY AND A HATCH THAT LIFTS TO THE AROMA OF FINE LEATHER.

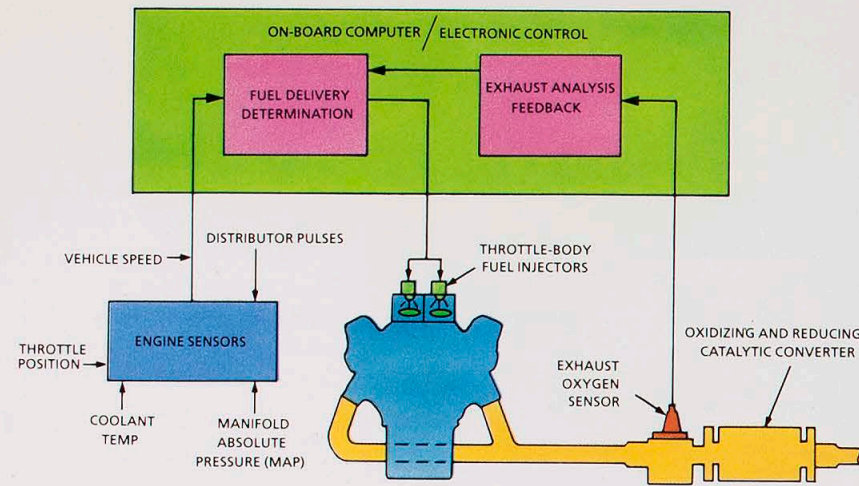
The Collector Edition interior—a driving environment that offers practical flourishes and considerate touches not always found in a 2-seater that is—frankly—still a rather spiffy hunk of road machinery.

And, now in the Collector Edition, a Corvette is available for the first time with a newly designed, fully lifting, frameless glass hatchback with remote release.

Inside? Matching silver-beige metallic interior with multi-tone leather seats and door trim. Standard, too, on the 1982 Collector Edition are the upgraded carpeting throughout and the theme-color, hand-sewn, leather-wrapped steering wheel that surrounds the leather-covered horn button which is surmounted by a cloisonné emblem. All this is framed by the deeply muted, dark beige console and instrument cluster trim plates.

That's what the 1982 Corvette Collector Edition is all about: an added dimension of interior and exterior refinements without sacrificing the more enjoyably reassuring aspects of driving one of the finest all-around 2-seaters in the world.

CROSS-FIRE INJECTION



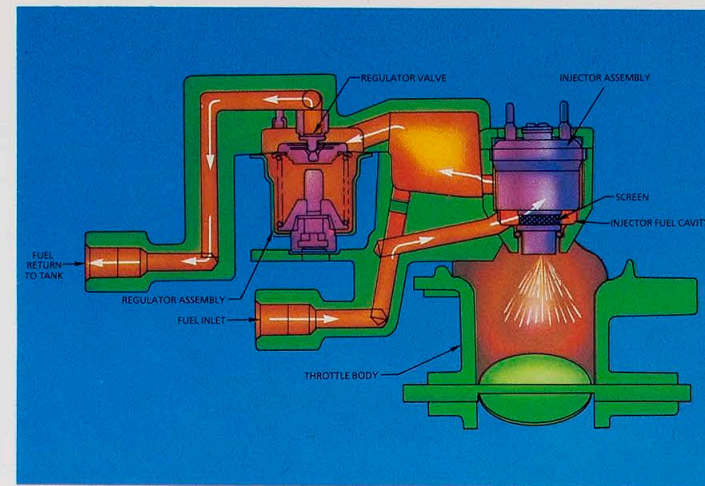
CROSS-FIRE INJECTION ADDS TO THE CORVETTE PERFORMANCE EQUATION.

There's something new under the hood and it's called Cross-Fire Injection with dual throttle-body fuel injectors. It's not like any carburetor you know, and it's not like most fuel-injection systems around. What it is, is one of the most modern fuel-injection systems to date. As part of the entire Corvette drive train, Cross-Fire Injection adds to overall improved acceleration for 1982. And Corvette's compression ratio is an

impressive 9.0 to 1.

How it works: Cross-Fire Injection is a completely electronic system which constantly monitors and adjusts the engine air/fuel ratio to ambient driving demands. A pressurized fuel supply system incorporates an in-tank electric fuel pump with high-flow capacity and an 11-psi fuel pressure regulator integral with one of the throttle-body fuel injectors. Fuel is sprayed in a

THROTTLE-BODY FUEL INJECTOR

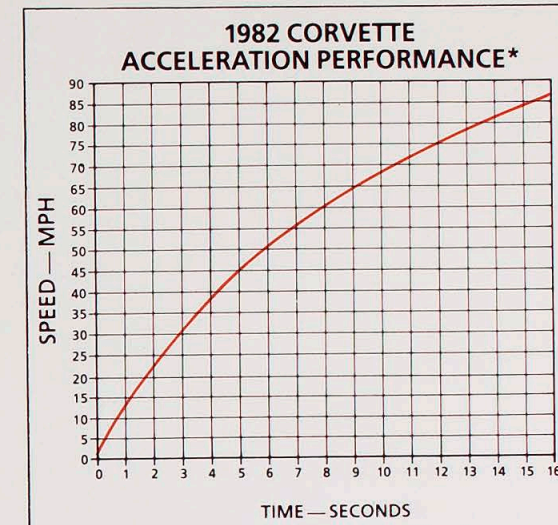


finely dispersed cone shape above the throttle blade in each of the dual-throttle bodies, resulting in improved mixture preparation. The amount of fuel required is calculated by the on-board electronic control module, based on engine sensor inputs of coolant temperature, manifold absolute pressure, engine speed and throttle blade positions, among others.

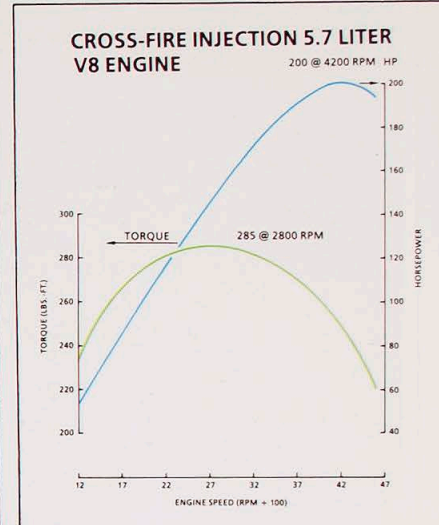
Simplified hardware eliminates mechanical choke, fuel metering components and idle speed controls and

their attendant adjustments. And electrical circuits are self-diagnostic for easy service.

Cross-Fire Injection is part of an interfacing component design, working with a low-back-pressure dual exhaust system, free-flowing monolith catalytic converter. In addition to the conventional snorkel, a new hood ducts outside air directly into the air cleaner during wide-open throttle operation through a solenoid-controlled door which opens on signal.



*Tested with 2.72 rear axle ratio.



CORVETTE POWER TEAM

Engine	Ordering Code	Displacement (cubic inches)	Engine Availability	Automatic Transmission
5.7 Liter Cross-Fire Injection V8 (A)	L83	350	Std.	Std.

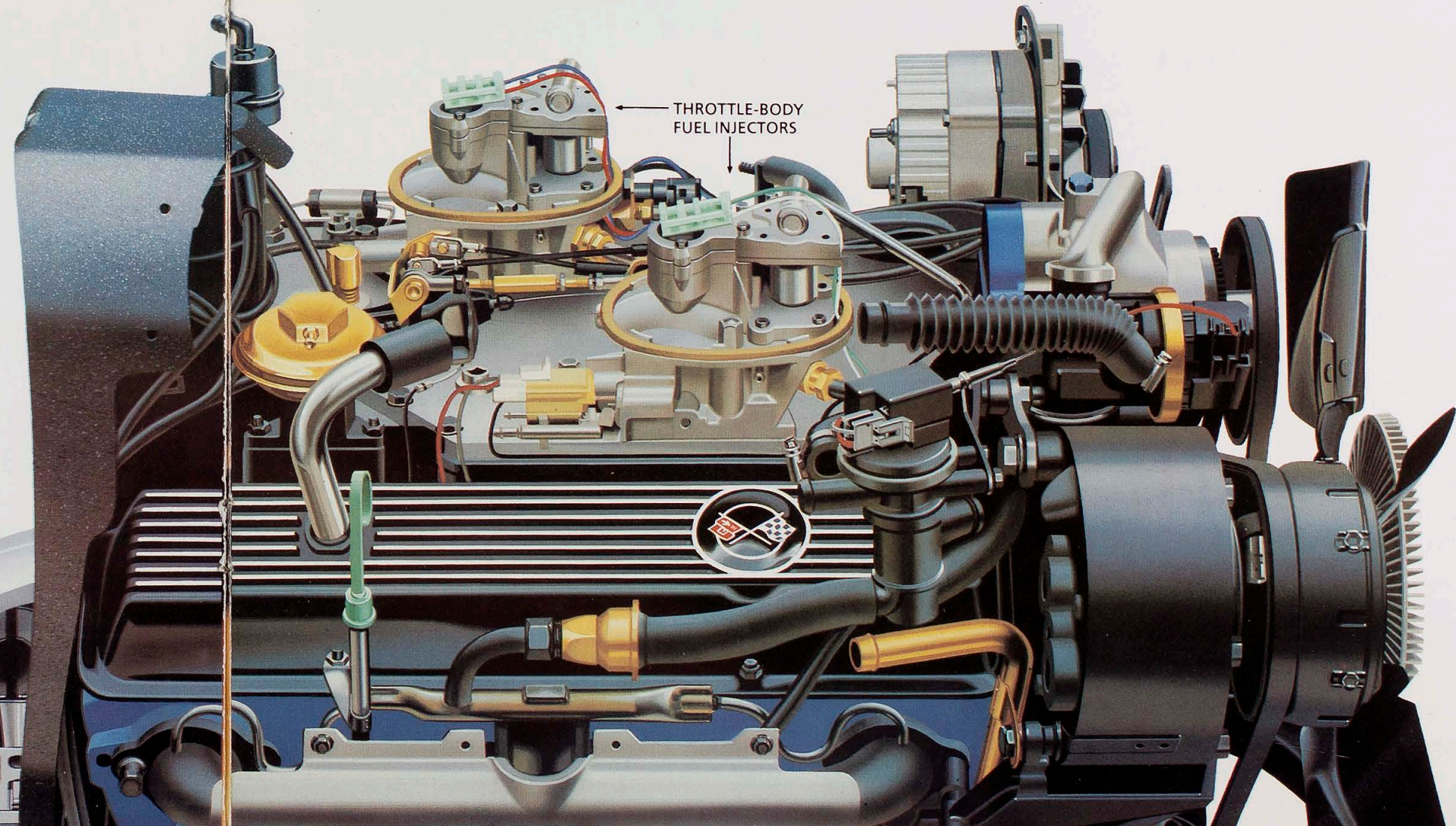
Std. — Standard

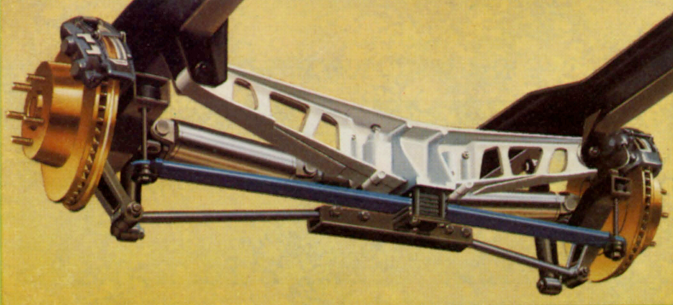
(A) Produced by GM—Chevrolet Motor Division

A WORD ABOUT ENGINES
Some Chevrolets are equipped with engines produced by other GM divisions, subsidiaries, or affiliated companies worldwide. See your dealer for details.

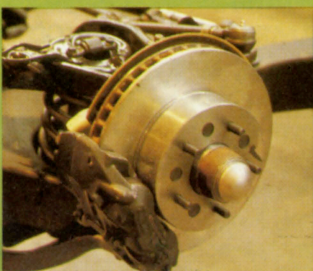
AXLE RATIOS

With standard wheels	2.72
With aluminum wheels	2.87



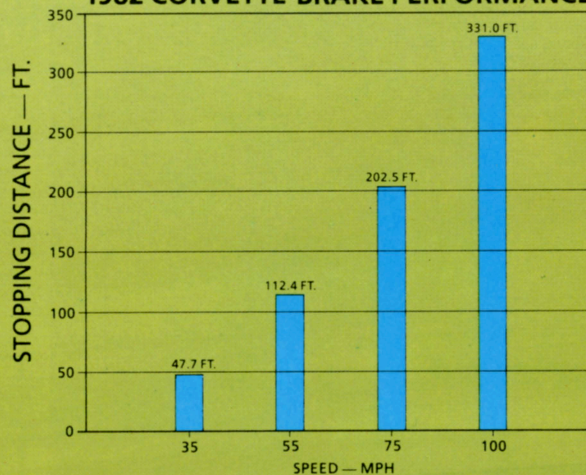


The world's first and only sophisticated filament-wound fiberglass-reinforced composite automotive spring now features new drive-shaft U-joint seals and splash shield for increased bearing life. U-joints are also larger and more durable. And this is still the lightest possible leaf spring application to be found in any automotive suspension. There is no interleaf friction. The spring supports the weight of the car that rests on the rear wheels and provides suspension compliance. Wheel position is controlled by a system of links and pivots.



Corvette's 4-wheel self-adjusting disc brakes are virtually fade free. They provide impressive stopping power. High deceleration rates for sustained brake applications under severe operating conditions are possible.

1982 CORVETTE BRAKE PERFORMANCE



Lateral Acceleration*

Maximum lateral acceleration was measured on a 108-ft. radius circle with car equipped with standard suspension, standard Goodyear P225/70R-15 tires and 2.72 rear axle with the following results:

Max. Lateral Acceleration-G.

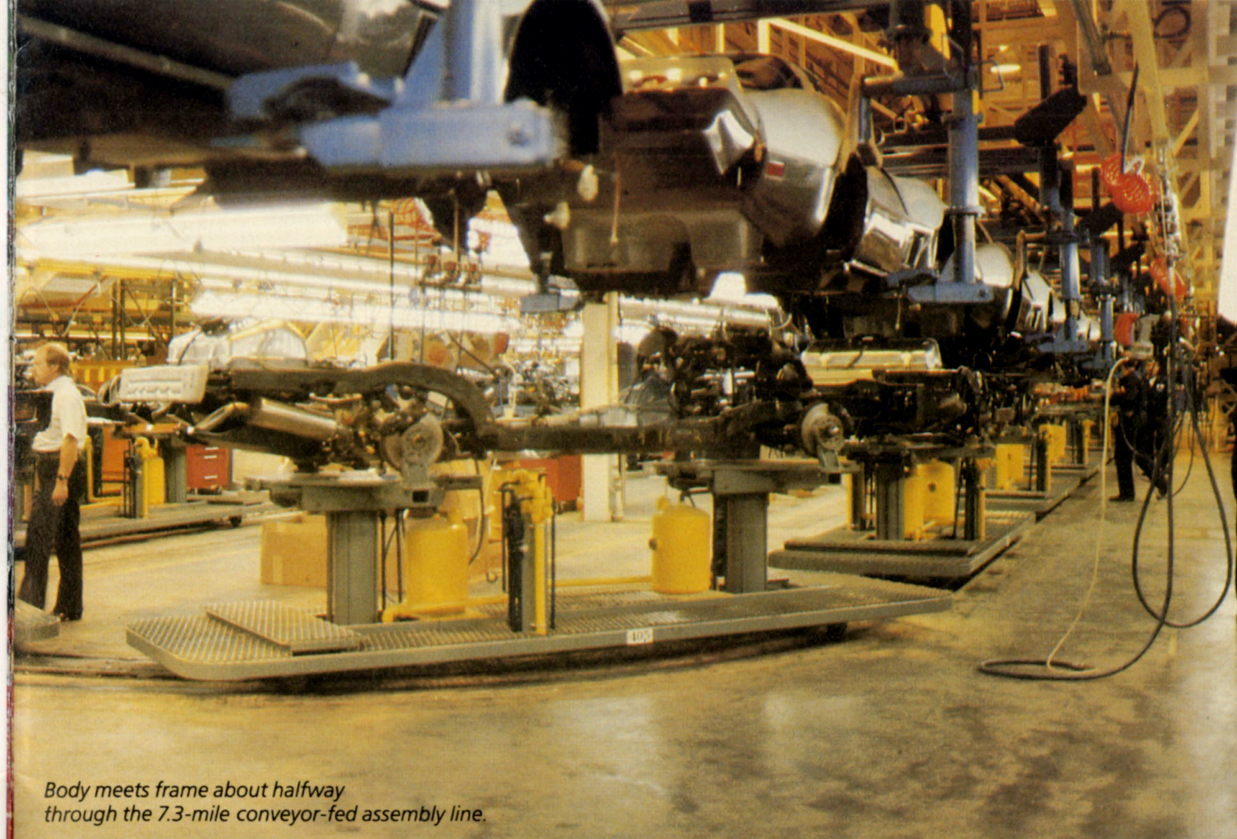
Left Turn	Right Turn	Average
.771	.739	.755

Car equipped with FE7 suspension, optimal Goodyear P255/60R-15 tires and 2.87 rear axle was measured on the 108-ft. radius circle at the following levels:

Max. Lateral Acceleration-G.

Left Turn	Right Turn	Average
.810	.769	.790

*Based on acceleration tests at GM Proving Grounds.



Body meets frame about halfway through the 7.3-mile conveyor-fed assembly line.

Worker applies base coat in a virtually dust-free, special paint section of the line.



After a final clear coat, the finish is hand-polished and imperfections noted and removed.



The first of six coats of color is applied to the body by spray gun specialists.



Inspectors rigidly enforce the quality of the paint.



THE NEW BOWLING GREEN PLANT IS THE NEWEST SPORTS CAR PRODUCTION FACILITY IN THE WORLD. THE RESULT IS A COMBINATION OF MODERN TECHNOLOGY AND QUALITY WORKMANSHIP.

Product pride. That's the operating philosophy of the new million-square-foot assembly plant in Bowling Green, Kentucky. And it shows in the new Corvettes now rolling off the lines. They represent the culmination of what we've learned about building America's favorite 2-seater over the years—as well as state-of-the-art manufacturing science of the new plant.

Attention to detail assures smooth operation of the plant. The dispatch room contains electronic sensors that measure operation of most of the systems. Inspection centers are built into the assembly flow throughout the plant—so the end product is a Corvette we can be proud of.

New technology is put to the test here. One dream that has become reality is a paint system that applies a clear coat over a larger-flake metallic base. Paint technicians are specially clothed, working in a sealed environment, to help guard against airborne particulates. The resultant paint finish usually scores a dazzling 95% on the "glossmeter." Not bad, considering a mirror registers 100%.

Pride is everywhere. The plant. The people. The product. A "quality first" philosophy means a first-quality Corvette for you.



Corvettes awaiting shipment to Chevrolet dealers.



STANDARD EQUIPMENT

ENGINE

Cross-Fire Injection 5.7 Liter (350 CID), front-mounted 90° V8 engine.

Low-back-pressure dual exhaust system.

Magnesium valve rocker covers.

Tubular stainless steel exhaust manifolds and free-flow mufflers.

Computer Command Control.

Hydraulic valve lifters and exhaust valve rotators.

Individual (dual) air cleaner elements and covers.

Sealed side terminal second-generation Delco Freedom II battery.

Low-drag engine primary cooling fan.

Auxiliary electric engine coolant fan.

Electric in-tank twin turbine fuel pump.

Delcotron 70-amp generator with built-in solid-state regulator.

High Energy Ignition system.

Black crinkle-finish air cleaner with dual snorkel-duct air inlet.

DRIVE TRAIN

4-speed automatic transmission with converter clutch feature in second, third and overdrive fourth gears.

Console-mounted shift lever with leather boot.

Limited-slip rear axle with aluminum differential housing and support.

ELECTRICAL

Power windows with console-mounted controls.

AM/FM push-button radio with dual front speakers and fixed mast antenna (may be deleted for credit).

Air conditioning, heater and defroster with 3-speed blower.

Full instrumentation—speedometer with trip odometer, 7,000-RPM tachometer, voltmeter, oil pressure, fuel and water temperature gages.

Quartz analog clock.

Warning lights for low fuel, brakes, electric choke, seat belts and generator.

Headlamp-on reminder.

Illuminated visor mirror for passenger.

Corvette interior shown with optional AM/FM stereo radio and cassette tape player, electric twin remote-control sport mirrors.

Courtesy and dome lights with time delay.
Ashtray and cigarette lighter in center console.
Dual-unit retractable headlamps with halogen inner high beams.
Automatic cornering lights.
Dual horns.
Underhood light.

BODY EXTERIOR

Removable roof panels, with stowage bags and tie-down.
Tinted glass for all windows.
Acrylic enamel or base coat/clear coat application for metallic colors.
Dual body color sport mirrors with remote controls.

BODY INTERIOR

Molded shell seats with foam pads and high pivot folding backs that fold flat (passenger only).
Padded vinyl and carpeted doors with map pockets.
Leather-faced with vinyl bolsters or full cloth seat trim.
Molded cut-pile carpeting with carpeted floor mats.
Glove box lock and light.
Dual padded sunshades (driver's shade extends).
Rear underfloor storage compartment with lock.
Tilt-Telescopic steering wheel with leather-wrapped rim.
Center console with coin tray, shifter, window, and air-conditioning controls.
Carpeted luggage area with concealment shade.
Day/night rearview mirror.

CHASSIS

Rear-wheel drive.
Power steering with ball-race gear.
Power four-wheel ventilated disc brakes.
P225/70R-15B steel-belted radial ply blackwall tires.
15" x 8" steel wheels.
Rally wheels, and bright trim rings and center caps (4).
Lightweight bias ply fully inflated spare tire and wheel.
Independent front suspension with coil springs and stabilizer bar.
Independent rear suspension with filament-wound fiberglass-reinforced composite single leaf spring.
New, larger drive shaft universal joints.
Integrated energy-absorbing front and rear bumpers.
Acoustical insulation package.
Side-lift jack.

CORROSION RESISTANCE

Steel-reinforced fiberglass body.
Galvanized steel body floor.
Hot-melt-wax frame coating.
Zincroterne® coating for power steering, fuel and brake lines.

SAFETY FEATURES

OCCUPANT PROTECTION

Manual lap/shoulder belts with push-button buckles for driver and right front passenger (driver's side includes visual and audible warning system).

Energy-absorbing steering column.
Passenger guard door locks.

Safety door latches and stamped steel hinges.

Energy-absorbing instrument panel and front seat back tops.
Laminated windshield/tempered side and rear glass.

Safety armrests.

Identification symbols for controls and displays.

ANTI-THEFT

Audible anti-theft ignition key reminder.

Anti-theft steering column lock.
Inside hood release.

Audio alarm system with starter interrupt feature.

ACCIDENT AVOIDANCE

Side marker lights and reflectors.
Parking lamps that illuminate with headlamps.
Four-way hazard warning flasher.
Backup lights.
Lane-change feature in direction signal control.

Windshield defrosters, washer and dual-speed wipers.

Vinyl-edged inside mirror.

Dual remote outside rearview mirrors, convex right-hand.

Dual master cylinder brake system with warning light.

Starter safety switch.

COLLECTOR EDITION STANDARD EQUIPMENT

(In addition to or replacing Corvette standard equipment.)

Silver-beige metallic exterior with fading shadow treatment on the hood, fenders and doors; pin striping; and cloisonné emblems.

Frameless glass hatchback with remote release.

Collector Edition interior includes leather bucket seats in multi-tone silver-beige, leather door trim, upgraded carpet, leather-wrapped dark beige steering wheel and horn button, special horn button cloisonné emblem, dark beige trim plates for console and instrument cluster.

Finned, cast-aluminum wheels with distinctive center ornament.

Tempered glass roof panels with special bronze color and solar screening.

Rear window defogger.

Power antenna.

P255/60R-15 SBR white-letter Goodyear Eagle GT tires.

OPTIONAL EQUIPMENT

Delco radios. Choose a Delco AM/FM stereo radio. Or select from available Delco ETR AM/FM stereo radio models:

- with 8-track tape player
- with cassette tape player
- with CB and cassette tape player

These ETR™ (Electronically Tuned Receiver) AM/FM stereo models feature LED readout, AM noise reduction, electronic station memory, front/rear balance controls, automatic loudness control and more. Citizens Band ETR radio includes power tri-band antenna. Power antenna optional with other radios. All ETR radios include a digital clock (standard clock replaced by oil temperature gage when ETR radio is ordered). Dual rear speakers, with extended frequency range, included with all stereo radios for dynamic sound reproduction.

Electric twin remote-control sport mirrors. Twin sport mirrors are electrically controlled by two switches on the center console.

Automatic speed control with Resume Speed feature. Designed to operate above speeds of approximately 30 MPH (50 km/h). The speed you preset remains constant until braking or turning the system off.

Six-way power driver's seat. Six-way control provides good seat position for comfort, visibility and operating control access.

Electric rear window defogger.
Aluminum wheels.

Removable glass roof panels with solar screening to help keep vehicle interior cooler.

Goodyear white-lettered, steel-belted radial tires. P225/70R-15, P255/60R-15—Eagle GT.

Roof panel carrier (rear deck).

Gymkhana suspension includes rear stabilizer bar, higher rate rear steel spring and special tuned front and rear shock absorbers.

Power door lock system.

Custom Two-Tone paint with pin striping.

Heavy-duty cooling.



Offers service protection in addition to that provided by GM's new vehicle limited warranty. Ask your dealer about it. Coverage is limited to U.S.A. and Canada for 1982 model year.

Also, see your Chevrolet dealer for details and information about GM's 24-month/24,000-mile Power-Protection-Plus Limited Warranty.

COLOR CHOICES

SOLID EXTERIOR

White
Red
Black
Charcoal Metallic
Silver Metallic
Silver Blue Metallic
Silver Green Metallic
Dark Blue Metallic
Bright Blue Metallic
Gold Metallic
Dark Claret Metallic

TWO-TONE EXTERIOR

(Upper/Lower)
(Optional at extra cost)

Silver Metallic/Dark Claret Metallic
Silver Blue Metallic/Dark Blue Metallic
Silver Metallic/Charcoal Metallic
White/Silver Metallic

INTERIOR

Cloth Bucket Seats

Silver Gray
Dark Red
Camel
Dark Blue

Leather-Faced Bucket Seats

Silver Gray
Charcoal
Dark Red
Camel
Dark Blue
Silver Green

A WORD ABOUT ASSEMBLY, COMPONENTS AND OPTIONAL EQUIPMENT IN THESE CORVETTES.

The Corvettes described in this catalog are assembled at facilities of General Motors Corporation operated by the GM Assembly Division. These vehicles incorporate thousands of different components produced by various divisions of General Motors and by various suppliers 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 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.



Chevy makes good things happen... for you

Chevrolet