





## THE NEW CORVETTE. IT'S HISTORY IN THE MAKING.

To everyone who ever fell in love with a Corvetta, we say: Get ready to do it of over again.

To embusiants everywhere, we say Come celebrate with us the starring renewal of a performance legend.

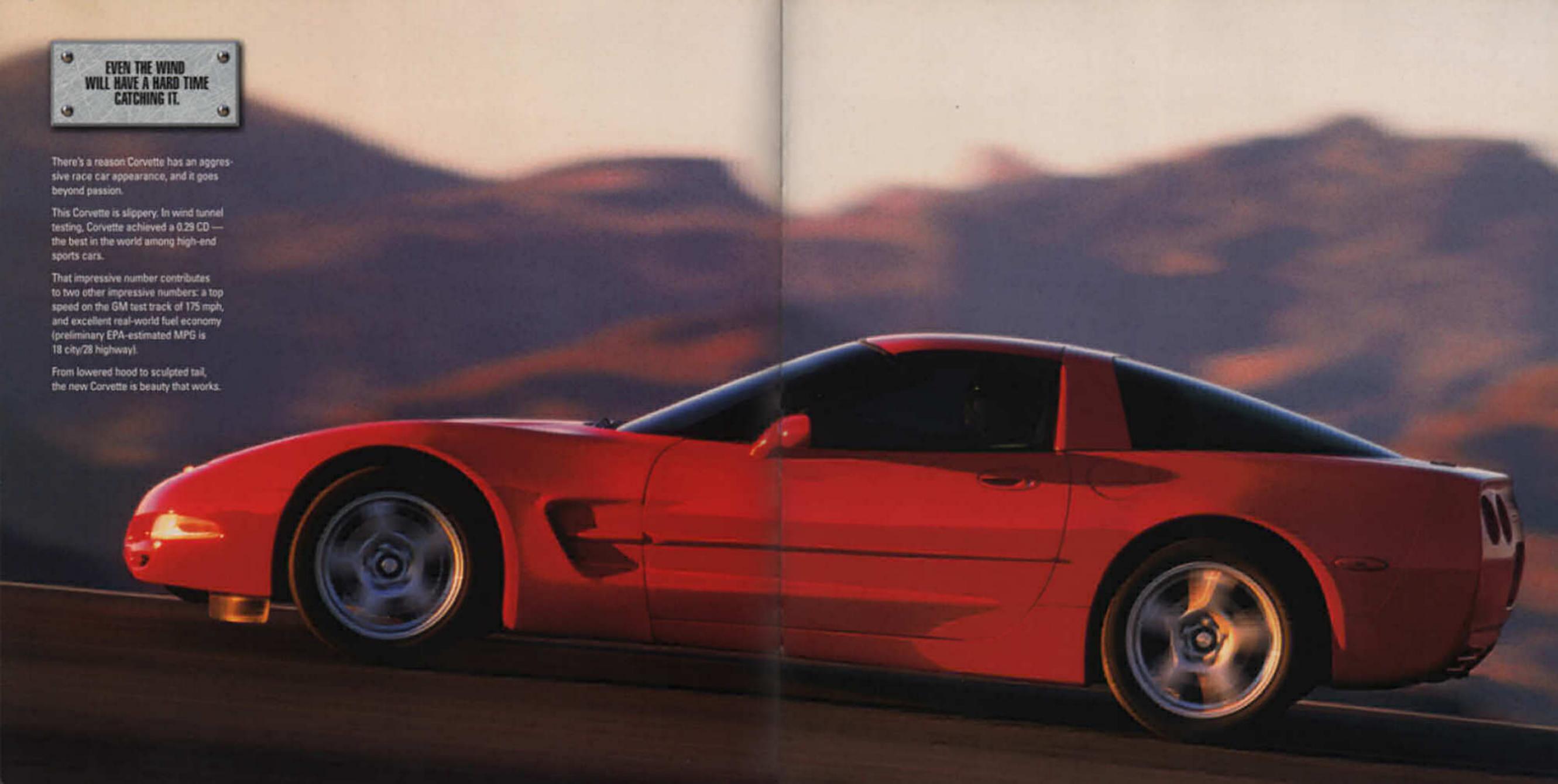
Here is passionate proof that the automobile can be both art form and technological asur de force. Convette is, now more than ever, the pure definition of "American sports can."

Oh, yes \_ that is your heart pounding.











Living up to the Chevrolet "small block" legacy is an enormous responsibility.

No other sports car engine is so well known — or so highly regarded — as the Corvette V8. And its guiding philosophy — simplicity, lightness of weight, and sheer elegance of design — endures in the newest small block V8, the LS1.

In designing this new engine, the Corvette team benchmarked every competitor.

One thing was certain. This new engine had to be a terrific balance of everything — horsepower, torque, fuel economy, smoothness and durability. A tall order, and one that results in the most exciting V8 to ever sit under a Corvette hood.

LS1 configuration is familiar: pushrod V8.
The benefit to you is a great power-toengine-weight ratio and massive low-end
torque, all combined with high-revving
character that was once the exclusive
domain of overhead cam engines.



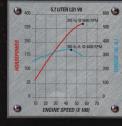
LS1 specifications include an allaluminum block designed for stiffness, strength and low mass, a unique camshaft design that improves engine breathing and a 10.1:1 compression ratio which helps maximize engine power. A new lightweight composite intake manifold that improves airflow and a highly sophisticated level of Sequential Fuel Injection technology are also featured.



The LS1 may be teamed with either an electronically controlled 4-speed automatic transmission (standard) or a six-speed manual (optional).

You'll want to get acquainted with the LS1.

It is the new generation of a legend.



# BEAUTIFUL, DOWN TO ITS ALUMINUM ALLOY, TORQUE-TUBED SOUL.

formed steel, everything you see here advances the art of sports car design.

And, all of which makes the 1997 Corvette an appropriate successor to the Corvettes which have come before.

Up front, the new LS1 V8. The compact size of this engine helped Corvette designers achieve a lower hoodline for both excellent visibility and a tighter turning circle.

The transmission (six-speed manual or four-speed automatic) is at the rear.

The reasons for this location are threefold.

- To enhance chassis/body rigidity with a longitudinal structural center tunnel.
- \* To provide optimum weight distribution
- And, significantly, to provide a larger interior with more footroom and legroom.

The unique Corvette structure (consisting of a strong perimeter frame combined with a center backbone) provides a level of structural rigidity that's world class.

A Traction Control system is standard on every Corvette. Traction Control works in conjunction with the ABS and electronic throttle control to optimize traction by reducing tire slip on many surfaces. An On-Ott switch is included.

Magnasteer, a speedsensitive, variable-effort steering system, is standard. This computercontrolled system, combined with a rotary valve rack-and-pinion steering gear, provides maximum steering assist for lowspeed parking, and precise steering feel at higher speeds. Electronic Throttle Control is a sophisticated "drive-by-wire" system that provides crisp response to driver input.

from a Metal Matrix
Composite (MMC), which
combines aluminum,
aluminum axide and
ceramic for great strength.
The shaft has a relatively
small diameter (to fit
incide the torque tube)
and the low weight that
aluminum provides.

The driveshalt is made

The 1997 Corvette The perimeter frame is manufactured out structure is four times stiffer than last year. of tubular steel that This robust design (with is molded into the a high strength perimedesired shape by a GM-developed highter frame and unique center backbone) allows pressure hydroform press. These onethe independent suspension to be tuned strictly piece frame rails are. stiffer, stronger and for wheel control from road inputs - the aus-Jower than previous designs, which pension does not have to compansate for fleximproves structural ing of the structure. rigidity, helps deliver a better ride, and also provides a lower stepin height

The engine in a Corvette has platinum tip spark plugs. This means no scheduled tume-ups for up to 100,000 miles.\* Extended-life empine coolant doesn't need to be changed for five years or 150,000 miles (whichever comes first). The recommended oil change interval is 10,000 miles and there are to transmission fluid changes, ever, under normal conditions. \*Mairtenance needs vary with different year and shving conditions.

Corvette features one of the most extensive applications of aluminum suspension componentry. A new hybrid process that combines casting and forging saves additional weight and allows the casting of very precise shapes without any sacrifice of component strength.

A super-ripid, but sightweight aluminum engine block reduces unwanted vibration. This attented construction is combined with hydraulic engine and transmission mounts that further reduce vibration to the chases. The result is ultra amouth fand little powerfull VE performance.

In the new Corvette, you'll enjoy:

- A sensational blend of ride and response,
  with steering that responds precisely to
  driver input
- Excellent noise and vibration control, for an impressive level of overall refinement.

Without great structure, a great care
is impossible. The 1997 Corvette sets
a new standard for high-performance
automobiles.



#### THIS IS MORE THAN NEW TECHNOLOGY. It's a whole new level of exhilaration.

While driving a Corvette has always been pulse quickening, now the experience soars to a new high.

The all-new, fully independent suspension uses an advanced SLA (Short/Long Arm) design for all four wheels. Also known as "double wishbone" or "double A arm," this is the preferred design for high-performance sports and racing cars today.

Words that the test drivers have used to describe this carefully tuned suspension include "predictable," "precise," "stable" and "refined." The ride is smoother than ever before, yet this Corvette responds with poise and balance that will delight the sports car enthusiast.

There are three distinct suspension choices for 1997. FE1 is designed to please the majority of Corvette drivers with its outstanding blend of ride and response, and it is standard equipment.

For those enthusiasts seeking the ultimate in Corvette technology, the optional F45 with Real Time Damping is the suspension that "thinks." F45 features computer-controlled shock absorbers that automatically increase shock absorber rates in "real time" — 10 to 15 milliseconds — as road conditions dictate. The system automatically counteracts roll in turns, as well as lift and dive. With F45, there are are three manual settings — Touring, Sport and Performance — each with its own distinct range of ride firmness.

Then there's Z51. This is a suspension option for die-hard performance fans, and it is the racing-inspired package you'll want if you intend to participate in sanctioned competitive events. Z51 components include stiffer springs, larger stabilizer bars and larger monotube shocks.

FE1. F45. Z51. Three great choices, because not everyone wants the same Corvette.





Corvette features battery-rundown protection that automatically shuts off interior lights (should you forget to do sol after the car has been sitting with the ignition off for 20 minutes. If your Corvette is left with the ignition off for over 24 days, it cuts power to accessories to help afferrate battery rundown

You might not believe the amount of cargo room - 248 cu.ft. That's nearly twice as much as last year. and more cargo room than you'll find in most sedana

Tivin midships-mounted fuel tanks anhance weight distribution and enable consistent handling regardless of fivel level.

The new, lightweight one-piece roof panel is easily removable unthout the use of any tools. You may choose from a body-color panel (standard), a translucent blue-tinted panel footionall, or both

panels fopoonal).

The rear location of the transmission gnabled Corvette designers to increase interior room while maintaining excellent weight distribution (nearly 50/50)

Side window glass is 25 percent thicker than last year, for a quiet highway ride.

New Solar-Ray glass

for all windows helps

to keep the interior of

your new Corvette

solar rays.

coal by filtering out

many heat-producing

Electric heated, outside mirrors are larger than before, and are designed to be foldable for ease of parking in zight quarters.

Impact absorbing "5-mph" front and rear bumpers exceed Federal requirements and feature resilient covers, to resist minor dings and dents.

Remote Function Actuation system allows you to automatically look or unlock doors, turn on interior lights. or unlock the rear hatch from up to 30 feet away.

New tuned optic halogen headlamps light the way better than conventional tamps: Optional halogen foglamps enhance your view of the road in foggy conditions

GM's innovative PASS-Key II theftdeterrent system and alarm are standard. PASS-Key II is a Only your specially coded ignition key starts your Corvette.

totally passive system.



Convette features composite outer body panels that will never rust. The door outer. panels, fenders and rear quarter panels are made of flexible composite material. which protects against minor dents and dings.

exterior finish is the glass smooth composite body panels. There are foor layers of paint, including a lustrous hase cost and a final clear cost. The result is point that's show ready.

The foundation for

Corvette's beautiful

New Goodyear. Eagle F1 GS tires are an Extended Mobility design that combine The 1997 Corvette is performance tre three inches wider than characteristics with its predecessor, and all weather grip. features an eight-inch. langer wheelbase, for

enhanced stability and

ride smoothness.

### **ENGINE SPECIFICATIONS:** 5.71 Rer 5.511 W SPI Cart Aluminum Block Cast Aleminum Hirads Ruller Hybraulic Littery 15' Bora & 167' Strake Offene Bora & 42mm Strakel Otaci Con Dilica Redire SFM: 6000 Displayament ST liters Compression Ratio 18.11 For Induction Sequential Fuel Injection (SFI) 345 Perseponent & SIGS FPM 350 Torque (Ib.-5.) ID AIDS RPM. Statebook Steel Extraort System 4 Four Corner Est Talpipes Call Near Plug Ignition System Alternator: 55 anys 40 little; 132 anys reprinsers Battery Capacity ISAE capacity ratings 1000 aca Recommended Fuelt Premium Univaded ST Octane PERFORMANCE: Performance Data Weight to power ratio, man mana (8s. hpr 321 Weight to power rate, suts trank (bs. fg) 9.41 Coefficient of drag (CB) 221 Specific output tradited 85.51 Acceleration 8-50 righ, muc. many base.) 4.72 0-50 hgh, sutt. Tank (set.) 525 Top speed (myh) 175 134 mile faecuments 10.39/1054 **Cathool Appelieston** Benking 95-9 euch (%) **Funl Economy** Man, trans. EVA tolesge (MVG olubers) 16/201 Auto Irona, DYA solicage (MPG city/hes) 13/255 "Fisherman" - subject to sharps"



Building Corvettes isn't all business.

From the first concept drawing to the final inspection on the Bowling Green, Kentucky assembly line, the new Corvette is the product of a love affair. Every team member who works on Corvette does it with passion — and it shows in a car that's better than ever.

According to Dave Hill, Corvette chief engineer, team members considered every aspect of the vehicle for potential improvement. "We examined our weak points, and turned them into strengths. Things that were great are now even better."

Now, an American masterpiece prepares to take on the world. It's signed, "Corvette."





The straight-line performance is sensational. The handling is wonderfully quick and precise. But, it's the new level of refinement that's so intriguing.

Variable-effort Magnasteer and the silky

"drive-by-wire" Electronic Throttle Control
give Corvette the character of an expensive European GT. The clutch action is
light and precise. And, a dramatically
low cowl and hoodline provide excellent
visibility, a feeling of total control and
a new sense of oneness with the road.

The attitude is smooth and refined.

And then you put your foot down.





Step inside — over that dramatically lower rocker panel, by the way — and you'll find an interior that is designed around you.

There's considerably more room for you and your passenger, especially in the footwells. The view of the road is terrific, thanks to the low cowl and generous glass area, and newly contoured seats (standard or optional Sport with inflatable lumbar support) provide a level of comfort that's better than ever.

There has never been a more elegant

Corvette interior. Nuance leather seating
surfaces add luxury and classic style.

Of course, there are power controls for
driver's seat, windows (with ExpressDown feature), doors and mirrors.

The quiet, refined, luxurious sports car interior. Oxymoron? Not in a Corvette. Electronic speed control with Resume Speed

Optional Memory Package.

Electrically heated power mirrors.

Power door locks.

Power windows with an Express-Down feature for both driver and passenger. 4-speed automatic transmission (standard) or 6-speed manual transmission (optional).

To proper

8 KW

No. and

Ignition key on instrument panel.

Tilt wheel and speed-sensitive power steering.

reo.

400 MI

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-10

COOKETES



Electronic temperature control and dual-zone (driver/passenger) climate controls are optional.

> New, more conveniently located parking brake handle.

Optional F45 Selective Real Time Damping Control. Standard Traction Control On-Off switch.

### DRAMATICALLY DIFFERENT, YET CLASSICALLY CORVETTE.

Everything you see here is dramatically new. Yet this interior is classically Corvette, from the padded "grab bar" to the "dual-cove" instrument panel.

You are surrounded by features (such as power mirrors and a tilt steering wheel) that make Corvette just seem so "right."

Audiophiles will applaud the incredible new 252 watt, 6-speaker, Delco Electronics stereo with Bose speakers. A cassette player, speed-compensated volume and automatic tone control are included. Options include a CD player and a 12-disc CD changer.



### YOU'VE NEVER READ ANYTHING LIKE THIS BEFORE.

The new Corvette communicates with a passion you've never before seen.

0

4 OPTIONS

RESET

EIM

5

Precise new analog gauges include ultraviolet or "black light" illumination.

With this innovative technology, two ultraviolet lights in the instrument panel illuminate the graphics, for very defined and dramatic lighting.

Location for every control was carefully chosen and the controls themselves — based on a soft-touch technology — feature contoured surfaces with appealing tactile and graphic qualities.

An alpha-numeric Driver Information

Center is positioned below the gauge
cluster. The DIC includes readouts for oil
pressure, oil temperature, coolant temperature, transmission fluid temperature,
battery volts, instant/average MPG and
range, tire pressure and much more.

The DIC is capable of displaying that information in any of four languages (English, German, French or Spanish).

The driver can also choose to have information in either English or metric units. This Corvette just might be the most intelligent car you've ever driven.

# WE PUT A LOT MORE INTO CORVETTE THIS YEAR. YOU CAN, TOO.

This is the best equipped Corvette ever.

You'll love the way it performs, and, just as important, you'll love the thoughtful design features and luxurious details.

Now standard in every Corvette: a unique programmable Remote Function Actuation system, conveniently located cup holder and console storage, and a lighted and lockable glove compartment.

Trunk room is more than 24 cubic feet —
more than in some full-size sedans! In a '97
Corvette, you can easily carry two large
bags of golf clubs, and the reach-over distance has been shortened to make the trunk
easier to access.

In product clinics, people told us everything they wanted in a sports car. They told us how they used their sports cars. We listened carefully. And we built a better Corvette.

The optional Memory Package allows the Corvette driver to customize up to three different settings for exterior mirrors, radio presets, climate control and driver's seat positions. Great for households with more than one person who likes to drive the Corvette.

Safety belt buckles "travel" with the seat, so you don't have to search for them after adjusting the seat. Very convenient! And, seat travel has been increased to accommodate a greater range of adults.

A padded center armrest, a cup holder and lockable storage area with room for CDs, cassettes, portable phones, etc., are featured in the center-console area. An auxiliary power outlet is also included.

The one-piece removable top features a magnesium frame, which helps make the top lighter and easier to remove. Latches are easy to use, and no special tool is required. The Delco Electronics AM/FM stereo has a "train" that remembers the tone control setings for each station and recalls them when the station is selected. Antennas hidden in the windshield and rear window glass proinde great reception and aren't susceptible to damage in car washes.

The new Bose speakers feature the same thin-profile, lightweight speaker technology used in the new Gulfstream V business jet it's a 252-watt system, tuned precisely to Corvette.

Three covered storage compartments are located behind the seats in the floor of the rear hatch area. Optional: a security shade that can provide additional hidden storage in the rear compartment.

and unlocks doors or hatch (automatically or manually, depending on your preference) from up to 30 feet away and also turns on interior lights. New for 1997: a Secure. Return feature that allows an approaching driver to turn on interior, back-up and turn signal lamps for a halo lighting effect. A horn alarm and PASS-Key theft deterrent system are also standard.

Remote Function Actuation system locks

















# A COMPREHENSIVE SAFETY PACKAGE IS STANDARD EQUIPMENT IN THE NEW CORVETTE.

excellence in design. You'll see it in every aspect of the new Corvette, including the most comprehensive standard safety package in Corvette history.

Crash-avoidance features include standard ABS, automatic Daytime Running Lamps integrated with the parking lamps, and headlamps with more precisely tuned optics than conventional designs.

Occupant protection features include a new high-strength perimeter frame, doors with side-impact bars and energy-absorbing materials, cross-car structural beams and a steel safety cage.

Advanced safety design. It's one more way Corvette showcases American technology.





#### BUMPER TO BUMPER WARRANTY.

The GM 3-year/36,000-mile (whichever comes first) limited warranty covers repairs for all 1997 Corvettes, including labor and parts, to correct any defects in material or workmanship occurring during the warranty period. The complete vehicle (including tires) will be covered for 3 years or 36,000 miles (whichever comes first). There is also emissions control system coverage, which varies by geographical region. There is no deductible. See your Chevrolet dealer for full terms of this limited warranty.

#### 24-HOUR ROADSIDE ASSISTANCE.

We'll get you back in your car, Out of gas? We'll get you gas. Roadside Assistance is provided through a toll-free number (1-800-CHEV-USA) 24 hours a day, 366 days a year. Roadside Assistance offers two levels of service, Basic Care and Courtesy Care.

#### Roadside Basic Care provides:

- \* Free towing for warranty repairs (to closest dealer)
- . Over-the-phone basic technical advice
- · Available dealer services at reasonable costs (i.e., wrecker services, locksmith/key

service, glass repair, etc.). Roadside Basic Care covers you for as long as you own your Corvette.

Roadside Courtesy Care provides all the features of Roadside Basic Care, plus-

- Free towing (to closest dealer)
- · Free locksmith/key service (when keys are lost on the road or

locked inside)

- \* Free flat tire-change or jump-start service
- · Free fuel delivery on the road. Courtesy Care is available to you for a period of 3 years or 36,000 miles (whichever comes first).

#### COURTESY TRANSPORTATION.

Customers who purchase or lease a 1997 Corvette are eligible for Courtesy Transportation (at no additional charge) when their vehicles are left at a participating dealership for repairs covered under the 3-year/36,000-mile Bumper to Bumper limited warranty. Courtesy Transportation, at participating dealers only, may include expense reimbursement, shuttle service or vehicle rental. See your dealer for details:

#### CUSTOMER ASSISTANCE.

The Chevrolet Customer Assistance Center (CAC) has a special toll-free number (1-800-222-1020). Lost? We'll help you find your way, Locked out? 🕨 It puts you in contact with Chevrolet experts who 🖤 can handle any product or service question or problem you may have.

#### **GM PROTECTION PLAN.**

The available 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 the U.S. and Canada.

#### ENGINES.

Chevrolets are equipped with engines produced by different operating units of GM, its subsidiaries or suppliers to GM worldwide.

#### CORROSION PROTECTION.

Chevrolets are designed and built to resist corrosion. Corvettes feature composite outer body panels that will never rust. Application of additional rust-inhibiting materials is not required under the corrosion coverage and none is recommended.

#### ASSEMBLY.

Chevrolets are assembled by different operating units of General Motors, its subsidiaries or suppliers to GM worldwide. Chevrolets incorporate thousands of components produced by different operating units of GM, its subsidiaries or suppliers to GM worldwide.

We sometimes find it necessary to produce Cheyrolets with different or differently sourced components than originally scheduled. All in Chevrolets and will provide the quality performance associated with the Chevrolet name. Since some options may be unavailable when your vehicle is assembled, we suggest you verify that your vehicle includes the equipment you ordered or, if there are changes, that they are acceptable to you.

#### 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.

#### IMPORTANT: A WORD ABOUT THIS CATALOG.

We have tried to make this catalog as comprehensive and factual as possible. We reserve the right, however, to make changes at any time, without notice, in prices, colors, materials, equipment, specifications, models and availability. Since some information may have been updated since the time of printing, please check with your Chevrolet dealer for complete details.



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