



PR. J

INTRODUCTION

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THE CORVETTE EXPERIENCE HOW Corvette performs with a professional driver at the wheel.

CORVETTE ...

It began as an engineer's dream. Born of watching racing machines and the men who drove them.

A dream that became a challenge. And then a commitment.

And then a car. A car with an engine, suspension, aerodynamics and tires designed to please the most demanding professional drivers.

Yet that's pleasant, even easy to drive, down any public highway. Through any city. Day in and day out. A car capable of rounding curves with almost surgical precision.

Yet coddling its owner with superb seats, ample

luggage room, fine air conditioning and one of the best sound systems ever made available. A car of such quality that it compares with the most

exotic machinery money can buy.
Yet be easily and conveniently serviced all across America.
Introducing Corvette. A brilliant design made even

better for 1985.

A unique blend of brute strength and effortless finesse. Capability and comfort. Performance and luxury. Equally adept at cornering, braking and acceleration. Proud showcase of the vast capability of America's largest automotive division, Chevrolet.



A 31-YEAR LEGEND IN A THOROUGHLY

CONTEMPORARY EDITION.
1953. The first Corvette.
And the first sports car of
the modern era. A white
body, a red interior, a black
soft top and an in-line Six
with a 2-speed automatic
transmission. It is estimated
that two-thirds of these
"originals" are still around
today. All of them are
revered and valuable collectors: Irems.

1956. The Chevrolet V8 became a standard feature. A powerful optional engine was equipped with dual 4-barrels. And even with 3-speed manual or Powerglide automatic, it began to notch racetrack wins.

1957. The dawn of the American performance-car era. Corvette entered with a 283-cubic-inch engine. Fuel injection was offered on two of the four available

engines. Seekers after that something extra could order the optional suspension and heavy-duty braking packages. Sheer, raw horsepower was the fashion and convette responded to all challenges.

1961. A major rear-end redesign, and first appearance of four functional, round taillights. This period marked the first major use of lightweight aluminum components on Corvette, including radiators, carburetors, and transmission cases. The 327-cubic-inch V8 was introduced in 1962.

was introduced in 1982.
1963. The production
version of the famed Sting
Ray race car. This was the
first Corvette with fully
independent suspension
and the only year of the
coupe with split rear window. A: Special Performance
Package: (206) was optional.
1966. The first of the 427cubic-inch engines completed the transformation
of the Sting Ray into a
machine that was equally
adept at winning handliy

on both road course and drag strip. By now, 4-wheel discs were standard and a heavy-duty, close-ratio 4-speed was optional. Connering and braking capability were engineered to handle the added horsepower. 1968. A leaner, sleeker Corvette with a completely new Interior and exterior.

1968. A leaner, sleeker Corvette with a completely new interior and exterior. For the first time, Corvette coupes had removable roof panels. The 3-speed Turbo Hydra-matic was introduced and a 427-cubic-inch V8 tropped engine availabilities. 1973. The beginning of the transformation from street machine to international-class exotic car. Attention was directed to a totality of purpose—an integration of performance to design—as witnessed by the soft, body-colored front-end bumper assembly.

1975. The last convertible. Engine displacement stabilized at 350 cubic inches, with only the L-82 option offered in addition to the standard L-48. Convette moved into the demanding realm of the grand-touring machine with a full range of luxury and comfort features.

1978. The 25th year. The Indy 500 Pace Car was the first box-stock. Showroomfresh car to pace the race in years. A Silver Anniversary Model was avidly sought after by collectors. The major styling change was a true fastback rear window design, which made for enhanced luggage capability.

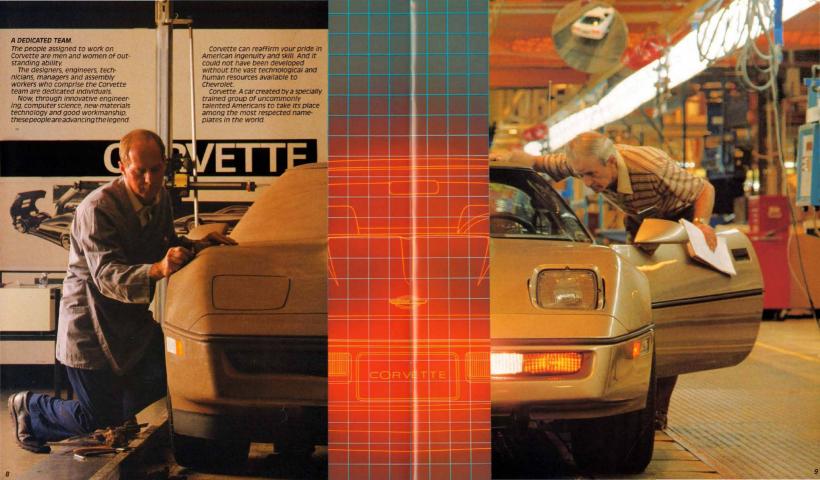
1982. The first generation to be built in its entire production run in the all-new Corvette plant at Bowling Green, Kentucky, Increasing emphasis was placed on quality of construction and brilliance of paint. The fiberglass composite monoleaf spring was introduced in the '81 and '82 models, and in skidpad tests Corvette achieved 0.79g lateral acceleration with Gymkhana suspension. A 4-speed automatic with overdrive was introduced as standard equipment.

Today. A new-generation Corvette. The complete performance machine.





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QUALITY STARTS WITH AN EXACT-SIZE DIMENSIONAL "BLUEPRINT."

The match check frame you see here serves as a full-size "blueprint" used to check structural parts to within minute tolerance limits.

The two-stage robot welder, also shown here produces a precision skeleton as it 'builds' the Corvette uniframe automatically, applying 142 precision welds in a matter of 97 seconds. It's an engineering marvel.



A solid fiberglass body continues to be one of the most enduring qualities of Corvette.

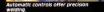
Advanced techniques have honed fiberglass construction and provided a smooth degree of beauty.

The chassis, drive train and suspension are married to the body in a specially built hydraulic "toweyer" interlocking system designed to assure that every contact point will have a perfect match. Application rate of com-

Application rate of computer technology is among the highest in the industry We even have computers to double-check the computers. CRT terminals are used for inventory control, parts allocation, manpower control, and quality control. Computer-generated inspection tickets follow a new Corvette throughout the assembly process. Even the front-suspension and rear-wheel alignment are computerized for precise accuracy.



MACCO Check permits part by-part analysis.





Two-stage welder builds uniframe.





Uniframe components get additional precision robot welds.



Technicians use computerized instruments to measure body panels to close tolerance on three planes.

THE 1985 CORVETTE. A MATTER OF PRIDE.

One thing visitors are quick to notice throughout the plant is product pride. You can see it in the way people work and the way they work together. All employes are encouraged to inspect their own work. And the work of others. It is their pride that is on the line, their mark that embellishes each Corvette that leaves the plant.

Employe Awareness Groups meet after work to discuss procedures, work conditions and any factors relating to product quality.

In another program, employes spend time visiting Chevrolet dealer service departments and working with service technicians.

And four nights a week, one salaried and four hourly workers drive Corvettes to test vehicles in what's called, "A Drive for Quality." The idea behind this program is for the people who build Corvette to experience the car the same way as the people who buy it.

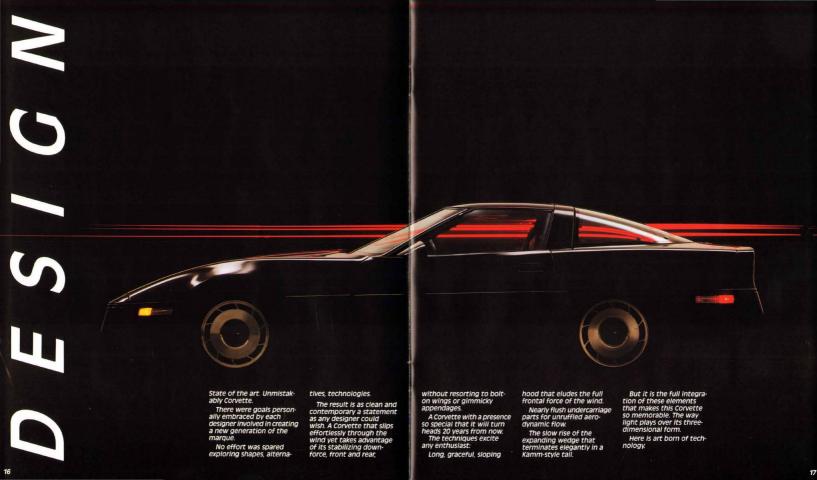
The intent is to give the 1985 Corvettes the highest quality ratings in Corvette history.

Whenever our employes see a new Corvette on the road, they know it's their Corvette, with their pride on the line.

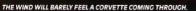
You are welcome to tour the Bowling Green facility.











The 1985 Corvette has the lowest coefficient of drag of any Corvette ever tested. 323. To achieve it, the car underwent exhaustive wind-tunnel testing with lowered trim heights and front end plus an extended front air dam. Advanced methods of monitoring turbulence as it relates to a moving car were employed. As illustrated, colorfiltered lights trace and simulate the flow of air. Every line, every curve, every design element was reevaluated with intensive aerodynamic scrutiny. Corvette actually puts the wind to work. It efficiently controls captured air to help feed the engine and cool the brakes. This is a good example of technology developed in the wind tunnel.











THE CORVETTE

COMMUNICATION CENTER Electronic liquid crystals constantly update you with multi-colored readouts, analog and digital. Speed engine revolutions, and numeric readouts of engine and electrical conditions. fuel consumption and trip mileage data are provided with computer accuracy in your choice of language: English or metric. Conversion from one language to the other is handled in an instant with a flip of the

switch located to the right of the instrument panel. The entire system is illuminated brightly enough to be read easily even in full daylight. Illumination intensity is controlled automatically by a built-in photoelectric cell. The Driver Information System, located between the speedometer and tach, is worthy of close inspection. Digital readouts in this cluster pull double duty to



give the driver a choice of several different instrumentation combinations. A set of switches, shown left, enables you to select readouts of oil pressure or oil temperature, engine coolant temperature or voltage, trip odometer or

console warns the driver of

mileage range on available when exiting the vehicle. fuel, instantaneous fuel Corvette's instrumentaconsumption or average fuel consumption. An additional system on the

unfastened seat belts, low brake-line pressure or engaged parking brake, door aiar, hatch aiar, and Electronic Control Module malfunction. This system

also reminds the driver to set Corvette's anti-theft system by locking the doors

tion is more accurate and more immediate than conventional gages. And surely more informative.

- A. Analog speedometer. 5-85 MPH, 10-140 KM/H.
- B. Digital speedometer. MPH
- and KM/H C. Oil pressure and temperature. English or metric.
- D. Fuel range. English or metric. E. Trip odometer and distance
- on reserve. Miles/kilometers. F. Fuel gage. Bar graph has low fuel
- G. Coolant temperature readout. English or metric.

- H. Voltage readout.
- Fuel economy readouts. Precise average and instantaneous MPG and L/100K.
- J. Turn signal indicators and warning flashers.

0007212

- K. High-beam Indicator.
- L. Analog tachometer curves sharply at peak horsepower to aid shifting.
- M. 6,000 RPM digital tachometer.
- N. Seven-digit odometer. Miles.
- O. Instrumentation is computer checked for accuracy.

HIGH PERFORMANCE INTERIOR DESIGN. FULLY AUTOMATED PAINT QUALITY.

LEATHER SEATS The elegance of fine leather to add a further personalized touch. Leather inserts are perforated to provide seat ventilation beneath passenger and driver.

CUSTOM ADJUSTABLE

feature electric power back-SPORT SEATS angle adjustment, special · For relaxed comfort as cloth trim and seat-cushion you drive. High-contour. ventilation with wool-pad high-back bucket seats with comfort liner. You can dial in power adjustments of upper your own precise, personal side bolsters and lumbar comfort. Elegant Custom support. Sport seats also Adjustable leather seats

will be available interim 1985.

SIX-WAY POWER OPTION · Available for driver's seat

only. System lets you adjust seat position 6.5 inches fore and aft, 1.5 inches up and · Corvette colors are down, and you can alter the

overall angle of the seat. Can be selected for application with the standard bucket seats or the optional seats. CORVETTE SHOWS ITS TRUE COLORS

carefully chosen and painstakingly applied. The fully automated paint system for the 1985 Corvette is one of the most advanced in the world. The entire paint operation is contained in a dust-free, clean-room

environment in which the air pressure is maintained positive to keep foreign airborne contaminants from entering. New Corvette owners are certain to appreciate the car's advanced paint application system.

CUSTOM TWO-TONE PAINT · Give your Corvette that custom look. Available in three appealing metallic finish combinations: Silver over Medium Gray: Light Blue over Medium Blue; and Light Bronze over Dark Bronze.







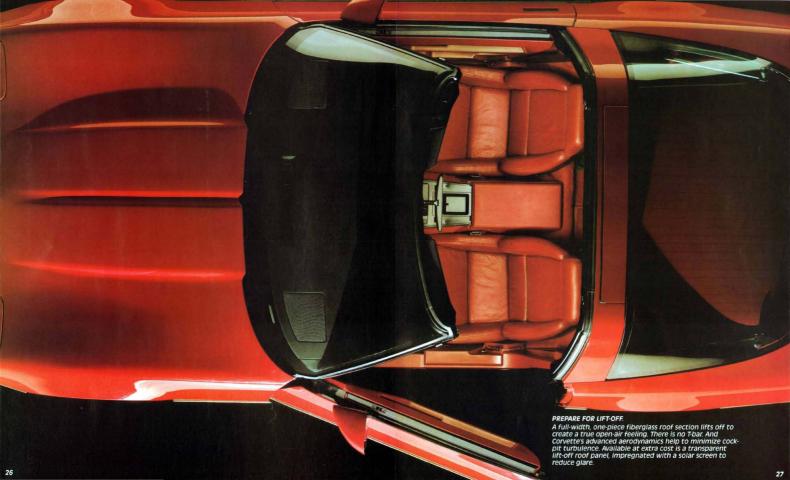




Optional Custom Adjustable Cloth Sport Seat









One word sums up the exacting engineering changes to Corvette for 1985. Refinement.

Refinement of its remarkable directional stability, precise on-center steering, transient response and cornering power.

And of its riding comfort. Exhaustive experimentation and testing of riding and handling parameters at speeds up to 150 MPH were conducted at the GM Proving Grounds.

There, at the world's largest automotive testing facilities, which replicate virtually every type of smooth and rough road surface, railroad crossings. banked high-speed curves and tight, off-camber hairpins, Corvette engineers perfected the spring rates and valving of the gascharged shocks to enhance Corvette's driving comfort without impairing its competence.

Spring ride rates of 100 lb./in. front and 135 lb./in. in the rear help provide effective road isolation with excellent wheel control. Even over tar strips, washboard and broken pavement.

Stabilizer bar diameters remain 24mm front, 20mm rear for roll stiffness. Steering caster was increased from three degrees to four for even more stability and better feel. The powerassisted rack-and-pinion steering remains fastgeared to a 15.5:1 ratio.

The result: a standard suspension so supple that long-distance roadwork is a pleasure.

Yet so controlled that test drivers at the GM Proving Grounds felt secure, even at the 1985 Corvette's 150-MPH maximum track speed, during long and

arduous testing. No surprise when you consider Corvette's advanced uniframe structure. Light in weight but exceptionally

strong, it is highly resistant to the strenuous flex that can reduce the tire patch contact with road surfaces during cornering.

Corvette's superb wheel control benefits from fiberglass composite monoleaf transverse springs, front and rear, which proved free of the long-term deterioration suffered by conventional metal coil springs during testing. Forged aluminum knuckles are used for both the front and five-link independent rear suspension.

Tractive forces are reacted to by a driveline beam of C-shaped aluminum extrusion, which connects from in front of the rear axle and to the rear of the transmission, thus eliminating transmission and differential-mounting cross members. The result is driveline strength with greater structural rigidity and a dramatic savings in weight.

Dramatic improvements were registered in tire engineering during the development of this Corvette design. Goodyear personnel worked closely with Corvette engineers throughout the car's development Goodyear borrowed much from its existing Formula 1 rain-tire technology to create the world's most sophisticated street performance tires. The standard 16-inch Goodyear Eagle radial is VR-rated to Corvette's top speed. Once mounted, each wheel/tire combination is specific to one side of the car, just like the most sophisticated

racing cars. You'd expect a car with racing performance to brake even better than it accelerates. Corvette does. With its Girlock Ltd. fourwheel disc brake system, Corvette can decelerate at rates as high as 0.977g. A new, enlarged brake booster speeds take-up on the lowdrag design for even better shocks have brought even modulation and control.

more directional stability Aluminum calipers help and riding comfort to 1985 Corvette achieve its low Corvettes equipped with unsprung weight. And new, the Z51. However, most all-temperature brake pad owners, unless they are lining is designed to provide racing, will find this package consistent brake perforunnecessary. For 1985, Delco/Bilstein mance whether you're going to the store or lapping the gas shock absorbers are track.

available on the standard touring suspension. Their With its Goodyear Eagle VR tires, Corvette's vehicle sophisticated design with a valved main piston and dynamics are impressive. The standard road susadditional dividing piston pension achieved a lateral helps prevent "cavitation; acceleration of 0.88g on our or foaming, of the oil which skidpad in the hands of a can occur in some twinprofessional driver. That's tube-type shocks. Bilstein almost three times the engineers have worked very cornering force the average closely with Corvette and

shock absorbers that

driver has ever experienced. Recommended only for owners who plan to enter autocross, showroom stock or other formal competition, Corvette offers an optional, no-compromise performance suspension.

The Z51 Performance and Handling Package has

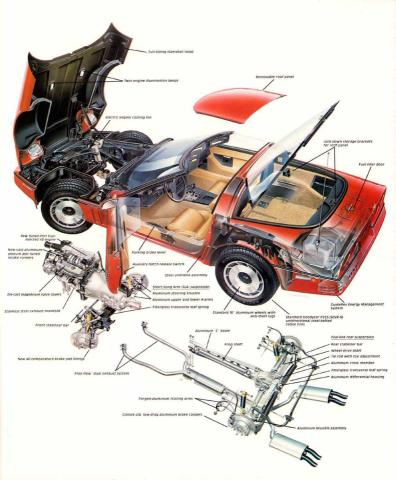
generated 0.90g in lateral acceleration testing on GM's skidpad.

For 1985, the Z51 incorporates 16" x 91/2" wheels all around, larger diameter stabilizer bars, 30mm front, 24mm rear. Stiffer bushings are used, allowing low deflection while cornering. The fiberglass monoleaf springs feature ride rates reduced from last year to 135 lb./in. front, 165 lb./in. rear. The 13:1 ratio power-assisted rack-and-pinion steering of the Z51 package is designed for the lightning response competitive drivers seek.

Softer spring rates and revalved Delco/Bilstein gas

33

enhance ride characteristics and are precisely tuned to this advanced sports car. The suspension of the 1985 Corvette is a totally refined package which reflects many of the proven and efficient racing engineering practices. The use of forged aluminum suspension components reduced unsprung mass by nearly 30%, which contrib utes to wheel control, ride and road holding. The payoff is that the 1985 Corvette with the optional Z51 suspension proved itself an astounding two seconds a lap faster than its '84 counterpart on the 1.5-mile Delco engineers to provide Firebird Raceway near Phoenix during GM testing.





The net result is stunning performance in every gear. On the track at CMs Proving Ground, this powerplant with available 4-speed manual transmission and 3.07 performance axle ratio achieved a top speed of 150.5 MPH with 0 to 60 times of 5.7 seconds.

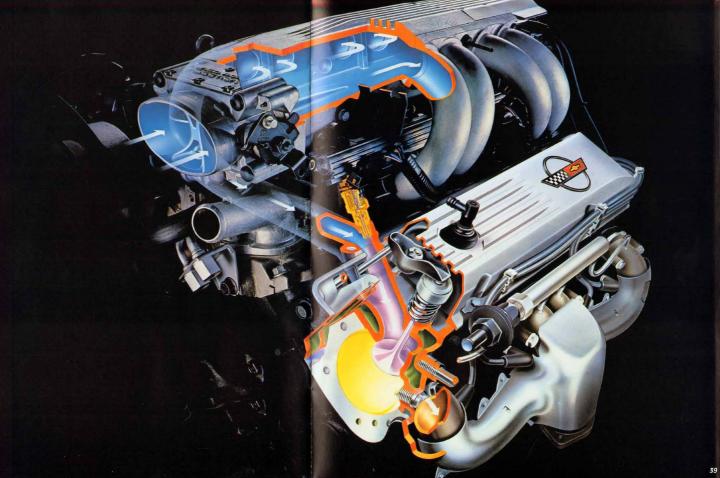
Beyond a significant overall performance increase, the 1985 Corvette's Tuned-Port Fuel Injection system is designed to give you other advantages:

instant throttle response at all speed ranges. Dependable operation: The only moving parts are the electronic injectors, idle controls and throttle plate; everything else is solid-state circuitry sealed from dust,

dirt and moisture. Dependable cold starts without flooding, thanks to a ninth fuel enrichment injector. Dependable hot starts without vapor lock. Self-adjusting idle to inhibit stalling and fuel waste. Positive fuel shut-off to eliminate "run-on" after ignition is switched off. Automatic compensation to changing elevations to minimize power loss and fuel waste. And optimized engine performance between recommended service intervals.

To control engine temperature during long periods of maximum performance, the 251 Performance and Handling option includes a larger radiator with puller and pusher fans on opposing sides. And a Modine oil coolant flow-through heat exchanger between the engine block and oil filter.

The basic small-block V8 is already a legend. No other engine has won as many races in so many different arenas of motorsport.



SPECIAL ENGINEERING FEATURES.

Much of the excitement in the corvette relates directly to the many design and engineering features apparent throughout the car. Chevrolet believes a high-performance machine should also be a car its owner can live with comfortably and rely upon.

We offer an automatic 4-speed transmission with overdrive, as standard equipment.

Or, if you prefer, there's a 4-speed manual transmission with automatic overdrive on its top three gears, exclusive to Corvette. It's an option, but at no additional cost. Engineered with a hydraulically operated clutch at the front and a computer-controlled overdrive at the rear.

The basic feature of the hydraulic clutch is that it reduces shock-loading along the driveline during maximum acceleration from a standing start, and it also introduces damping similar to a shock absorber during quick shifts. The computer blocks out the overdrive during high-performance acceleration.

when the overdrive system is operating, a message is illuminated in the center of the dash panel. If you want total command of the manual transmission operation, there's an overdrive "On/OF" switch on the enter console.

The engineering of the Corvette goes far beyond transmissions that think, however. There's an induc-

tion system supplying air to the engine by a duct leading to a louvered plenum-type air cleaner behind the front facia And stainless steel headers lead to an exhaust system that is carefully engineered to fit the undercarriage configuration yet maintains the high-flow characteristics or the traditional Corvecte dual exhaust.

There's more. The parking brake is located to the driver's left, which helps to reduce driveshaft tunnel width. For easy access to

the cockpit, the handle retracts to the floor after the brake has been set. LITtle things. The glass is flush for better aerodynamics. From the coin holder in the console to the fully accessible fuse box location, the covette emphasizes convenience and serviceability.

Inspect the one-piece roof panel. Note how securely it fits. A specially designed new ratchet wrench is supplied for its removal. The top may be stored within the car and there's still room enough

for a two-suiter in the luggage area. Even the top tool fits into a special retainer compartment.

The theft deterrent system has been specifically designed for Corvette. (Perhaps that information is more properly left for your perusal of the Owner's Manual. The list of innovative and practical design features is far longer than on most

practical design features Is far longer than on most cars: halogen fog lamps, a designed-in body side molding to help prevent unsightly paint chips and scratches a fuel tank access lid which provides a recessed area in which to set the removed gas cap so that paint isn't marred and hidden halogen headlamps that rotate open from a sealed compartment which shields them from undercar road soray.

The Interior is ergonomically designed for optimal comfort, luxury, and driver control. Driving purists will appreciate all that, just getting in. Open the door step over the beaming structure into the pilot's seat. A seat and belt system holds you in position, with upholstery support that molds and conforms to the contour of your body—like the fit of a good ski body.

All this and more is precisely why Corvette is respected as so much more than the kind of road machine that it is. The 1985 Corvette is a designer's car, an engineer's car and, most important, an owner's car.













Sophisticated space-age microelectronics focused on the enhancement of your travel mode on Planet Earth. Science fact. Not science fiction.

Seemingly futuristic, yet totally functional.

The 1985 Corvette is equipped with two on-board microcomputers armed with a combined 18-k memory and more than 6,000 individual instructions, monitoring, controlling, and computing at precise, split-second intervals. The units transmit hundreds of thousands of data bits to the driver's "command center" via the instrument panel

and console displays.
Corvette's twin computers, operating at a speed measured in millionths of a second, are designed to handle specific, individually programmed work loads.

The primary system, the Computer Command Control (CCC), directs the engine, controlling vital functions such as spark timing, idle speed, fuel delivery, automatic transmission lockup clutches, and manual transmission overdrive. CCC permits optimal engine performance under a wide range of atmospheric and climatic conditions which could, if not compensated for, negatively affect operating efficiency.

Corvette's second computer functions as a



monitor, calculator, and transmitter of vital data to the driver with astounding speed and precision. For example, speedometer and tachometer bar graphs are updated every 65 milliseconds. And the tachometer bar graph design reflects the engine power curve. The computer handles computations like average fuel consumption and mileage range in less than 3 milliseconds, while a person using a handheld calculator would take 20 to 30 seconds for the

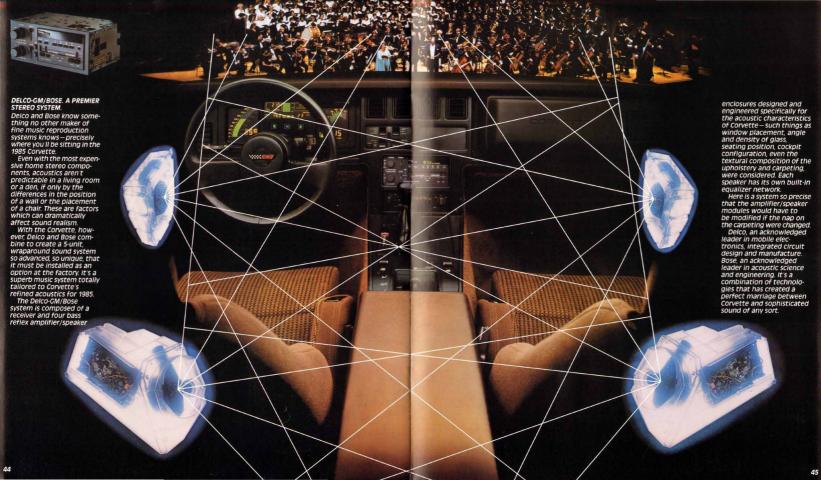
same problems
To display a total of 14
Instrument readouts in 9
display areas, the micro
computer executes 300,000
Instructions each operating
second; scan each piece
of data for conformity
to acceptable operating
ranges, and emits a signal
to the driver whenever
these ranges are exceeded.

Just a few short years ago, such electronic wizardy, was impossible in an automobile size weight, and cost of required hard was were insurmountable barriers. But advanced cybernetic technology and by-products of U.S. space programs have given diamatically broader and bolder dimension to what is possible and practical.

The wave of the future.

The wave of the future.

Modern science and advanced technology as the servants of humankind—
realistically presented today in the 1985 Corvette.



provides coverage for up to 36 months or 36,000 miles of vehicle usage, whichever comes first.

BROAD COVERAGE

weve cal unitied warranty. Covered for repair or replacement of most parts of ten major assemblies, and other powertrain components up to 24 months or 24 000 miles, whichever comes first.

These two warrantes are then enhanced by a third limited warranty which provides coverage for up.

AND TOLL-FREE NUMBER You'll receive a personal Identification Card which lists a toll-free number

your dealer, you can report rouble by calling between 8:00 a.m. and 5:00 p.m. and the dealer service locations nearest you. TOWING AND ROAD SERVICE

12.000 miles, an allowance the cost of towing or road service for any disablement of your Corvette. This includes such causes as

is assured even greater satisfaction from a product that has been designed and repair bills and from the



CORVETTE QUICK FACTS

ENGINE
Tuned-Port Fuel-Injected
V8 Engine 5.7 Liter
(350 Cu. In.)
Block Cast Iron Alloy
 Pistons . Forged Aluminum
· Camshaft . Cast Iron Alloy
 Bore 4.00": Stroke 3.48"
 Horsepower 230 net @
4.000 RPM
• Torque 330 lbft. @
3.200 RPM

TRANSMISSIONS

Ratios:

 Available 4-speed manual with computer-controlled overdrive in 2nd, 3rd, and 4th gears. Ratios:

mat								
· Sta								
O.D.								06
4th								1.0
3rd								1.3
2nd								1.9
1st.								

1st .								3.08
2nd								
3rd								
4th								
· AX								
Auto								2.73
Man								
*Op								

DIMENSIONS AND WEIGHTS

Exterior									
Width:									
Front tread									59.6
Rear tread									60.4
Overall body									71.0
Length:									
Wheelbase.									96.2
Overall body								1	76.5
Height:									
Total vehicle									46.6
Min. ground	de	22	1	a	ır	10	e		5.0



Horsepower-Torque Chart

Interior									
Head room								. 36.4"	
Leg room								. 42.6"	
Shoulder ro	0	n	7					. 54.0"	
Hip room								. 49.3"	
Cargo volun	7	e			1	7	9	cu. ft.	
Weight:									

Curb weight

4-speed . 3,230 pounds Automatic . 3,240 pounds Includes standard equipment as designed with oils, lube, coolant, and 20-gallon full fuel capacity. Distribution

Distribution: Front 4-speed...1,647 lbs. (51%)

Automatic .1,649 lbs. (51%) Rear 4-speed ... 1,583 lbs. (49%) Automatic .1,590 lbs. (49%)

BRAKING

A 4-wheel disc brake system was developed exclusively for Convette by Girlock Ltd. of Australia one of the world's leading manufacturers of high-performance equipment. The system features lightweight aluminum calipers with low-drag operation and 11% "rotors.

On the test track from zero

to whatever speed you want

ACCELERATION

takes but a few seconds in the 1985 corvete. Just a scant few of the world's evotic sports cars can better our acceleration numbers and only by the narrowest of margins. And Corvette was built to provide perfor mance through tight curves as well as the straightaways. A Corvette equipped with 4-speed automatic transmission and the standard 2.73 rear-axle ratio accelerates 9 to 60 in 61 seconds.

The 4-speed manual unit with 3.07 axle ratio can move Corvette along a bit quicker — 0 to 60 in 5.7 seconds.

LATERAL ACCELERATION

The critical test of a sports car's cornering capability. This test is conducted on a

108' radius skidpad. The test vehicle is driven up to a maximum speed beyond which it will begin to slide laterally. The "g" indicator refers to the average lateral force generated by the vehicle while at the sustained maximum speed during passes in both directions

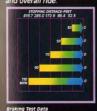
around the circular course. Corvettes equipped with standard Goodyear VR radials mounted on 16" x 8½" wheels achieved a sustained reading of 0.88g. When equipped with the full 251 Performance Handling Package, Corvette achieved 0.90g.

ALL-ĀROUND PERFORMANCE The objective for the design and engineering of the newgeneration Corvette was to



Acceleration and Braking Performance with Manual Transmission

create a vehicle capable of producing all-around sportscar performance: braking, acceleration, cornering, straight-line performance and overall ride.



sideration in the effort aimed at achieving this monumental objective in Corvette. There would have to be a balanced relationship between engine horsepower and overall vehicle weight, between the rigid structure and the suspension-wheel-tire system supporting it; between sprung and unsprung mass, and in weight distribution on all four wheels of the car. With the 1985 Corvette.

this kind of critical balance

Balance was the key con-

we think you'll agree.

has been achieved.

Acceleration TIME SECONOS

4-Speed Automatic/Std. 2.73 Axle

When you take to the road.



Lateral Acceleration Test with Optional 251.

Braking lest Data

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STANDARD EQUIPMENT.

As you'd expect with a sports car as superbly designed and engineered as the 1985 Corvette, the list of standard features is extensive. Prepare yourself for some fascinating reading as we unfold this incredibly comprehensive package

- BODY AND STRUCTURE. A wind-tunnel-refined fiberglass body with fulltilting clamshell hood and upper fenders for easy service access to engine and front suspension. Flushmounted tinted glass, single rectangular hidden headlamps, and functional, fully integrated front and rear spoilers enhance body appearance and are the very definition of advanced automotive aerodynamics
- One-piece removable fiberglass roof panel opens to provide the exhilarating open ride of a convertible Top is conveniently stored in a rigid lock-down position in rear compartment
- · Frameless rear glass hatch opens widely when you activate switch in console glove box or at the rear edge of door-trim panels to provide convenient outside access to rear compartment. A roller-shade security panel is built into the rear com-

partment to help keep your personal belongings hidden from view.

- Exterior lighting includes integral grille-mounted halogen fog lamps, front and rear cornering lamps Parking and fog lamps are hinged to help prevent damage in the event of
- system) front facia deformation column · Galvanized steel uniframe structure has been engineered to be light in weight
- torsioning. · Integral body side moldings functional front fender louvers for added engine cooling, and body color

yet stiff in beaming and

- electric-control sport mir rors are also included as standard equipment.
- Integrated bumper system. Front and rear bumpers on Corvette are excellent examples of the "designedin" rather than the "hungon" approach. Skins or facias are made of a flexible plastic material which is backed up by a soft mass known as the Guideflex Honeycomb Energy Management System.
- Energy from low-speed impact is absorbed by the system, which assumes its
- original shape after the pres sure of impact is released.
- flasher Unibase color consistency

- with high-solids acrylic enamel CORVETTE SAFETY **FEATURES**
- OCCUPANT PROTECTION
- Manual lap/shoulder belts for driver and passenger (driver's side includes visual and audible warning
- Energy-absorbing steering
- Energy-absorbing instrument panel
- Energy-absorbing tops, front seats
- Laminated safety windshield glass and tempered safety side and rear window glass
- Safety interlocking door latches
- Passenger-guard inside door lock handles
- Inertia-locking, folding seat-backs
- Safety armrests Safety-strength seat attachments
- Integral head restraints. driver and right front passenger
- ACCIDENT AVOIDANCE.
- Side marker lights and reflectors
- Parking lamps that illuminate with headlamps Four-way hazard warning
- Backup lights

- Directional signal control and lane-change feature · Windshield and sidewindow defroster, washer and dual-speed wipers
- Inside rearview mirror with vinyl-bonded glass
- · Dual electric remote outside rearview mirrors. convex on right-hand side · Brake system with dual
- master cylinder and warning light Starter safety switch
- · Low-glare finish on instrument panel top. inside windshield moldings. wiper arm/blades, metallic steering wheel surfaces Illuminated heater and defroster controls
- · Tires with built-in tread-
- wear indicators. ANTI-THEFT
- · Audible reminder for ignition key removal Anti-theft steering column lock
- Visible vehicle identification number Audio alarm system with starter-interrupt feature
- · Roof panel with theftdeterrent mount
- . Theft-deterrent wheel lugs.
- CHASSIS AND DRIVE TRAIN. High-compression 5.7 Liter (350 CID) Tuned-Port Fuel-
- Injected V8, with serpentine accessory drive and electric

- cooling fan. This is a special Corvette version of the V8 that has proved itself one of the world's great performance powerplants as a consistent winner in NASCAR, IMSA GT, SCCA.
- TransAm and Can-Am racing. . To complete the drive train, there's a 4-speed automatic transmission with overdrive and 2.73 ratio
- Positraction rear axle. Standard tire and wheel
- combination features P255/ 50VR-16 Goodyear Eagle unidirectional steel-belted radial tires mounted on x 81/2" aluminum alloy
- wheels with functional turbine blade design with anti-theft nuts.
- The Corvette suspension is unquestionably the most exotic package ever offered on a production automobile. A performance-oriented combination of advanced space-age materials with unique suspension geometry. Standard package includes 5-link independent rear suspension, rear stabilizer bar, fiberglass monoleaf front and rear springs. gas shock absorbers, and uminum alloy forged control arms, steering knuckles,
- and rear suspension struts. The 4-wheel power disc system includes "floating"

aluminum calipers, alltemperature semi-metallic brake linings, a new enlarged power booster, and an advanced overal. aerodynamic effect to help keep brakes "cool under

pressure. INTERIOR FEATURES AND **EOUIPMENT**

- A refined instrument cluster featuring liquid crystal display with digital readout, vehicle condition monitor, and analog and digital speedometer and tach. Instrument system converts instantly to English or metric with a single switch. Definitely a most sophisticated and intelligent driver information package.
- · Aircraft-cockpit-style highback contour cloth bucket seats with manual back angle adjustment and woolpad comfort liner designed to provide the feeling of individualized fit and comfort. Air conditioning, tilt and telescope steering wheel. power windows, side window defoggers, and driver-side door-mounted windshield wiper and washer controls are pro vided to create a totally enjoyable interior motoring environment.
- AM/FM stereo ETR™ radio

- with four speakers, digital clock and power antenna. Radio's "Seek and Scan" feature can electronically assist you in finding listening tuned to your mood or taste. especially in outlying or outstate areas. (Radio may be deleted for credit.)
- Manual, dual-spool. 3-point-locking lap seat-belt system permits driver and passenger to "buckle up" with the freedom of the inertial-locking system, or they can "cinch" themselves firmly in place using button on the lap buckle.
- Deluxe trim features include integral door armrests. lower door carpeting. leather-wrapped steering wheel - the kind of fine detailing you expect from a world-class sports car. The standard equipment
- package is rounded out with dual rear lockable stowage compartments, interior hood release, bright underhood service lights, rear compartment security shade, passenger-side lighted visor vanity mirror. high-intensity door and pillar lights, and under-dash courtesy lights Corvette is the most comprehensively packaged automobile of all time, serviceable by the most
- in the business. With the advanced styling, innovative engineering and high technology-plus combined acceleration and braking to make it the best production sports car in the world. ANTI-CORROSION MEASURES. Fiberglass, the material used in exterior body panels, will not rust. The steel understructure of the body is 100% galvanized and dip-painted. As a major anti-corrosion effort, the 1985 Corvette features extensive use of aluminum alloys, magne sium and stainless steel. Underbody steel brackets clamps, clips, braces and retainers are coated or painted to withstand a severe salt spray durability

extensive dealer network

a special protective coating. These are some of the highlights of a comprehensive program designed to help the 1985 Corvette withstand the elements.

underbody members receive

standard. And the steel

A WORD ABOUT ENGINES Chevrolets are equipped with engines produced at facilities operated by GM car groups, subsidiaries or affiliated companies worldwide.









CORVETTE OPTIONS

As a basic package, the standard Corvette occupies a position of dominance among the sports cars of the world. But Corvette options allow you to take this incredible car and tailor it to your specific taste and individual level of excitement. Corvette optional equipment:

4-SPEED MANUAL **TRANSMISSION**

· Corvette's 4-speed manual, with automatic overdrive in three top gears, is optional at no extra cost. In effect, this gives seven forward speeds. Unit works with Corvette's on-board computers and manual override switch to provide dual-mode operation - high performance or low-RPM overdrive

Z51 PERFORMANCE HANDLING PACKAGE

For the true auto enthusi-

ast. This package features a larger radiator with pusher and puller fans on opposing sides plus a Modine oil cooler to help control engine oil temperature during periods of maximum performance. With this package, higher rated monoleaf fiberglass composite springs Delco/Bilstein gas shock absorbers, stabilizer bars, and selected controlarm bushings replace standard units, front and rear This package also features P255/50VR-16 Goodyear Eagle unidirectional steelbelted radial tires mounted on 16" x 91/2" aluminum alloy wheels. A quicker steering gear (13:1 vs. standard 15.5:1) is employed along with a higher-effortfeel steering gear torsion bar. Z51 package includes a 3.07 rear axle with either the automatic or manual

transmission. Corvettes equipped with this total performance setup have achieved an astonishing 0.90g level in lateral acceleration on the GM Proving Ground skidpad, Truly sophisticated high performance. Tire chains should not be used because they may cause damage to your car.

DELCO/BILSTEIN GAS PRESSURE SHOCK

ABSORBERS Advanced technology from the noted German shock manufacturer. Remarkable road-hugging characteristics with a marked reduction in the harshness normally associated with a highperformance suspension. Available with standard and Z51 suspensions.

HEAVY-DUTY COOLING PACKAGE

Features a larger radiator

with pusher and puller fans plus a Modine oil cooler for increased cooling capacity.

DELCO-GM/BOSE MUSIC SYSTEM

 Truly a masterwork of advanced audio system design. Precisely tuned to the dimensions and materials of Corvette's interior to create a deluxe concerthall listening atmosphere. System includes an ETR AM/FM stereo radio with 'Seek and Scan' cassette tape with "Search" feature and clock; special tone and balance control; four Bose power-amplified, direct reflecting speakers; and the Dolby® Sound dynamic noise reduction and automatic suppression system. Precision tuned to the Corvette interior by Bose

technicians to provide "Dolby" is a registered trademark of Dolby Laboratories. a magnificent audio environment.

TRANSPARENT LIFT-OFF **ROOF PANEL**

 Gives the dual advantage of an unobstructed overhead view from the passenger compartment plus easy removal for the open ride of a convertible. Break and abrasion resistant, made of tinted acrylic with an imbedded solar screen. Replaces standard fiberglass panel and can be stored. locked down, in rear stowage area.

STEREO RADIO WITH

CASSETTE PLAYER • ETR AM/FM stereo radio with "Seek and Scan" and clock, with cassette player added to broaden your listening enjoyment. Unit includes two front and two rear speakers and power antenna

REAR WINDOW DEFOGGER AND HEATED OUTSIDE MIRRORS

· Ice, frost, and moisture removal at your fingertips. Electric switch activates system to clear rear window and outside mirrors under foul weather conditions. For your convenience.

ELECTRONIC SPEED CONTROL

 Select your speed and then cruise without maintaining pressure on accelerator. Speed adjustment feature allows you to change your speed in precise one-MPH intervals. Resume feature brings car's speed back to your preset level following an interrupt for braking. System contributes to fuel economy at highway speeds and is available with both manual and automatic transmissions.

POWER DOOR LOCKS

· Puts both door locks

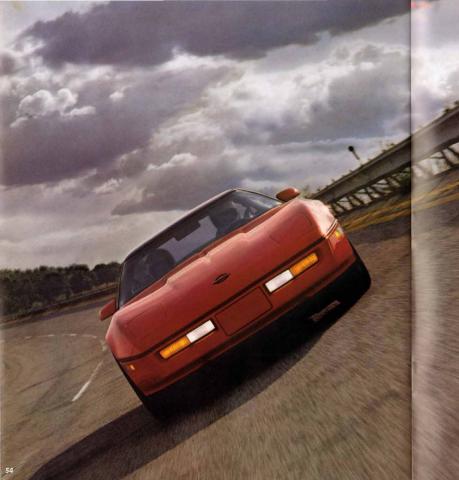
within convenient reach of driver. A single touch-type switch locks or unlocks both doors for security and convenience.

OPTIONAL SPORT SEATS Available Leather Seats feature perforated inserts. Optional Custom Adjustable

Sport Seat features cloth trim and seat cushion ventilation: also available in leather at extra cost (interim availability). SIX-WAY POWER SEAT

Available on all Sport Seats on driver's side only





THE CORVETTE EXPERIENCE.
SCENE: GM Proving Ground,
Milford, Michigan.

CAR: 1985 Corvette pilot test car. Standard suspension, 4-speed automatic transmission, optional 3.07 performance axle.

Riding with the engineer who developed the 1985 Corvette suspension. A man who races 1,000-cc grand prix motorcycles on weekends to relax.

Ahead of us, a mile and a half of arrow-straight GM test track drying in the Michigan sunlight. Dark clouds and thunder rolling across the hills.

The start is a standard Converte test procedure. Left foot on the brake. Right foot balancing the torque of the Tuned-Port Fuel-Injected 5.7 Liter engine against the engaged drive train. The car shudders, smoke pouring from the huge spinning rear tires. A start only a professional test driver would make.

Moments later, we are hurtling down the track. A glance at the digital speedometer shows sixty went by long ago. Nothing else but the full symphony of engine induction sound. And a big, invisible hand pushing us deep into our seats.

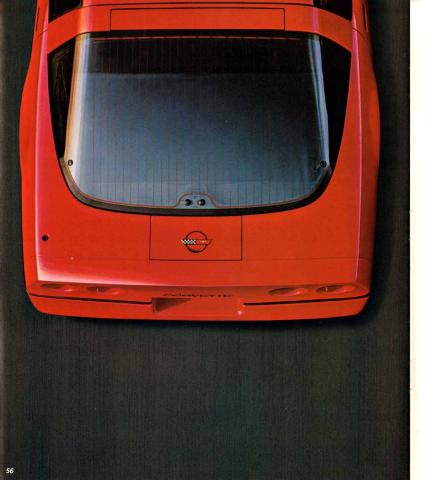
The countryside is a green blur. The wind gusts sharply from the front and left. The digital speedometer reads out evenly: 143. 144. 145. 146.

Rock steady but out of road.

We sweep around the banked oval, brake hard and turn off onto the twisting macadam. Broken pavement. Washboard. Railroad crossings. Deep puddles remaining from the rain.

The Corvette takes them all on Sight, continuous understeer expertly neutralized by the throttle. Sweeping around off-camber bends with g forces pinning us against the seat side bolsters. Road Isolation, first rate. Directional stability, superb. Brakes, awesome.

This is the bottom line. An even better version of the neven better version of the most comprehensively packaged automobile of all time. With the advanced styling, innovative engineering, high technology, quality and comfort to make Convette – even more in 1985 – the best production sports car in the world.



LET SOET IT TOGETHER. BUCKLE UP Every new 1985 Chervicel delivered by a Chewolet dealer in the United States comes with a one-year. \$100.00 seat bett insurance certificate from MiC General insurance certificate from MiC General charge \$10.00 will be paid to the estate of any occupant who surfers stati injuries as a result of an acciding a god seat bell. Buckle up every time you of seat bell. Buckle up every time you will seat the surface of the source properties of the source seat the surface surface source surface surfac

IMPORTANT: A WORD ABOUT THIS CATALOG.

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A WORD ABOUT UPDATED SERVICE INFORMATION.

INFORMATION.
Chevrolet regularly sends its dealers useful service builetins about Chevrolet products. Chevrolet monitors product products chevrolet products chevrolet products chevrolet products pare builetins for servicing our products better. Now you can get these builetins, too. Ask your dealer To get ordering information. call foll-free 1800-551-4123.

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 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-cest optional equipment, make certain you specify the type of equipment you desire on your vehicle when ordering it from your when you have not extra it from your care it is built your dealer receives advice regarding current availability of options you may ask the sealer for this information. Only a sealer it is information, and is an option you ordered is unavailable, we suggest that you verify that your car includes optional equipment you ordered is in their arc changes, that

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