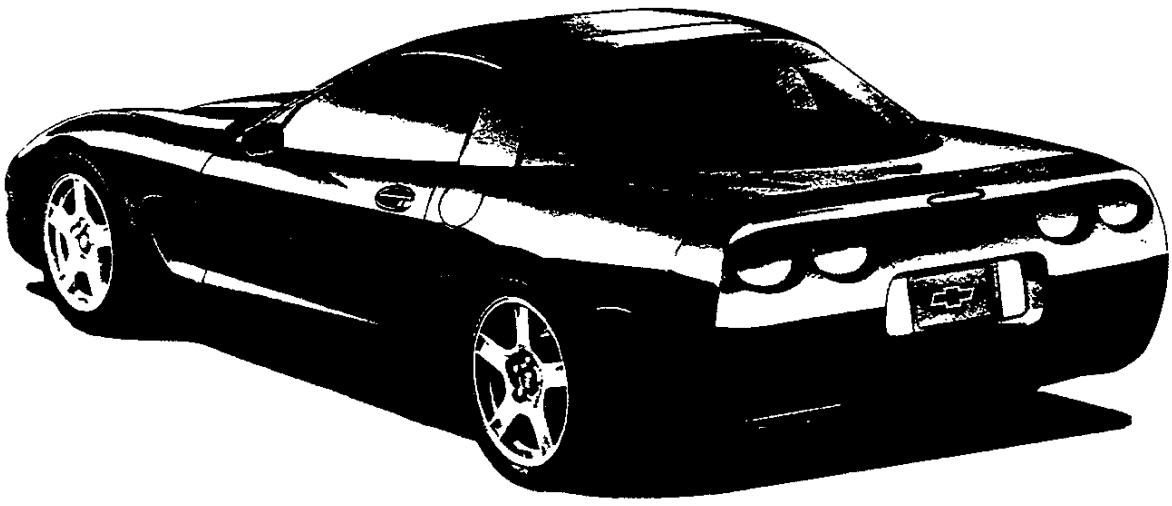
1999

CHEVROLET CORVETTE



WARRIOR

The new Corvette hardtop for 1999.

By Richard A. Lentinello

PHOTOGRAPHY BY THE AUTHOR

Lighter, quicker and cheaper are the three primary ingredients that are the hallmark of Chevrolet's new 1999 Corvette hardtop. It's a Corvette designed in the old world tradition of what a true sports car is all about: a no-nonsense, option-void, lightweight performance car built for the serious driver. The kind of Corvette that real, hard-core Corvette enthusiasts have been waiting for a long, long time. And, in just a few short months, it will be yours to purchase in Chevrolet showrooms everywhere. For Bowtie thrill seekers who appreciate a no-bull, fat-free attitude to the fullest, clean the champagne glasses and start pouring the bubbly.

If you've already had the good fortune to experience what it's like to drive a fifth-generation Corvette, then you won't be disappointed to discover that the same tight, structurally sound build quality, as well as driving comfort and user-friendly ergonomics, found in the higher-priced coupe and convertible models remain as the foundation for the less expensive hardtop. This also holds true for the engine and drivetrain, which remain the same, albeit with a few less available options.

So just what is it that makes the new hardtop Corvette—priced around $36,000-perform above and beyond its higher costing siblings even though it has the same 345-horsepower LS1? Simple. The hardtop's quicker acceleration and superior cornering prowess are attributed to one basic scientific equation: lighter weight means a higher power-to-weight ratio. Nothing more.

Just as the name implies, this new Corvette model looks like a convertible that's been fitted with a hardtop for the winter months. And it is. Except this hardtop is fixed, bonded to the frame

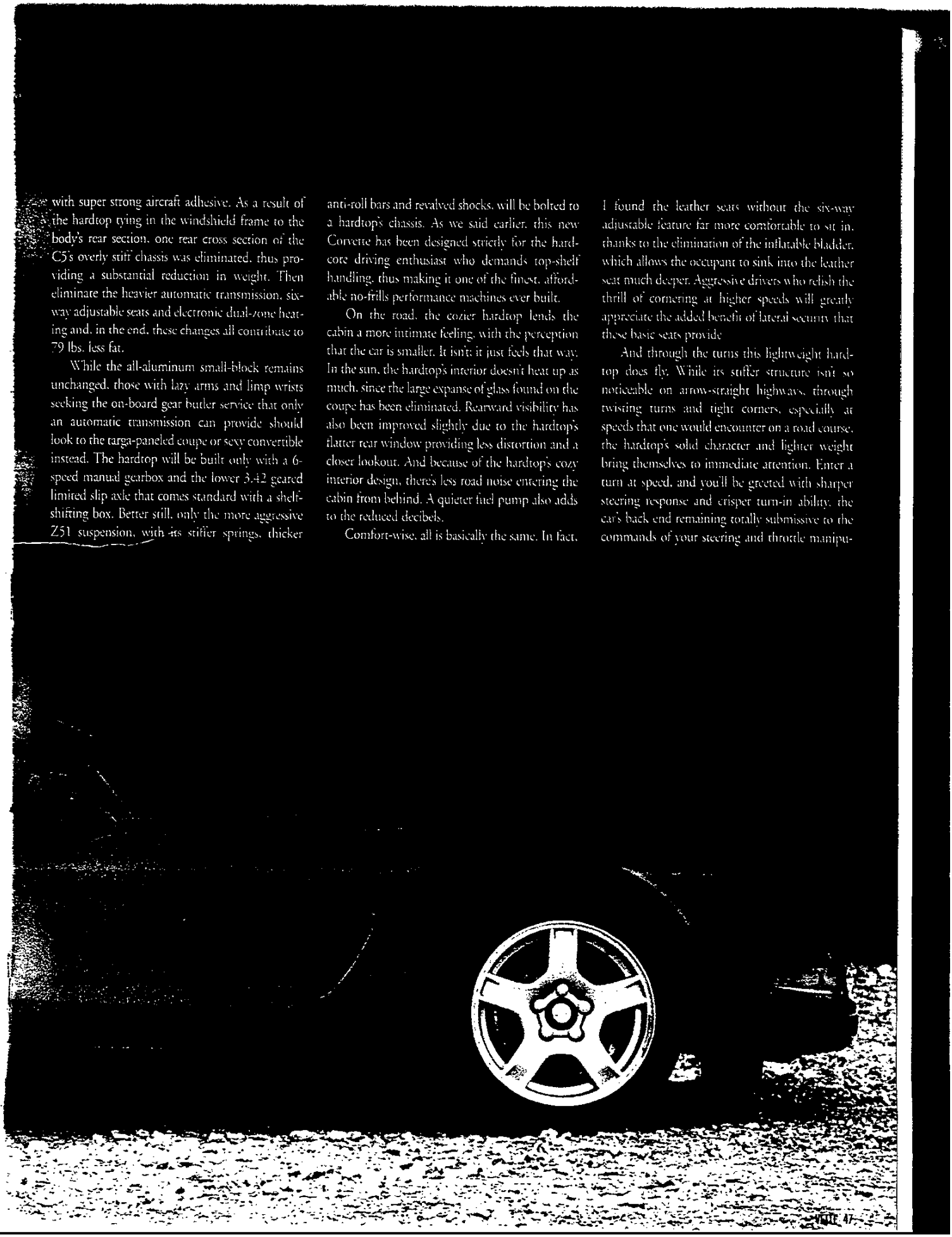
e with super strong aircraft adhesive. As a result of the hardtop tying in the windshield frame to the body's rear section, one rear cross section of the C5's overly stiff chassis was eliminated, thus providing a substantial reduction in weight. Then eliminate the heavier automatic transmission, six-way adjustable seats and electronic dual-zone heating and, in the end, these changes all contribute to 79 lbs. less fat.

While the all-aluminum small-block remains unchanged, those with lazy arms and limp wrists seeking the on-board gear butler service that only an automatic transmission can provide should look to the targa-paneled coupe or sexy convertible instead. The hardtop will be built only with a 6-speed manual gearbox and the lower 3.42 geared limited slip axle that comes standard with a shelf-shifting box. Better still, only the more aggressive Z51 suspension, with its stiffer springs, thicker anti-roll bars and revalved shocks, will be bolted to a hardtop's chassis. As we said earlier, this new Corvette has been designed strictly for the hard-core driving enthusiast who demands top-shelf handling, thus making it one of the finest, affordable no-frills performance machines ever built.

On the road, the cozier hardtop lends the cabin a more intimate feeling, with the perception that the car is smaller. It isn't; it just feels that way. In the sun, the hardtop's interior doesn't heat up as much, since the large expanse of glass found on the coupe has been eliminated. Rearward visibility has also been improved slightly due to the hardtop's flatter rear window providing less distortion and a closer lookout. And because of the hardtop's cozy interior design, there's less road noise entering the cabin from behind. A quieter fuel pump also adds to the reduced decibels.

Comfort-wise, all is basically the same. In fact, I found the leather seats without the six-way adjustable feature far more comfortable to sit in, thanks to the elimination of the inflatable bladder, which allows the occupant to sink into the leather seat much deeper. Aggressive drivers who relish the thrill of cornering at higher speeds will greatly appreciate the added benefit of lateral security that these basic seats provide.

And through the turns this lightweight hardtop does fly. While its stiffer structure isn't so noticeable on arrow-straight highways, through twisting turns and tight corners, especially at speeds that one would encounter on a road course, the hardtop's solid character and lighter weight bring themselves to immediate attention. Enter a turn at speed, and you'll be greeted with sharper steering response and crisper turn-in ability, the car's back end remaining totally submissive to the commands of your steering and throttle manipu-



STANDARD FEATURES

Interior

Next-generation air bags
Air conditioning with CFC-free refrigerant
Center console with cup holder, ashtray and lockable storage
Tilt wheel
Leather-wrapped steering wheel
Electronic speed control
AM/FM stereo with cassette player
Scotchgard protection on carpeting
Electric rear-window defogger
Power door locks
Power windows with driver and passenger express-down feature
Leather bucket seats
Driver information center
Solar-Ray tinted glass
Center cargo bin cover

Exterior

Daytime running lamps
Dual, power, heated outside rearview mirrors
17-inch front and 18-inch 5-spoke aluminum wheels
Fixed-mast radio antenna

MECHANICAL

5.7-liter LS1 V8 engine with 345 hp
6-speed manual gearbox
Heavy-duty 4-wheel antilock disc brakes with ABS
Traction control
Remote Function Actuation includes passive Remote Keyless Entry system
PASS-Key II theft-deterrent system
4-wheel independent double wishbone suspension
Z51 suspension package
Goodyear Eagle F1 Extended Mobility Performance tires
Speed-sensitive power rack-and-pinion steering
Low tire-pressure warning system

COLORS

Exterior

Black
Nassau Blue Metallic
Torch Red
Arctic White
Light Pewter Metallic

Interior

Black

NOT AVAILABLE

Exterior Colors

Sebring Silver Metallic
Magnetic Red Metallic

Interior Colors

Light Oak
Light Gray
Firethorn Red

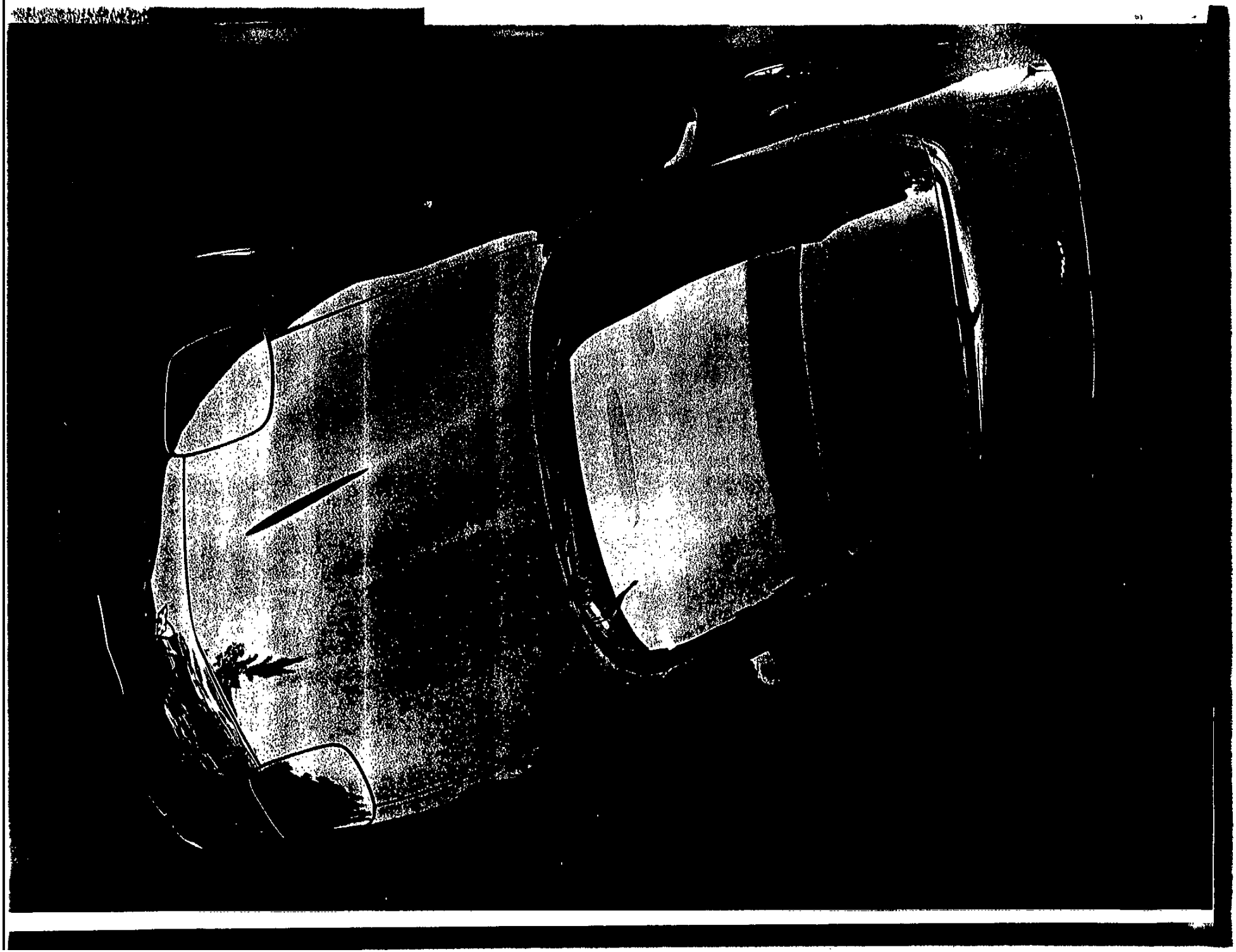
OPTIONS AVAILABLE

6-way power driver's seat
AM/FM cassette stereo with Bose speakers
AM/FM with CD player and Bose speakers
12-disc remote CD changer
Bose speakers
Body side moldings
Active Handling System

OPTIONS NOT AVAILABLE

Electronic dual-zone air conditioning/heating
Luggage shade and parcel net
Memory package: seats, mirrors, radio, HVAC
6-way power passenger seat
Halogen fog lamps
Removable roof panel
F45 Real-Time Damping suspension
4-speed automatic transmission
Twilight Sentinel with Automatic Exterior Lamp Control
HUD: Heads-Up Display instrumentation
Power telescoping steering column

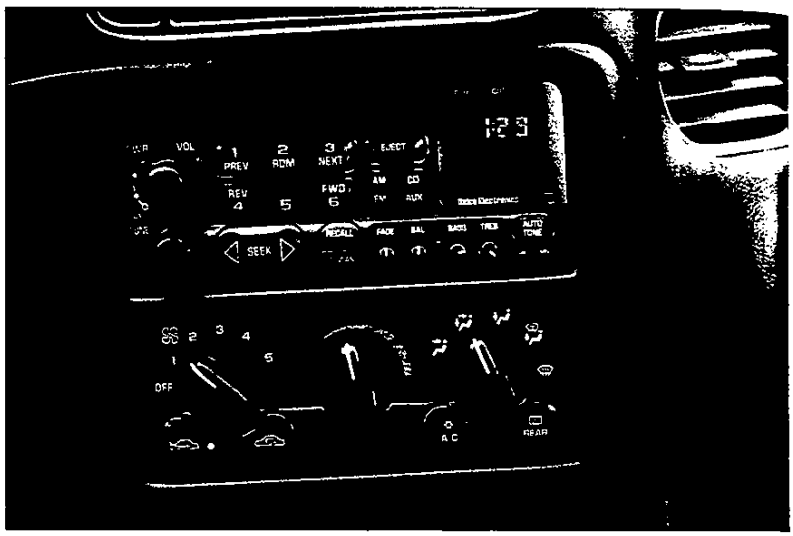
The new Corvette has been designed strictly for the hard-core driving enthusiast who demands top-shelf handling.

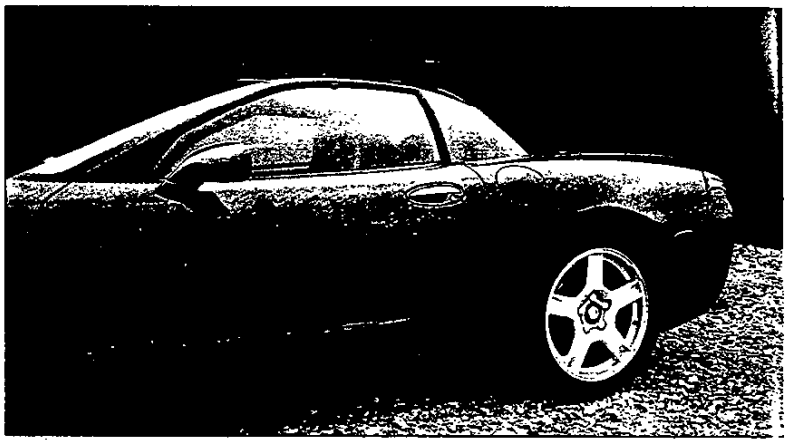


lation. And, thanks to its trimmer tummy, the hardtop is far more tossable, exhibiting a carefree fling-me-around attitude that road racers and autocrossers will enjoy immensely. Overall the stiffer hardtop feels noticeably more neutral when cornering, with a solid feeling of stability that makes the driver feel more in control and more secure. It feels wonderfully exciting.

Add the thrill of quicker acceleration and a faster throttle response, thanks to the lighter chassis load, which doesn't rob the engine of as much power as it does in the heavier coupe and convertible, and the new Corvette hardtop clearly is the absolute No. 1 choice for what serious Corvette driving enthusiasts want to experience behind the wheel of their car. There's a high level of seat-of-the-pants excitement that can only be found in the new 1999 hardtop—without question, a Corvette worth waiting for.

The hardtop is far more tossable, exhibiting a carefree fling-me-around attitude that autocrossers will appreciate.





STANDARD EQUIPMENT SUMMARY

		COUPE 1YY07	HDTOP 1YY37	CONV 1YY67
CHASSIS				
AXLE RATIO:	3.42 LIMITED SLIP AXLE	S		
	2.73 LIMITED SLIP (W/OPTIONAL MN6 TRANSMISSION 3.42 LIMITED SLIP AXLE IS STANDARD)	S	--	S
BRAKES:	4-WHEEL ANTI-LOCK/DISC FRONT AND REAR	S	S	S
ENGINE:	5.7 LITER SFI V8	S	S	S
ENGINE ACCESS:	REAR OPENING HOOD W/UNDERHOOD LAMP	S	--	S
	REAR OPENING HOOD	--	S	--
IGNITION SYSTEM:	DISTRIBUTORLESS OPTI-SPARK	S	S	S
SPRINGS:	TRANSVERSE FIBERGLASS LEAF SPRINGS	S	S	S
STEERING:	SPEED SENSITIVE VARIABLE ASSIST RACK AND PINION	S	S	S
SUSPENSION:	PERFORMANCE HANDLING PACKAGE INCLUDES STIFFER SPRINGS AND STABILIZER BARS	S	S	S
TRACTION CONTROL:	IMPROVES TRACTION AND ENHANCES VEHICLE STABILITY	S	S	S
TRANSMISSION:	6-SPEED MANUAL	S	--	S
	4-SPEED AUTOMATIC W/BRAKE TRANS INTERLOCK	S	--	S
INTERIOR				
AIR CONDITIONING:	MANUAL	S	S	S
CONSOLE:	CENTER WITH CUPHOLDER, ASHTRAY, COIN TRAY, CASSETTE AND CD STORAGE	S	S	S
DEFOGGER:	REAR WINDOW	S	S	S
	SIDE WINDOWS	S	S	S
GLASS:	TINTED, SOLAR-RAY	S	S	S
GAUGES	ELECTRONIC WHITE ANALOG GAGES AND MULTI-LANGUAGE DRIVER INFORMATION CENTER	S	S	S
KEYLESS ENTRY:	PASSIVE/ACTIVE W/PANIC BUTTON AND HATCH/TRUNK RELEASE	S	S	S
MIRRORS:	REARVIEW, DAY/NIGHT WITH READING LAMPS	S	S	S
LIGHTING:	COURTESY INTERIOR, CARGO, CONSOLE AND GLOVEBOX	S	--	S
	GLOVEBOX AND MAP LIGHTS	--	S	--
LOCKS:	POWER	S	S	S
THEFT DETERRENT:	PASSKEY II THEFT SYSTEM W/ALARM	S	S	S
RADIO:	ELECTRONICALLY TUNED AM/FM STEREO RADIO W/SEEK-SCAN, DIGITAL CLOCK, STEREO CASSETTE TAPE	S	S	S
	BOSE SPEAKERS	S	--	S
RESTRAINT SYSTEM:	NEXT GENERATION DRIVER AND FRONT PASSENGER AIR BAGS	S	S	S
FABRIC PROTECTOR:	SCOTCHGARD ® ON FLOOR COVERING	S	S	S

STANDARD EQUIPMENT SUMMARY

INTERIOR CONT'D

		COUPE 1YY07	HDTOP 1YY37	CONV 1YY67
SEATS:	LEATHER SEATING SURFACE BUCKET WITH LATERAL SUPPORT AND BACK ANGLE ADJUSTMENT	S	S	S
	POWER 6-WAY DRIVER SEAT	S	–	S
STEERING:	TILT WHEEL, SPORT, LEATHER WRAPPED	S	S	S
STORAGE:	LOCKABLE GLOVEBOX, CENTER CONSOLE, AND THREE REAR COMPARTMENTS, REAR CENTER COMPARTMENT WITH COVER	–	S	–
	LOCKABLE GLOVEBOX, CENTER CONSOLE AND THREE REAR COVERED COMPARTMENTS	S	–	S
VISORS:	DUAL LIGHTED MIRRORS	S	–	S
	DUAL MIRRORS	–	S	–
SPEED CONTROL:	ELECTRONIC WITH RESUME SPEED	S	S	S
WARNING LIGHT:	LOW OIL LEVEL	S	S	S
WINDOWS:	POWER WITH DRIVER AND PASSENGER EXPRESS DOWN	S	S	S

EXTERIOR

ANTENNA:	POWER	–	–	S
	FIXED MASTED	–	S	–
	INTEGRAL, FRONT AND REAR	S	–	–
BODY STRUCTURE:	UNIFRAME-DESIGN W/CORROSION-RESISTANT COATING	S	S	S
HATCH:	REAR, FULL FRAMED W/INTERIOR REMOTE RELEASE	S	–	–
HEADLAMPS:	POWER-OPERATED RETRACTABLE HALOGEN	S	S	S
INDUCTION SYSTEM:	OUTSIDE AIR	S	S	S
LIGHTS:	DAYTIME RUNNING	S	S	S
MIRRORS:	DUAL BODY COLORED, ELECTRIC, HEATED	S	S	S
PAINT:	BASE-COAT/CLEAR-COAT	S	S	S
ROOF:	MANUAL INSULATED TOP W/HEATED GLASS BACK LIGHT	–	–	S
	ONE-PIECE REMOVABLE PANEL	S	–	–
	FIXED	–	S	–
TIRES:	P245/45ZR-17 FRONT, EXTENDED MOBILITY EAGLE F-1 GS TIRES	S	S	S
	P275/40ZR-18 REAR, EXTENDED MOBILITY	S	S	S
TRUNK:	REAR W/INTERIOR REMOTE RELEASE	–	S	S
WARNING:	TIRE PRESSURE MONITORING SYSTEM	S	S	S
WIPERS:	INTERMITTENT	S	S	S
WHEELS:	ALUMINUM 17 X 8.5 FRONT 5-SPOKE	S	S	S
	ALUMINUM 18 X 9.5 REAR 5-SPOKE	S	S	S

	1SA
Base Equipment Group	x

ADDITIONAL OPTIONS

OPTION	
	ACKNOWLEDGMENTS:
R8S	Multiple Order Numbers
R8T	Preliminary Invoice
JL4	**ACTIVE HANDLING SYSTEM:** The Active Handling System provides additional security in slippery conditions or in extreme handling maneuvers. The Active Handling System can automatically apply one of the vehicle's brakes to assist in correcting vehicle oversteer and understeer when the driver's intended direction differs from the vehicle's actual direction.
CJ2	**AIR CONDITIONING:** Electronic Dual Zone
G92	**AXLE:** 3.15 Performance Ratio (N/A MN6 Transmission)
F45	**CONTINUOUSLY VARIABLE REAL TIME DAMPING:** The Handling Package for Ultimate Driver Comfort and Control through the use of a Driver Adjustable Ride Control System (Incls Standard Suspension Components and Delphi Adjustable Ride Control System) (N/A Z51 Performance Handling Package)
[illegible]	**CORVETTE MUSEUM DELIVERY:** (Acknowledgment Form Required)
UV6	**HEADS UP DISPLAY**
	EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)
FE9	Federal Emission Requirements
NG1	Connecticut, District Of Columbia, Delaware, Massachusetts, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island or Virginia Emission Requirements
YF5	California Emission Equipments
NB8	CA, CT, DC, DE, MA, MD, NH, NJ, NY, PA, RI, or VA Emission Override (Reqs FE9 Emissions)
NC7	Federal Emission Override (Reqs YF5 or NG1 Emissions)
B34	**FLOOR MATS:** Front
T96	**FOG LAMPS**
V49	**LICENSE PLATE FRAME:** Front
D42	**LUGGAGE SHADE AND PARCEL NET**
B84	**MOLDINGS:** Body Side
AAB	**MEMORY PACKAGE:** Remembers Settings for OSRV Mirrors, Radio, HVAC, and Driver Power Seat Settings (Reqs CJ2 Air Conditioning)
Z51	**PERFORMANCE HANDLING PACKAGE:** Performance Oriented Package For the Gymkhana/Autocross Enthusiast (Incls Stiffer Springs and Stabilizer Bars) (w/o MN6 Transmission Reqs G92 Axle) (N/A F45 Continuously Variable Real Time Damping)
	RADIO EQUIPMENT:
UN0	Delco Electronically Tuned AM/FM Stereo Radio, w/Seek-Scan, Automatic Tone Control, Compact Disc Player, Digital Clock, Theft Lock, and Speed Compensated Volume. Bose Speaker System
U1S	Compact Disc Changer, Remote
	ROOF:
C2L	Roof Package Includes Standard Solid Panel and Blue Transparent Panel
CC3	Top, Blue Transparent (Incl w/C2L Roof Package)
	SEATS: (MUST SPECIFY)
AR9	Bucket (Standard)
AQ9	Adjustable Bucket (Reqs AG2 Power Seat)
AG2	**SEATS, ADDITIONAL:** Power, 6-Way Passenger
N37	**STEERING COLUMN:** Power Telescoping & Manual Tilt (Reqs AAB Memory Package)
	TRANSMISSION: (MUST SPECIFY)
MX0	4-Speed Automatic w/Brake Trans Shift Interlock
MN6	6-Speed Manual
T82	**TWILIGHT SENTINEL**

CORVETTE COUPE

INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

Please Note: Below are the interior trim color and exterior paint combinations ***recommended*** by Chevrolet. However, any available interior trim color may be ordered with one of these exterior colors if that particular combination is desired by the customer.

TRIM LEVEL	(a) **SEAT**	INTERIOR COLORS			
Seat Type	Opt	Black	Lt Gray	Firethorn Red	Light Oak
Leather Adjustable Sport Bucket	AR9	193	923	943	673
Leather Adjustable Sport Bucket	(b) AQ9	193	923	943	673
Exterior Colors Solid Paint	Color Code	RECOMMENDED INTERIOR TRIM COLORS			
Black	41U	x	x	x	x
Blue, Nassau (Met)	23U	x	x		x
Pewter, Lt (Met)	11U	x	x	x	
(c) Red, Magnetic (Met)	86U	x	x	x	x
Red, Torch	70U	x	x		x
Silver, Sebring (Met)	13U	x	x	x	
White, Arctic	10U	x	x	x	x

(a) Seat Option AR9 or AQ9 Must Be Specified

(b) Reqs AG2 Power Seat

(c) Additional Charge

	1SA
Base Equipment Group	X

ADDITIONAL OPTIONS

OPTION	
	ACKNOWLEDGMENTS:
R8S	Multiple Order Numbers
R8T	Preliminary Invoice
JL4	**ACTIVE HANDLING SYSTEM:** The Active Handling System provides additional security in slippery conditions or in extreme handling maneuvers. The Active Handling System can automatically apply one of the vehicle's brakes to assist in correcting vehicle oversteer and understeer when the driver's intended direction differs from the vehicle's actual direction.
CJ2	**AIR CONDITIONING:** Electric Dual Zone
G92	**AXLE:** 3.15 Performance Ratio (N/A MN6 Transmission)
F45	**CONTINUOUS VARIABLE REAL TIME DAMPING:** The Handling Package for Ultimate Driver Comfort and Control through the use of a Driver Adjustable Ride Control System (Incls Standard Suspension Components and Delphi Adjustable Ride Control System) (N/A Z51 Performance Handling Package)
R8C	**CORVETTE MUSEUM DELIVERY:** (Acknowledgment Form Required)
UV6	**HEADS UP DISPLAY**
	EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)
FE9	Federal Emission Requirements
NG1	Connecticut, District Of Columbia, Delaware, Massachusetts, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island or Virginia Emission Requirements
YF5	California Emission Equipments
NB8	CA, CT, DC, DE, MA, MD, NH, NJ, NY, PA, RI, or VA Emission Override (Reqs FE9 Emissions)
NC7	Federal Emission Override (Reqs YF5 or NG1 Emissions)
B34	**FLOOR MATS:** Front
T96	**FOG LAMPS**
V49	**LICENSE PLATE FRAME:** Front
B84	**MOLDINGS:** Body Side
AAB	**MEMORY PACKAGE:** Remembers Settings for OSRV Mirrors, Radio, HVAC, and Driver Power Seat (Reqs CJ2 Air Conditioning)
Z51	**PERFORMANCE HANDLING PACKAGE:** Performance Oriented Package For The Gymkhana/Autocross Enthusiast (Incls Stiffer Springs and Stabilizer Bars) (w/o MN6 Transmission Reqs G92 Axle) (N/A F45 Continuously Variable Real Time Damping)
	RADIO EQUIPMENT:
UN0	Delco Electronically Tuned AM/FM Stereo Radio, w/Seek-Scan, Automatic Tone Control, Compact Disc Player, Digital Clock, Theft Lock, and Speed Compensated Volume w/Bose Speaker System
U1S	Compact Disc Changer, Remote
	SEATS: (MUST SPECIFY)
AR9	Bucket (Standard)
AQ9	Adjustable Bucket (Reqs AG2 Power Seat)
AG2	**SEATS, ADDITIONAL:** Power, 6-Way Passenger
N37	**STEERING COLUMN:** Power Telescoping & Manual Tilt (Reqs AAB Memory Package)
	TRANSMISSION: (MUST SPECIFY)
MX0	4-Speed Automatic w/Brake Trans Shift Interlock
MN6	6-Speed Manual
T82	**TWILIGHT SENTINEL**

CORVETTE CONVERTIBLE

INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

Please Note: Below are the interior trim color and exterior paint combinations ***recommended*** by Chevrolet. However, any available interior trim color may be ordered with one of these exterior colors if that particular combination is desired by the customer.

TRIM LEVEL	(a) SEAT	INTERIOR COLORS			
Seat Type	Opt	Black	Lt Gray	Firethorn Red	Light Oak
Leather Bucket	AR9	193	923	943	673
Leather Adjustable Sport Bucket	(b) AQ9	193	923	943	673
Exterior Color Solid Paint	Color Code	RECOMMENDED INTERIOR TRIM COLORS			
Black	41U	16T/41T/67T	16T/41T	16T/41T	16T/41T/67T
Blue, Nassau (Met)	23U	16T/41T	16T/41T		16T/41T/67T
Pewter, Lt (Met)	11U	16T/41T	16T/41T	16T/41T	
(c) Red, Magnetic (Met)	86U	16T/41T/67T	16T/41T	16T/41T/67T	16T/41T/67T
Red, Torch	70U	16T/41T/67T	16T/41T		16T/41T/67T
Silver, Sebring (Met)	13U	16T/41T	16T/41T	16T/41T	
White, Arctic	10U	16T/41T/67T	16T/41T	16T/41T	16T/41T/67T

(a) Seat Option AR9 or AQ9 Must Be Specified

(b) Reqs AG2 Power Seat

(c) Additional Charge

Convertible Top Option Must Be Specified in "Plus" (+) Option Section of Order Worksheet.

WHITE..... 16T BLACK.....41T LIGHT OAK.....67T

FOR INFORMATION ONLY

MODEL 1YY37 CORVETTE HARDTOP

	1SA
Base Equipment Group	x

ADDITIONAL OPTIONS

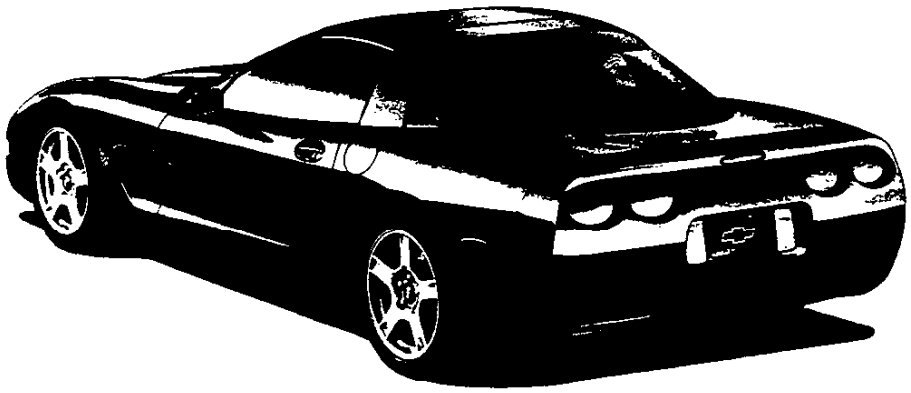
OPTION	
	ACKNOWLEDGMENTS:
R8S	Multiple Order Numbers
R8T	Preliminary Invoice
R8C	CORVETTE MUSEUM DELIVERY Acknowledgment Form Required
	EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)
FE9	Federal Emission Requirements
NG1	Connecticut, District Of Columbia, Delaware, Massachusetts, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island or Virginia Emission Requirements
YF5	California Emission Equipments
NB8	CA, CT, DC, DE, MA, MD, NH, NJ, NY, PA, RI, or VA Emission Override (Reqs FE9 Emissions)
NC7	Federal Emission Override (Reqs YF5 or NG1 Emissions)
B34	**FLOOR MATS:** Front
V49	**LICENSE PLATE FRAME:** Front
TR9	**LIGHTING:** Cargo, Underhood and Vanity Mirror
B84	**MOLDINGS:** Body Side
	RADIO EQUIPMENT:
UN0	Delco Electronically Tuned AM/FM Stereo Radio, w/Seek-Scan, Automatic Tone Control, Compact Disc Player, Digital Clock, Theft Lock, and Speed Compensated Volume. (Reqs UZ6 Speaker System)
U1S	Compact Disc Changer, Remote (Reqs UZ6 Speaker System)
AG1	**SEAT:** Power Six-Way Driver Seat
UZ6	**SPEAKER SYSTEM:** Bose Speaker and Amplifier System

CORVETTE HARDTOP

INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

Please Note: Below are the interior trim color and exterior paint combinations ***recommended*** by Chevrolet. However, any available interior trim color may be ordered with one of these exterior colors if that particular combination is desired by the customer.

TRIM LEVEL	SEAT	INTERIOR COLORS
Seat Type	Opt	Black
Leather Bucket	AR9	193
Exterior Colors	Color	RECOMMENDED INTERIOR
Solid Paint	Code	TRIM COLORS
Black	41U	x
Blue, Nassau (Met)	23U	x
Pewter, Lt (Met)	11U	x
Red, Torch	70U	
White, Arctic	10U	x



1999 PRODUCT INFORMATION GUIDE

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CHEVROLET

For Release: August 1, 1998

Contact: Chevrolet Communications
Chevrolet Media Online: http://media.gm.com/chevy
Phone: 1-800 CHEVY-MI
Fax: 800-504-5073

1999 Corvette Hardtop Hits the Streets

The all-American sports car from Chevrolet offers a fixed-roof coupe for the first time since '67

DETROIT — The fifth-generation Corvette, in its third model year, adds a new sibling to the stable — the '99 Corvette hardtop, the first fixed-roof Vette offered since the legendary second generation Sting Rays of 1963–1967.

The Corvette hardtop joins the coupe (with removable roof panel) and the convertible in the 1999 Corvette lineup. According to Corvette brand manager Dick Almond, the newest Vette has a character all its own.

"Part of our potential customer base really wants a simpler, more elemental, yet high-performance machine," said Almond. "The new hardtop is the ultimate hot sports car, yet it will carry the lowest base price in the Corvette family. Those factors combined should make the consumer appeal for Corvette even greater."

The hardtop features a subtle silhouette distinction that sets it apart from the coupe and convertible, while still preserving the classic Corvette lines. Corvette hardtop standard features include:

- Z51 suspension, designed for sanctioned racing competition or for drivers who demand the ultimate Corvette handling package. Z51 features stiff springs, large stabilizer bars and large monotube shock absorbers. (F45 Real Time Damping Suspension Package not available on hardtop.)
- Six-speed manual transmission (automatic transmission not available).
- Limited-slip rear axle with 3.42 ratio.

The hardtop is a rarity among the many iterations of Vettes offered through the years. The only other fixed-roof coupes offered in the '60s are among the most collectible — the most memorable of which is the first, the 1963 "split-window" Corvette Sting Ray.

"The '99 hardtop is most certainly 'legend' material," said Almond. "There's a historical significance surrounding this car that's hard to come by these days. While it's impossible to predict, there's an excellent chance that the Vette hardtop is going to be one of the classic Vettes in an already legendary lineage."

- MORE -

1999 Corvettes are Big on Power, Handling and Comfort

All three Corvette models are designed to provide a high-level of performance and convenience, contributing to Corvette's standing as the premier American sports car.

The 5.7-liter LS1 V8 engine is standard on all models. The aluminum small-block V8 delivers an incredible 345 horsepower and features a deep-skirt design, lightweight aluminum cylinder heads and composite intake manifold.

Optional new for '99 features include:

- Head-Up Display (HUD), which projects key instrumentation readouts onto the windshield, allowing drivers to view vehicle vitals without taking their eyes off the road. (Available on coupe and convertible only.)
- Twilight Sentinel (not available on hardtop), with delayed shutoff of the headlamps, allows for exterior illumination after the ignition is turned off.
- Power Telescoping Steering Column, allows Corvette drivers to more acutely tailor the position of the steering wheel to their specific needs. In conjunction with the standard manual tilt feature, the driver is able to better create an optimum driving position. (Available on coupe and convertible only.)

Additional standard performance features include: Heavy-duty four-wheel disc/four-wheel antilock brakes, Electronic Throttle Control, Traction Control and Goodyear Extended Mobility Tires (EMT) and tire pressure monitor system.

The optional Active Handling System (introduced mid-1998 model year) available on all Corvette models is one of the most advanced stability-control systems of its kind.

Active Handling operates in harmony with the ABS and Traction Control systems to selectively apply any of the four brakes in an effort to help the driver counteract and diffuse potentially dangerous handling characteristics, such as severe oversteer or understeer.

Active Handling offers three settings. "On" for everyday driving, in which case Active Handling, ABS and Traction Control all function. "Off," which disables all three of these functions. And for high performance driving, a "Competition Mode" setting, in which Traction Control is disabled, but Active Handling and ABS continue to function.

In addition to its high-tech performance features, all '99 Corvettes benefit from a wide door opening and low sill for easy entry and exit, and a long list of standard interior features such as air conditioning, leather seating surfaces, power door locks/windows, Remote Function Actuation (RFA) with Remote Keyless Entry, PASS-Key II theft-deterrent system, electronic speed control, AM/FM Stereo with cassette player and the electronic Driver Information Center.

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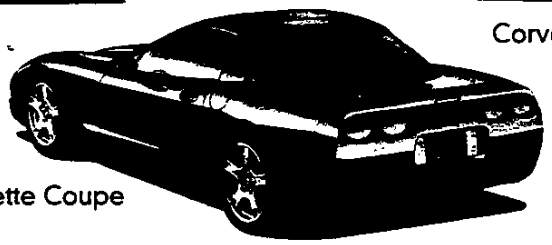
1999 CHEVROLET CORVETTE

Corvette Hardtop

Corvette Convertible



Corvette Coupe

CORVETTE AND THE MARKETPLACE

The name alone is synonymous with performance. Corvette is the powerful sports car with a celebrated heritage. In fact, Corvette has become so ingrained into late-20th century Americana, it even has its own museum in Bowling Green, Kentucky, where Corvette is manufactured.

Coming off of its high profile debut in January of 1997 and followed by the convertible in mid-year, the fifth-generation Corvette now unveils the third jewel of its performance crown: the hardtop. It's in response to customers asking for a simpler, no frills Vette, without sacrificing powertrain performance.

In its simplicity, the Corvette expands its price portfolio and thus, its customer base, yet it does so without forsaking the performance Corvette is legendary for.

The hardtop comes to market with great bloodlines. Corvette coupe and convertible were named *Motor Trend* Car of the Year for 1998 and the Corvette convertible took Car of the Year honors at the 1998 North American International Auto Show.

When it comes to the high performance sports car segment, Corvette delivers value in terms of power and technology. With 1997 model year-to-date sales of almost 15,000 units, Corvette is on pace for a great '98, with MYTD sales as of February of 12,000 units.

NEW FOR 1999

The biggest news for Corvette entering the 1999 model year is the addition of the hardtop to the lineup. With its fixed-roof design, the hardtop offers customers a Corvette model that is basic in content and pure in performance.

CORVETTE HARDTOP

- The hardtop features a fixed roof with a slightly different silhouette than the Corvette coupe (page 2).

CORVETTE MODELS AND CONTENTING

Interior

- Optional Head-Up Display (HUD) (page 4).
- Standard Z51 Suspension with 3.42 limited slip rear axle (page 13).
- 6-speed manual transmission only (page 10).
- Standard Goodyear Eagle F1 Extended Mobility Tires (EMT) with 17-inch wheels, front and 18-inch wheels, rear (page 13).
- Optional power telescoping steering column (page 5).

Exterior

- New exterior color: Magnetic Red Metallic (premium extra-coat finish) (page 7).
- Optional Twilight Sentinel with Automatic Exterior Lamp Control (page 3).

ACTIVE HANDLING SYSTEM

- Optional Active Handling System (AHS) (page 12).

COMPETITORS

- BMW Z3
- Mercedes SLK
- Mitsubishi 3000GT VR4
- Porsche 911
- Porsche Boxster
- Toyota Supra Turbo

AWARDS

- *Motor Trend* — Car of the Year for 1998
- North American International Auto Show Car of the Year for 1998
- *Car and Driver* — 10 Best Cars for 1998
- *Popular Science* — "Best of What's New Grand Award," Cars Category (Corvette Convertible)
- *Kiplinger's Personal Finance Magazine* — Best Resale Value, Cars over $35,000, December 1997
- *Automobile Magazine* — 1998 Technology of the Year, LS1 5.7 V8 engine
- *Ward's Auto World* — "Best Engines of 1998" award for new LS1 5.7 V8 engine

BUYER DEMOGRAPHICS

Median Age:	45 Years
Male:	74%
Married:	60%
Median Income:	$100,000
Attended College:	89%
College Graduate:	66%
Post College Grad.:	36%
Professional Mgr.:	60%

CORVETTE MODELS AND CONTENTING

Corvette is now available in three models:

- Corvette hardtop
- Corvette coupe
- Corvette convertible.

CORVETTE HARDTOP

The new Corvette hardtop offers a comprehensive list of standard features that meet the needs and expectations of the high sport buying segment:

Interior

- Next Generation driver and passenger air bags*
- Air conditioning with CFC-free refrigerant
- Center console with cup holder, ashtray and lockable storage with cassette /CD storage provisions
- Tilt-Wheel™ steering column
- Leather-wrapped sport steering wheel
- Electronic speed control
- AM/FM stereo with cassette player
- Scotchgard™ protection (floor carpeting)
- Electric rear-window defogger
- Power door locks
- Power windows with driver and passenger Express-Down feature
- Bucket seats with leather seating surfaces
- Driver Information Center (DIC)
- Solar-Ray tinted glass
- Center cargo bin cover.

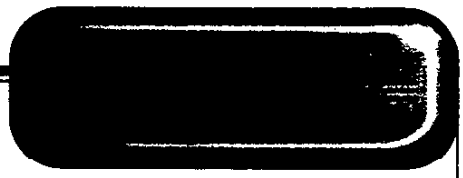
Exterior

- Daytime Running Lamps
- Fixed-roof design
- Dual, power heated outside rearview mirrors
- 17" front and 18" rear 5-spoke cast-aluminum wheels
- Fixed-mast radio antenna.

Functional

- 5.7 Liter LSI V8 engine with 345 horsepower
- 6-speed manual transmission
- Heavy-duty 4-wheel antilock disc brake system (ABS)
- Traction Control
- Remote Function Actuation (RFA) includes a passive Remote Keyless Entry system
- PASS-Key II theft-deterrent system
- 4-wheel Independent Short/Long Arm Double Wishbone Suspension
- Z51 Suspension Package†
- Goodyear Eagle F1 Extended Mobility Performance Tires (EMT)
- Speed-sensitive power rack-and-pinion steering
- Low tire-pressure warning system.

*Always wear safety belts and proper child restraints, even with Next Generation air bags. See the owner's manual for more safety information. †F45 Suspension Package not available on hardtop.



CORVETTE COUPE

Corvette coupe offers the same standard features as the hardtop, plus:

Interior

- 6-way power driver seat
- AM/FM stereo with cassette player and Bose speakers
- Outer cargo bin covers.

Exterior

- One-piece removable roof panel
- Integrated windshield and rear-window radio antennas.

Functional

- Electronically controlled 4-speed automatic transmission (6-speed manual transmission becomes optional)
- Z51 Suspension Package becomes optional
- 2.73 rear axle ratio replaces 3.42 ratio.

CORVETTE CONVERTIBLE

Corvette convertible offers the same standard features as Corvette coupe, plus:

Functional

- Easy-to-use manual convertible top with heated rear glass window and an integral trunk.

Exterior

- Power radio antenna.

THE CORVETTE LINEUP

Completing the three-phase launch of the all-new fifth-generation Corvette is the hardtop. Corvette coupe was actually unveiled in 1997 and Corvette convertible followed in '98. And for '99, the hardtop proudly takes to the streets.

The hardtop came to life in response to customer demand for a simpler, no frills Corvette. In its simplicity, Corvette expands expands its customer base — while maintaining its legendary sports car performance for which it is renowned.

SAFETY AND SECURITY

As a world leader in automotive safety research, development and testing, General Motors has a long history of setting automotive safety milestones. Corvette is the vanguard of that research. The safety features found on the 1999 Corvette models exemplify GM's dedication to safety with an impressive list of features. And, with a comprehensive system emphasizing crash avoidance and occupant protection, Corvette owners get sports car performance with additional peace of mind, as well.

CRASH AVOIDANCE FEATURES

- **STANDARD 4-WHEEL ANTILOCK DISC BRAKE SYSTEM (ABS)** automatically adjusts brake pressure to the front and rear wheels during hard braking situations, reducing wheel lockup and helping the driver maintain steering control.
- **DAYTIME RUNNING LAMPS (DRL)** illuminate the front turn signal/parking lamps, increasing the visibility of Corvette to other drivers. Parking brake must be disengaged for the system to activate.

NEW **AUTOMATIC EXTERIOR LAMP CONTROL (INCLUDED WITH OPTIONAL TWILIGHT SENTINEL)** engages the headlamps to "pop up" and illuminates them along with all other exterior lamps to full intensity, when low-light conditions are detected. (Not available on hardtop.)

- **BRAKE/TRANSMISSION SHIFT INTERLOCK**, standard on Corvette models equipped with the automatic transmission, requires drivers to depress the brake pedal to shift out of Park.
- **CLUTCH/STARTER SAFETY SWITCH** on Corvette models equipped with the optional six-speed manual transmission, requires drivers to depress the clutch pedal to engage the ignition.
- **ELECTRONIC TRACTION CONTROL** automatically activates if wheels should spin on slick surfaces. Traction Control works in conjunction with the ABS and electronic throttle control to optimize traction by helping to reduce tire slip on many surfaces. An On-Off switch is included.

- **OPTIONAL ACTIVE HANDLINJG SYSTEM (AHS),** offers advanced vehicle stability technology. (See AHS Section, page 11).
- **TIRE PRESSURE MONITOR** alerts driver to low tire pressure conditions via readout on the Driver Information Center.

NEW **OPTIONAL HEAD-UP DISPLAY (HUD)** (not available on hardtop) projects key instrumentation readouts onto the windshield, allowing drivers to view information without without diverting their eyes to the instrument panel.

Occupant Protection Features

- **STANDARD NEXT GENERATION DRIVER AND PASSENGER AIR BAGS*** are designed to supplement safety belts by helping restrain occupants in the event of a frontal impact.
- **STANDARD THREE-POINT SAFETY BELT SYSTEM** helps restrain Corvette passengers by distributing forces to help reduce injury.
- **REINFORCED SAFETY-CAGE CONSTRUCTION** surrounds occupants with a cocoon-like system of structural components. This structure consists of a reinforced roof bow (on Corvette coupe and hardtop models only) and door pillars and beams, which are designed to absorb the force of a collision and reduce the risk of intrusion into the passenger compartment.
- **FRONT AND REAR CRUSH ZONES** are designed to deform in a controlled manner in the event of a collision, helping to absorb impact while reducing intrusion into the passenger compartment.
- **TUBULAR STEEL SIDE-DOOR GUARD BEAMS** are designed to help protect occupants in the event of a side-impact collision. Energy-absorbing foam in the doors also enhances side-impact protection.
- **ENERGY-ABSORBING STEERING COLUMN AND INSTRUMENT PANEL** are designed to absorb collision energy, helping reduce driver and occupant injury.
- **OPTIONAL TWILIGHT SENTINEL** (not available on hardtop) works with Automatic Exterior Lamp Control and features delayed shutoff of headlamps for exterior illumination after the ignition is turned off.

*Always use safety belts and proper child restraints, even with Next Generation air bags. See the owner's manual for more safety information.

Interior Features

Just as endearing as its lengendary style is the cockpit-style interior of Corvette, that sends a rush through anyone who gets behind the wheel. Corvette offers many standard interior features that are part of the reason why it's earned the reputation of "America's sports car." Corvette coupe boasts 24.8 cu. ft. of trunk space — more trunk room than you'd find in any passenger car short of a station wagon.

NEW **OPTIONAL HEAD-UP DISPLAY (HUD)** projects key instrumentation readouts onto the windshield, allowing drivers to view useful information without diverting their eyes to the instrument panel. This allows the driver to view the speedometer, tachometer with shift light, water temperature, oil pressure, fuel level and turn signal while viewing the road ahead. A feature of the HUD is a performance filter which reflects a crisp, clear display for easy readability. Built in is a flashing "check gauges" warning to alert the driver to check the instrument panel for critical functions not displayed in the HUD. A simple touch of the reset button serves as acknowledgment of the warning and turns the signal off.

Another ease of use function of the HUD is the *page switch* feature, which allows the driver to cycle through the display choices:

1. Vehicle speed only
2. Vehicle speed and another gauge of the driver's choice, (i.e., engine oil pressure, engine coolant temperature or fuel level)
3. Vehicle speed, tachometer and gauge
4. Speed and tachometer
5. Tachometer only.

The cluster pod for the HUD also contains a set of switches that allow for taller or shorter drivers to adjust the projection angle of the HUD, as well as a sliding dimmer switch to control brightness. This feature is an available option on Corvette coupe and convertible and is not available on the hardtop model.

NEW **POWER TELESCOPING STEERING COLUMN** is an optional, new-for-'99 feature to help the driver more acutely tailor the position of the steering wheel to their needs. In conjunction with the manual tilt feature, the driver is able to better create his or her own optimum driving position that is not only comfortable, but commanding. (Available feature on coupe and convertible only.)

Other interior enhancements over its predecessor include a **LOWER DOOR SILL HEIGHT** for easier entry and exit, as well as wider footwells for additional foot room (3.1" on the driver side, 6.3" on the passenger side).

In the coupe, access to the rear cargo area is also improved over the fourth-generation design. The new hatch glass and rear body are molded into a single piece, which opens out to the rear corners of the car. The hardtop and convertible also have a decklid that extends out to the corners, offering the same benefit.

Other Interior Features:

- **ERGONOMICALLY DESIGNED ANALOG GAUGE INSTRUMENT CLUSTER**, designed in direct response to the voice of the customer, affords at-a-glance instrumentation review. Included are a speedometer, tachometer, fuel gauge, voltmeter, engine water temperature and oil pressure gauges.
- Two **ULTRAVIOLET INSTRUMENT PANEL LIGHTS** illuminate the graphics at night for definition and "read-at-a-glance" clarity.
- **DRIVER INFORMATION CENTER (DIC)** displays individual readouts in any of four languages — English, French, German and Spanish. This display can also be used to configure a full range of programmable settings, including entry, Twilight Sentinel System (if equipped), alarms, warnings, messages and vehicle function display. Some of the basic warning displays include ABS active, low oil pressure or level, low coolant level, service vehicle soon, low or high and actual tire pressure, flat tire, Active Handling System (if equipped) status and Traction Control system status. Other Driver Information Center messages include change oil now, Change Oil Soon, speed control set, low fuel, door ajar, low washer fluid and low brake fluid.
- **PASSIVE/ACTIVE REMOTE FUNCTION ACTUATION (RFA) SYSTEM** is standard on all models. The passive mode will automatically lock and unlock the doors and turn on the interior lights when the transmitter is within 30 feet of the driver side. The buttons on the transmitter may also be used to actively unlock the vehicle or unlock the rear hatch from up to 60–100 feet away. RFA also includes a programmable Secure Return feature that will illuminate the interior, backup and turn signal lamps as the driver approaches the vehicle. Called the "halo effect," the feature completely surrounds the vehicle with an illuminating glow. The system also includes a driver-activated panic button on the key fob that automatically turns on all the lights (except headlamps) and sounds the horn for added security.
- Single, **REVERSIBLE KEY** starts the car and operates locking functions on the doors and all other locks. The ignition key inserts directly into an ignition switch on the instrument panel, not the steering column.
- **SEAT-MOUNTED DRIVER AND PASSENGER SAFETY BELTS** help maintain proper positioning when the seats are repositioned.
- **SCOTCHGARD™ PROTECTION** helps protect carpeting from stains and makes cleanups easy.
- **AIR CONDITIONING** uses CFC-free refrigerant. Optional electric dual-zone air conditioning (not available on hardtop) provides separate temperature controls for the driver and passenger.
- **CENTER CONSOLE** houses the parking brake, a cup holder (for cups up to 20 ounces), an ashtray and lockable storage space for cassettes, CDs and a portable phone.
- **LOCKABLE, LIGHTED GLOVE BOX** provides the owner with secure, convenient storage space.
- **PASS-KEY II THEFT-DETERRENT SYSTEM**, helps prevent theft by disabling the ignition and fuel delivery systems for about three minutes if an incorrect key is used or when an attempt is made to bypass the ignition system.
- **OPTIONAL MEMORY PACKAGE** allows drivers to customize up to three different settings for exterior mirrors, radio presets, climate control and driver seat positions (not available on hardtop).
- **DRIVER-SIDE DEAD PEDAL** provides a comfortable rest for the left foot.

- **TURN SIGNAL REMINDER CHIME** alerts the driver if a turn signal is left on.
- **THREE STORAGE BINS** in the cargo area provide additional storage space for personal items.
- **OPTIONAL PARCEL NET AND LUGGAGE SHADE** (available on coupe only) help secure cargo items and camouflage the cargo area from exterior view.
- **REVISED SEAT BELT BUCKLES**, which have been repositioned for easier use and user comfort.
- **PASSENGER-SIDE GRAB HANDLE** located on the instrument panel, assists in vehicle entry and exit.

Sound Systems

The Corvette music systems are the result of a collaborative effort between Bose and Delco Electronics. These systems feature the latest Delco Electronics AM/FM receiver and Bose speaker technologies* to provide Corvette owners with an outstanding listening experience.

The Delco AM/FM stereo features an "electronic brain" that remembers the tone control settings for each station and recalls them when the station is selected. Antennas, hidden in the windshield and rear-window glass on coupe models, provide excellent reception and aren't subject to damge in car washes. The convertible features a power antenna, also offering protection from car wash damage. The hardtop model offers a fixed-mast antenna.

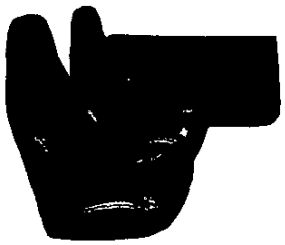
Available systems on Corvette:

- **ELECTRONICALLY TUNED DELCO AM/FM STEREO WITH CASSETTE PLAYER**, seek-scan, digital clock and TheftLock (standard on hardtop).
- **ELECTRONICALLY TUNED DELCO PREMIUM AM/FM STEREO WITH CASSETTE PLAYER**, seek-scan, digital clock, TheftLock, automatic tone control and Bose speakers (standard on coupe and convertible; optional on hardtop).
- **OPTIONAL ELECTRONICALLY TUNED DELCO PREMIUM AM/FM STEREO WITH CD PLAYER**, seek-scan, digital clock, TheftLock, automatic tone control and Bose speakers (requires Bose speaker option for hardtop).
- **OPTIONAL CARGO-AREA-MOUNTED DELCO CD CHANGER** with a removable 12-disc cartridge is optional (requires Bose speaker option for hardtop).

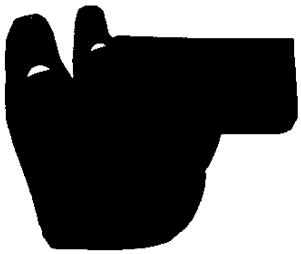
* Bose speakers optional on hardtop.

Seats

Corvette seating provides a standard, power driver six-way seat adjuster (optional on hardtop) for optimum comfort. An optional power six-way passenger-seat adjuster is available on both Corvette coupe and convertible models and not available on hardtop.



- **STANDARD BUCKET SEATS** with soft leather seating surfaces.

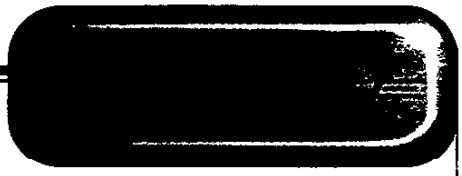


- **OPTIONAL SPORT BUCKET SEATS** with soft leather seating surfaces (not available on hardtop).

Interior Colors For '99

- Black
- Light Gray*
- Firethorn Red*
- Light Oak.*

*Not available on hardtop.



Exterior/ Structural Features

The Corvette exterior defines high style not only in terms of automotive design, but in performance as well. Designed with an aggressive stance, Corvette still proudly boasts its legendary long hood/short deck design that is the hallmark of this American sports car. Its outstanding 0.29 coefficient of drag (coupe only) contributes to overall performance and fuel-efficiency rating.

Functional Features

- Corvette coupe owners have a choice between a standard body-color removable roof panel, an optional transparent removable roof panel or an optional roof package containing a combination of body-color and transparent removable roof panels.
- Standard, **HEATED, ELECTRIC MIRRORS** are functional and stylish.
- Optional **DUAL HALOGEN FOGLAMPS** provide visibility in inclement weather. (not available on hardtop).
- Optional **BODY-COLOR BODY-SIDE MOLDINGS** add an attractive accent and help protect from dings and dents.

Exterior Paint

Standard basecoat/clearcoat paint on Corvette resists fading and provides a high gloss shine for long-lasting exterior beauty. The clearcoat system is formulated to minimize the effects of acid rain and other environmental damage. Clearcoat finish is used with all colors.

- **BODY PANELS** remain unattached until late in the assembly process to help assure a quality paint appearance.
- Painting is preceded by a **HIGH-TECH CLEANING** in a "clean-room" atmosphere designed to be dust- and contaminant-free.
- **WATERBORNE PAINT PROCESS** is used to help reduce environmental emissions and to attain a clear, smooth appearance.

Exterior Colors (coupe and convertible)

NEW Paint Color For '99:

- Magnetic Red Metallic (extra cost).

Exterior Colors (coupe and convertible):

- Black
- Nassau Blue Metallic
- Light Pewter Metallic
- Magnetic Red Metallic
- Torch Red
- Sebring Silver Metallic
- Arctic White.

Exterior Colors (hardtop only):

- Black
- Nassau Blue Metallic
- Torch Red
- Arctic White
- Light Pewter Metallic.

Design and Manufacturing

Every Corvette is manufactured at the Corvette Assembly Plant in Bowling Green, Kentucky. This advanced production facility uses computerized manufacturing techniques to help provide quality.

Manufacturing Features

- **ADVANCED TECHNOLOGY FRAME STRUCTURE** employs metal inert gas (MIG) laser welding.
- **MODULAR CONSTRUCTION**, where complex sub-assemblies are built as single units away from the assembly line, improve overall quality and simplify the final build.
- **RIGOROUS WATER TESTING**, for every Corvette before leaving the plant, helps reduce leaks.

Body Structure

The fifth-generation Corvette coupe chassis is substantially stiffer than its predecessor, allowing for a tight, structured, controlled ride and reduced vibration.

Other Features:

- **FULL-LENGTH PERIMETER FRAME** with hydro-formed side rails made out of tubular steel adds to the structural strength. These rails are joined by two bumper beams that are welded on, rather than bolted, for high strength.
- **HYDROFORMED SIDE RAILS** are pressured into shaped by a high pressure hydraulic press developed by GM. This process results in fewer parts over conventional designs for more efficient construction, lighter weight and a more structurally sound frame.
- **INTEGRAL CROSS MEMBER** provides the instrument panel with a firm foundation that helps reduce noise and vibration.
- **BALSA WOOD CORE COMPOSITE SANDWICH FLOOR** is lightweight, yet strong.
- **FLEXIBLE SHEET-MOLDED COMPOUND BODY PANELS** resist damage and corrosion. Rear quarter panels are bolted, not bonded, to the structure to help reduce collision repair.
- **5 MPH BUMPER SYSTEMS** on both the front and rear fascias protect from minor parking lot dings.

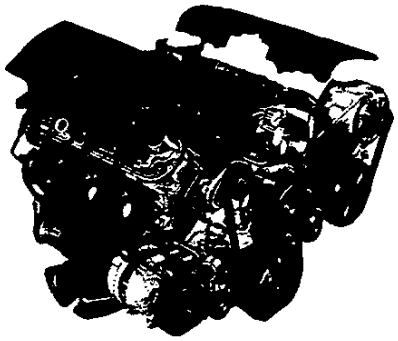
Corvette Convertible

Corvette convertible was designed as a true convertible from the beginning, not as a coupe with the top "cut off." The biggest advantage of being designed as a convertible is structural integrity and rigidity; however it also gives the convertible a smooth, flowing exterior look, along with seamless top operation.

Features Include:

- **HEATED REAR GLASS WINDOW** helps provide clear vision in damp or icy weather conditions over plastic inserts. The window provides the driver with a broad rearward view.
- **INTEGRAL TRUNK** has up to 13.9 cubic feet of useable room for storage. (11.1 cu. ft. with top down.)
- **MANUAL FUNCTIONING CONVERTIBLE TOP** is operated from the exterior of the vehicle.
- **5-BOW PRESSURIZED ROOF DESIGN** eliminates the need for latches at the rear of the top, greatly enhancing ease of operation.
- **CONVERTIBLE TOP FEATURES A BLACK HEADLINER** with exterior color choices of Light Oak, Black or White.
- **COMPOSITE TONNEAU COVER** neatly stores the convertible top when folded. With a push of a button, the cover is released to reveal the storage area of the folded top. In addition, the button will activate the Express-Down power window feature. Lowering the windows facilitates latching and unlatching the manually operated top to the windshield header.
- **WATERFALL PANEL WITH HALLMARK CORVETTE LOGO** echoes earlier Corvette designs by visually extending the body-color tonneau cover downward between the seats.

Engine

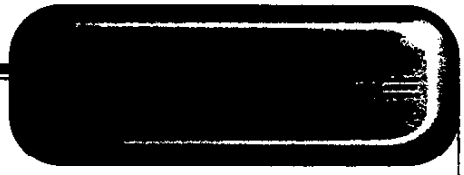


5.7 Liter V8 SFI Engine (LS1)

The standard 5.7 Liter V8 LS1 engine with Sequential Fuel Injection (SFI) is the latest in a long line of impressive powerplants in Corvette. It features a number of technological advancements that help make Corvette a true performance machine.

Power ratings for the 5.7 V8 engine are:

- **345 HORSEPOWER** at 5600 rpm
- **350 LB.-FT. TORQUE** at 4400 rpm.



Technical features for the 5.7 V8 engine are:

- The LS1 features an **ALUMINUM ENGINE BLOCK** that is both strong and lightweight. The "deep-skirt" design extends down past the bearing caps. Two bolts tie the main bearing caps directly to the engine block horizontally, and two more secure each cap vertically. This design helps give the engine outstanding durability, and reduces noise and vibration.
- **LIGHTWEIGHT ALUMINUM CYLINDER HEADS** feature replicated cylinder head ports to optimize airflow in the engine, contributing to overall performance.
- **INTAKE MANIFOLD** enhances airflow to the engine and is made of composite materials for enhanced performance and reduced weight.
- **DUAL-WALL EXHAUST MANIFOLD**, made of high strength stainless steel with an air gap between the walls, reduces cold-start emissions and helps reduce noise levels.
- **LIGHTWEIGHT PISTONS AND HEAVY-DUTY CONNECTING RODS** allow engineers to tune the engine performance for high rpm, achieving added power from the 5.7 Liter displacement.
- **VALVETRAIN** features in-line valves, rocker arms and pushrods for reduced stress and friction. This also contributes to the overall fuel economy and durability.
- **ROLLER TIMING CHAIN**, with nylon tensioners enhances overall performance.
- **COMPOSITE LIFT RESTRICTORS** decrease mass and help optimize fuel economy.
- **DUAL ELECTRONIC SPARK CONTROL** sensor is located in the valley of the engine block for precise spark control.
- **INTEGRATED AIR FUEL MODULE** contributes to overall durability.
- **MASS AIRFLOW SENSOR** works with OBD II to help reduce emissions.
- **SEQUENTIAL FUEL INJECTION** aids combustion efficiency by optimizing fuel delivery.
- **ELECTRIC THROTTLE CONTROL (ETC)** allows precise tailoring of a specific throttle progression to meet the needs of a Corvette. ETC integrates electronic speed control, brake torque management and Traction Control into a single controller, for mass reduction and high durability. ETC is an integral component of the Active Handling System (if so equipped).
- **DIRECT-MOUNT ACCESSORIES** eliminate some bolts, fasteners and attachment points, which help reduce engine noise and enhance durability.
- **GEROTOR OIL PUMP** provides low oil temperature delivery and reliable performance due to low parasitic loss.
- **LIGHTWEIGHT OIL PAN** features extended sumps that contain additional oil to ensure a good supply to the pickup tube for enhanced performance.
- **ONE IGNITION COIL PER CYLINDER** provides high energy ignition for added combustion, reduced emissions and enhanced durability.
- **10,000-MILE OIL CHANGE INTERVAL** allows for longer perilds between oil changes and less environmental waste.
- **PLATINUM-TIP SPARK PLUGS** (first scheduled spark plug maintenance at up to 100,000 miles,* help extend service intervals.
- **EXTENDED-LIFE ENGINE COOLANT** (first scheduled replacement at up to 5 years or 150,000 miles*) helps make maintenance easy.

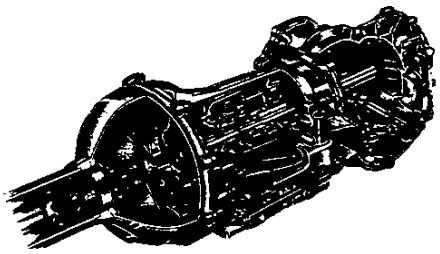
*Maintenance needs vary with different uses and driving conditions. See owner's manual for more information.

SEQUENTIAL FUEL INJECTION, standard on Corvette, optimizes fuel economy and power output while also helping the LS1 V8 to meet today's stringent emissions control requirements.

- SFI's secret is its high precision fuel control, which uses one injector and nozzle per cylinder for optimum cylinder-to-cylinder fuel distribution.
- Each injector is fired sequentially and timed to the intake cycle for accuracy and metering control. (With non-SFI engines, fuel is injected once per engine revolution through all injectors at the same time. With SFI, timing is much more precise, improving performance across the board.)
- Mass airflow meter constantly measures the engine's air requirements. Changes in load, altitude and temperature vary. In an SFI system, the mass airflow meter is essential for accurate fuel delivery.
- The injector nozzle's design and optimum location produce an effective spray pattern that contributes to the engine's smooth idle and fuel-efficiency.

TRANSMISSIONS

Both available Corvette transmissions are rear-mounted to help improve interior room for the driver and passenger, and to help provide balanced weight distribution.

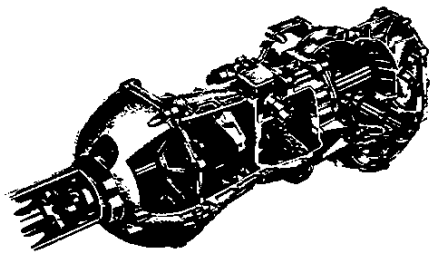


4L60-E 4-SPEED AUTOMATIC TRANSMISSION WITH OVERDRIVE

Standard on coupe and convertible, the Hydra-matic electronically controlled 4-speed automatic overdrive transmission uses electronic controls to deliver smooth, precise shift points. (Not available on hardtop.)

- **TORQUE MANAGEMENT SYSTEM** helps protect the powertrain by reducing the amount of energy and heat generated by frequent severe shifts that can occur when a vehicle is stuck in a snow bank or similar situation and must be "rocked."
- **FIRST-GEAR RATIO** (3.06:1) provides low-speed torque for excellent acceleration, while overdrive gear (0.70:1 ratio) offers excellent fuel economy at highway cruising speeds.
- **TWO-PIECE CASE DESIGN** with a unique 360-degree bellhousing completely encases the torque converter assembly for maximum stiffness and low noise and vibration.
- **ALUMINUM TORQUE TUBE** houses a metal composite drive shaft for reduced noise and enhanced durability.
- **SHIFT STABILIZATION** senses when the vehicle is operating on a grade, and determines the optimal performance gear.
- **STANDARD, BRAKE/TRANSMISSION SHIFT INTERLOCK** requires the driver to depress the brake pedal to shift out of Park for added security.
- **SECOND-GEAR START FEATURE** provides an extra measure of security and control in slippery driving conditions. By moving the gear selector to the D2 position, the driver can reduce torque to the drive wheel, helping limit wheel slip during initial acceleration on slippery roads.
- **EXTENDED-LIFE AUTOMATIC TRANSMISSION FLUID** doesn't require service for up to 100,000 miles.*
- **POWERTRAIN CONTROL MODULE (PCM)** collects information about the operating condition of the 4L60-E and alerts the driver with a "Service Engine Soon" light if there is a deterioration that could cause the vehicle to exceed acceptable emissions levels.

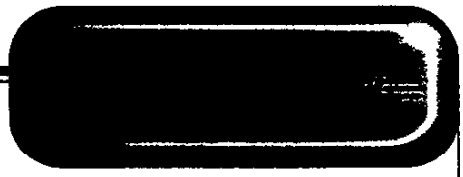
*Maintenance needs vary with different uses and driving conditions. See owner's manual for more information.



6-SPEED MANUAL TRANSMISSION

A 6-speed manual transmission is standard on hardtop and optional on Corvette coupe and convertible and standard on hardtop. Designed for drivers who desire more "hands-on" control, the 6-speed manual transmission features a self-adjusting hydraulic clutch system that requires little effort to engage.

- **2.68:1 FIRST-GEAR RATIO** provides high torque multiplication, for quick initial acceleration.
- **OVERDRIVE FIFTH AND SIXTH GEARS** lower the engine speed, helping produce quiet and economical highway cruising.
- **SHIFT LEVER** is automatically centered in the 3-4 gate's Neutral position to enhance shift feel and help minimize the chance of missed shifting.
- **SKIP-SHIFT FEATURE** requires upshifting from first to fourth gears, skipping second and third, under certain throttle conditions. This feature also helps optimize fuel economy.



- **ALUMINUM TORQUE TUBE** houses a metal composite drive shaft for reduced noise and enhanced durability.
- **LIMITED-SLIP REAR AXLE** features an aluminum case with hydraulic rear mounting for high durability.

Active Handling System

Introduced as a mid-1998 model year option, Corvette is one of the few sports cars in the world to offer such advanced stability technology. The system operates in harmony with Corvette's antilock brake and Traction Control systems to selectively apply any of the four brakes in an effort to help the driver counteract and diffuse potentially dangerous handling characteristics, such as severe oversteer or understeer.

By working with ABS and Traction Control componentry, Active Handling affords one of the most comprehensive packages available to assist driver control under a variety of driving circumstances — whether driving on wet or dry road conditions.

An example would be if a Corvette driver was cornering on a slippery road and the rear end loses traction and begins to swing out toward the front of the vehicle (sometimes called oversteer). The sophisticated sensors of Active Handling — which monitor yaw rate, steering angle, lateral acceleration and brake pressure, all in a fraction of a second — help reduce the tendency of the car's rear end to swing out toward the front.

By monitoring these conditions, Active Handling will selectively apply one or more wheel brakes to help the driver stabilize the vehicle quickly. The system is designed to assist with unexpected emergency situations. Even with Active Handling, however, there are situations where the system cannot overcome the laws of gravity and physics.

System Activation

While the Active Handling System can be left active during everyday driving situations, the system allows the driver to chosse any of the following settings:

ON — The Active Handling System is fully active, as are ABS and the Traction Control system.

OFF — All three systems are inactive: Active Handling, ABS and Traction Control (NOTE: ABS and Traction Control reactivate every time the ignition is turned on).

COMPETITION MODE — Designed for sanctioned racing use. Only Traction Control is turned off; Active Handling and ABS are still fully active.

The OFF and COMPETITION MODE settings can, in the appropriate setting, be important features on a high performance car like Corvette. In regulated competitive driving situations like autocrosses or sanctioned racing events,* minimal wheel spin and oversteer can be a good thing in the hands of an experienced driver. Chevrolet recommends this setting be used only in an appropriate sanctioned racing environment.

Turning off the Active Handling System is accomplished by momentarily depressing the Active Handling switch. The Driver Information Center will notify the driver when the system is off, and the Traction Control system telltale will be illuminated.

To access the COMPETITION MODE, the engine must be running, the vehicle stopped and the switch depressed for five seconds. The Driver Information Center will then display a "Competitive Driving" message, although the Traction Control system telltale will not illuminate.

*As with all sanctioned racing events, drivers should properly equip their vehicle with sanction-approved safety equipment.

Active Handling Components

Following are the components that comprise Active Handling, their functions and the related benefits.

- **ANTILOCK BRAKE AND TRACTION CONTROL SYSTEMS** are used to activate the brakes as necessary. A hydraulic control unit applies or releases the brake(s) at each individual wheel, to help stabilize directional control.
- **YAW RATE SENSOR** detects the rotation around the vertical axis that passes through Corvette's center of gravity. More simply, visualize the car rotating around a pole stuck through the middle of the car. The yaw rate sensor detects the rate at which the vehicle is actually rotating, rather than what the steering angle sensor reports, which is the rate at which the driver is trying to steer.

- **STEERING ANGLE SENSOR** provides critical information to the computer on how much the driver is turning the steering wheel. The computer then compares this input to how much the car is actually turning, as reported by the yaw rate sensor. The Active Handling system compares input from the yaw rate sensor and the steering wheel sensor to help bring the car back into line.
- **LATERAL ACCELEROMETER** measures lateral acceleration — the amount of centrifugal force created by turning. Such input helps the system more accurately make braking corrections to match the cornering speeds and the traction available.
- **DIFFERENTIAL PRESSURE SWITCH** senses when the two split-brake system circuits become unbalanced. If either of the circuits (front or back) are not building correct pressure, the switch signals the controller, which turns off the Active Handling System and alerts the driver by illuminating the brake warning light in the instrument cluster.
- **MASTER CYLINDER PRESSURE SENSOR** measures how vigorously the brake pedal is being applied by the driver. When Active Handling activates, it takes the braking away from the driver momentarily. The sensor lets the system know how much braking pressure the driver is applying, and applies the brakes accordingly based on the brake pedal pressure.
- **UNIQUE CONTROLLER/SOFTWARE** is the computer that controls Active Handling along with the ABS and Traction Control systems. The computer on Active Handling-equipped cars features specific programming that is not included on models which have only ABS and Traction Control.

SUSPENSION

The suspension was designed with one overall goal in mind: great handling with a smooth ride. In keeping with this goal, the Corvette suspension geometry is designed to help allow ride and handling to work independently. Another key to Corvette ride and handling is the stiff chassis structure. The fifth generation's stiff underbody structure allows engineers to reduce structural variation and movement. The increased stiffness is a bonus to suspension engineers, who in the past compensated for structural movement in their suspension design. The result of this stiff structure? Engineers can enhance ride-and-handling characteristics through suspension tuning.

Notable suspension features:

- **STANDARD FULLY INDEPENDENT 4-WHEEL SHORT/LONG-ARM (SLA) SUSPENSION** is similar to suspensions used in many race cars. This suspension is height-adjustable at the factory for consistent ride and handling. Each car is precisely adjusted during production according to its specific option content and vehicle weight to optimize ride and handling.
- **FORGED-ALUMINUM FRONT UPPER CONTROL ARMS** and cast-aluminum front/rear lower and rear upper control arms offer strength with low mass.
- A patented version of the **TRANSVERSE COMPOSITE LEAF SPRING DESIGN** contributes to the ride. Spring pads are located on the lower, longer arms at each corner. The composite springs run from one side of the car to the other, and are attached to the chassis via rubber-isolated mounts.
- Optional **F45 SUSPENSION** offers selective Real Time Damping, a technology that reads the road surface at each wheel and adjusts shock damping to achieve a stable, flat ride. F45 provides three settings — Tour, Sport and Performance — for a variety of ride qualities (not available on hardtop).

NEW **Z51 SUSPENSION** is designed for appropriate, sanctioned competitions, or for the driver who desires the ultimate in handling. Tuned on road racing courses and autocross tracks, Z51 offers a top level of handling. Z51's highly controlled ride stems from stiffer springs, larger stabilizer bars and larger monotube shock absorbers. (Z51 is standard on hardtop and optional on coupe and convertible.)

STEERING

Magnasteer II steering, a variable-effort rack-and-pinion power steering system, is standard on Corvette. This high-tech system provides reduced effort at low speeds for easy parking and maneuvering, and higher efforts at high speeds for

positive road feel and stability.

- **MAGNASTEER** II features smooth transitions between high effort and low effort for a natural, in-command feel of the road.
- **16.1:1 RATIO** provides quick steering response.
- **STEERING SYSTEM WAS INCORPORATED INTO THE OVERALL CHASSIS DESIGN** from the onset, which allowed engineers to tune the system for enhanced effectiveness.
- **LIGHTWEIGHT ALUMINUM POWER STEERING PUMP** and intermediate shaft help work together to help reduce mass and resist corrosion.

Brakes

Corvette features a 4-wheel disc, 4-wheel antilock disc braking system. The design provides the consistent stopping power. Some things to keep in mind about antilock brakes:

- ABS helps maintain steering control during severe braking situations by minimizing wheel lockup on most slippery surfaces. All the driver has to do is maintain pressure on the brake pedal and steer the vehicle.
- ABS adjusts brake pressure by modulating the brakes several times per second, a rate even most skilled professional drivers cannot attain physically.
- The system modulates the brake-line pressure at the wheels. Drivers should not "pump" the brakes in emergency braking situations. Rather, they should maintain constant pressure on the brake pedal, allowing the system to work effectively.

Other Corvette Brake System Features:

- **DUAL-PISTON FRONT BRAKES AND SINGLE-PISTON REAR BRAKES** feature aluminum sliding-type calipers that are corrosion-resistant and enhance durability. Front calipers feature the "Corvette" name cast into the outer aluminum surface.
- **LIGHTWEIGHT CAST-ALUMINUM RACING-STYLE BRAKE PEDAL** provides a sure footed feel.

Wheels and Tires

Corvette (all models):

- Standard cast-aluminum wheel (17" front/18" rear)
- Standard P245/45ZR-17 front and P275/40ZR-18 rear Goodyear Eagle F1 Extended Mobility Tires (EMT).

History

(by model year)

Introduced in January, 1953 as a GM Motorama show car.

1953 — First 300 production Corvette models assembled by hand; 235 cu. in. six-cylinder engine.
1955 — First small-block V8 introduced.
1956 — All-new body style; optional removable hardtop.
1957 — Engine improvements; 4-speed manual transmission and fuel injection are new options.
1958 — Four-headlamp design introduced.
1961 — Quad taillamps.
1963 — All-new Sting Ray introduced with convertible and, for the first time, a coupe model; concealed headlamps debuted.
1965 — Big block V8 engine option. 4-wheel disc brakes made standard.
1968 — All-new body style; removable T-Tops on coupe models.
1970 — Original LT1 small-block V8 introduced.
1971 — Special-purpose big block V8 produced 425 horsepower.
1975 — Convertible model discontinued at end of year.
1977 — Standard leather seats; 500,000th Corvette produced.
1978 — Official Indy Pace Car replica and Silver Anniversary models offered.
1983 — No Corvette models made for public sale, 43 pilot models made for testing purposes.
1984 — All-new design introduced; new suspension; electronic instrumentation.
1986 — Convertible model reintroduced and served as Indy Pace Car; standard 4-wheel ABS;

Vehicle Anti-Theft System (VATS).

1989 — Standard 17" wheels; Selective Ride Control introduced; 6-speed manual transmission optional.

1990 — ZR-1 with LT5 introduced; new cockpit design; driver air bag.

1991 — All models feature rear appearance similar to 1990 ZR-1.

1992 — Second-generation LT1 introduced; Acceleration Slip Regulation (ASR) introduced; one millionth Corvette produced.

1993 — ZR-1 LT5 engine enhancements; 40th Anniversary Package; Remote Keyless Entry introduced.

1994 — Front-passenger air bag; new cockpit design.

1995 — Revised gill panel; last year of ZR-1; Corvette provides Indy Pace Car again.

1996 — Grand Sport and Collector Edition; LT4 engine option introduced.

1997 — All-new body and chassis; LS1 all-aluminum small-block V8 introduced.

1998 — All-new Corvette convertible introduced.

Chevrolet International

The Corvette is sold in other countries besides the U.S. In many cases, changes are made in the vehicle's specifications to meet the unique demands of those markets and/or comply with local regulations. Additionally, these products sometimes fill a very different role in non-U.S. markets. If you need to know what the differences are, in specifications or marketing strategies, in any given country, please look in the Chevrolet International section of this publication to identify the right GM person to contact for that kind of information. Chevrolet Communications (U.S.) does not have those details.

Genuine Customer Care

Chevrolet owners are covered by Genuine Customer Care, a comprehensive owner protection plan that includes the following:

Bumper to Bumper Warranty

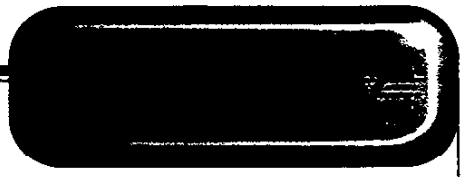
The GM 3-year/36,000-mile (whichever comes first), no-deductible, limited warranty covers repairs for all Chevrolet cars, including labor and parts, to correct any defects in material or workmanship occurring during the warranty period. Warranty features include air conditioning repair, tires, towing, no-cost warranty transfer and 6-year/100,000-mile (whichever comes first) sheet-metal rust-through protection. There also is emissions control system coverage, which varies by geographic location. The only item not covered by the warranty is normal maintenance.

Courtesy Transportation

Retail customers who purchase or lease a 1999 Chevrolet Corvette are eligible for Courtesy Transportation 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 dealerships only, may include shuttle service, expense reimbursement, or, if the repairs require leaving the vehicle overnight, a vehicle rental. Owners should see their dealer for details.

Roadside Assistance*

Roadside Assistance service is provided through a toll-free 800 number, 24 hours a day, 365 days a year. Roadside Assistance advisors can assist with minor mechanical concerns over the phone or coordinate a variety of services through professional service providers.



Basic Care provides:

- Toll-free access — 1-800-CHEV-USA
- Free towing to closest dealer for warranty repairs
- Basic over-the-phone technical advice
- Dealer services at reasonable costs (i.e., wrecker services, locksmith/key service, glass repair, etc.).

Courtesy Care applies for 3 years/36,000 miles and provides:

- Basic Care services
- Free locksmith/key service (when keys are lost on the road or locked inside)
- Free flat tire change service
- Free fuel delivery
- Free non-warranty towing
- Free jump start.

*Roadside Assistance membership is free. Some services may incur costs. Courtesy Care is available to retail, retail lease and corporate lease customers operating 1994 and newer Chevrolet vehicles for a period of 3 years/36,000 miles. All Courtesy Care services and associated costs must be prearranged by Chevrolet Roadside Assistance or dealer service management and must be driver-initiated. Basic Care and Courtesy Care are not part of or included in the coverage provided by the New Vehicle Limited Warranty. Chevrolet reserves the right to modify or discontinue Basic Care and Courtesy Care at any time. Owners should see their dealer for complete details of the Chevrolet Roadside Assistance Program.

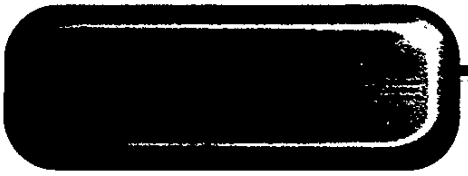
GM Mobility Program

Chevrolet recognizes the importance of mobility to everyone's life and, therefore, offers financial assistance to persons with disabilities through the General Motors Mobility Program. The program can provide up to $1,000 reimbursement toward the cost of aftermarket mobility adaptive equipment for drivers or passengers. $200 of which may be applied toward a siren director for drivers who are deaf or hard-of-hearing. For details and free resource information, call: 1-800-323-9935. (TTY users: 1-800-833-9935).

Important — a word about this document: We have tried to make this document as comprehensive and factual as possible. We reserve the right, however, to make changes at any time, without notice, in colors, materials, equipment, specifications, models and availability. Some information may have been updated since the time of printing in June, 1998.

A note about Next Generation air bags: Always use safety belts and proper child restraints, even with air bags. See the owner's manual for more safety information.

Some artwork contained within this text is for representation purposes only.

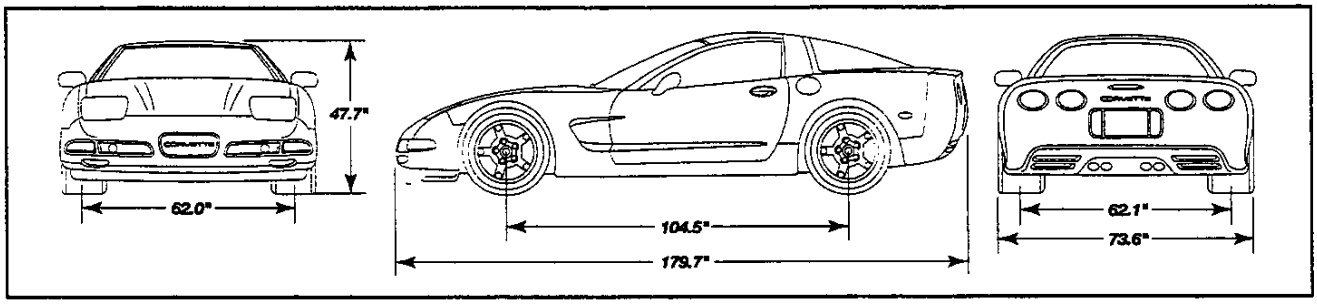


1999 CORVETTE FEATURE AVAILABILITY

	Corvette hardtop	Corvette coupe	Corvette convertible
INTERIOR			
Air Bag – Driver and Passenger[1]	S	S	S
Air Conditioning – with CFC-Free Refrigerant	S	S	S
– Electronic Dual-Zone	NA	O	O
Console – Center with Cup Holder, Ashtray, Coin Tray and Cassette/CD Storage	S	S	S
Defogger – Electric, Rear-Window	S	S	S
Door Locks – Power	S	S	S
Gauges, Analog – Speedometer, Fuel, Tachometer, Oil, Temperature and Volts	S	S	S
Head-Up Display	NA	O	O
Low Tire Pressure Warning System	S	S	S
Luggage Shade and Parcel Net – Luggage-Area	NA	O	O[2]
Memory Package – "Remembers" Settings for Outside Mirrors, Radio, Heater/ Defroster/Air Conditioning and Driver Power-Seat[3]	NA	O	O
PASS-Key II Theft-Deterrent System	S	S	S
Power Telescoping Steering Column	NA	O	O
Remote Function Actuation System (includes Remote Keyless Entry System)	S	S	S
Scotchgard™ Protection (on floor carpeting)	S	S	S
Seat – 6-Way Power Driver	O	S	S
– 6-Way Power Passenger	NA	O	O
– Bucket, with Leather Seating Surfaces	S	S	S
– Sport Bucket, Adjustable with Leather Seating Surfaces (includes inflatable lumbar support and adjustable wings)	NA	O	O
Speed Control – Electronic	S	S	S
Steering Column – Tilt-Wheel™	S	S	S
Stereo – AM/FM with Cassette Player and Bose Speakers	O[4]	S	S
– AM/FM with CD Player and Bose Speakers	O	O	O
– 12-Disc Remote CD Changer	O	O	O
– Bose Speakers	O	S	S
Windows – Power with Driver and Passenger Express-Down Feature	S	S	S
EXTERIOR			
Convertible Top – Manual with Heated Rear Glass Window	NA	NA	S
Daytime Running Lamps	S	S	S
Foglamps – Dual Halogen	NA	O	O
Mirrors – Outside Dual Body-Color Heated Remote Electric	S	S	S
Moldings – Body-Side	O	O	O
Roof Panel – Removeable	NA	S	NA
Roof Panel – Removeable, Transparent	NA	O	NA
Tires – Front, Goodyear Extended Mobility, P245/45ZR-17	S	S	S
– Rear, Goodyear Extended Mobility, P275/40ZR-18	S	S	S
Wheels – Cast Aluminum, 17" Front/18" Rear	S	S	S
FUNCTIONAL			
Active Handling System (AHS)	O	O	O
Brakes – Bosch 4-Wheel Antilock	S	S	S
– Power, Front and Rear Vented Disc	S	S	S
Engine – 5.7 Liter LS1 V8 SFI	S	S	S
Exhaust System – Aluminized Stainless-Steel	S	S	S
Low Tire Pressure Warning System	S	S	S
Suspension – 4-Wheel Independent SLA	S	S	S
– Z51 Performance Handling Package	S	O	O
– F45 Real-Time Damping	NA	O	O
Traction Control	S	S	S
Transmission – 4-Speed Electronically Controlled Automatic	NA	S	S
– 6-Speed Manual	S	O	O
Twilight Sentinel with Automatic Exterior Lamp Control	NA	O	O

S — Standard. O — Optional. NA — Not available. 1 Always use safety belts and proper child restraints, even with Next Generation air bags. See the owner's manual for more safety information. 2 Parcel net only on convertible model. 3 Requires electronic dual-zone air conditioning. 4 Standard without Bose speakers.

1999 CORVETTE SPECIFICATIONS



MODEL AVAILABILITY

Models	Corvette hardtop, Corvette coupe, Corvette convertible
EPA vehicle class	Two Seaters
Assembly	Bowling Green, Kentucky

DIMENSIONS & CAPACITIES (inches/millimeters, unless otherwise noted)

Exterior Dimensions	Corvette
Wheelbase	104.5/2655.5
Length (overall)	179.7/4565.6
Width (overall without mirrors)	73.6 /1869.6
Height (overall)	47.8/1214.1 (coupe) 47.7/1211.5 (convertible) 47.9/1216.7 (hardtop)
Tread — front	62.0/1575.6
Tread — rear	62.1/1575.6
Interior Front Dimensions	
Headroom	coupe – 37.9/955.0 convertible – 37.6/955.0 hardtop – 37.8/959.5
Legroom	42.7/1085.8
Shoulder room	55.3/1405.4
Hip room	54.2/1377.8
Capacities	
Passenger capacity	2
Passenger index (cu. ft./liters)	coupe – 51.4/1459.4 convertible – not available at time of publication hardtop – not available at time of publication
Cargo capacity (cu. ft./liters)	coupe – 24.8/704.1 convertible – 13.9/394.7 (top up) 11.2/318.0 (top down) hardtop – not available at time of publication
Fuel capacity (gal./liters approx.)	19.1/75.7
Curb weight (lbs./kg, est.)	coupe – 3245/1472 convertible – 3246/1473 hardtop – 3153/1430
Engine oil (quarts/liters)	6.0/5.6 (with filter)
Engine coolant (quarts/liters)	11.5/10.9 (11.8/11.2 with manual transmission)

STEERING

Type	Power-assisted, speed-sensitive, magnetic variable-effort power rack and steering
Ratio (overall)	16.1:1
Turns stop-to-stop	2.32
Turning diameter curb-to-curb (ft./m)	40.0/12.2
Turning diameter wall-to-wall (ft./m)	41.3/12.6

BRAKES

Type	Power-assisted, 4-wheel vented disc with 4-wheel ABS	
	U. S. STANDARD	METRIC
Gross lining, front/rear (without grooves)	22.6/8.7 sq. in.	145.8/56.1 sq. cm.
Effective area, front/rear	22.3/8.7 sq. in.	144/56 sq. cm.
Disc rotor diameter x thickness, front	12.6 x 1.26 in.	302.3 x 1981.2mm
Disc rotor diameter x thickness, rear	11.8 x 1.0 in.	302.3 x 1981.2mm
Total swept area, front/rear	263/158 sq. in.	1696/1018.0 sq. cm.

ENGINES

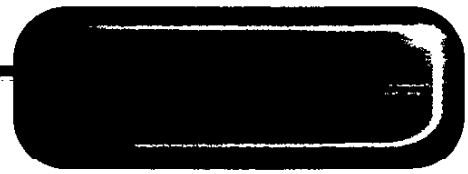
Type	5.7 Liter (LS1) V8 SFI
Block	Cast aluminum
Cylinder head	Cast aluminum
Valve configuration	Overhead (OHV) intake manifold
Hydraulic lifters	Yes/Roller
Bore & stroke (in.)	3.90 x 3.62
(mm)	99.0 x 92.0
Cam drive	Chain
Redline (rpm)	6000
Displacement (liters/cid)	5.67/346
Compression ratio	10.1:1
Fuel induction	Sequential Fuel Injection (SFI)
Horsepower/kw @ engine rpm	345 @ 5600/257 kw @ 5600
Torque/nm (lb.-ft.)	350 @ 4400/475 nm @ 4400
Exhaust system	Aluminized stainless steel
Tailpipe(s)	4, rear center exit
Ignition system	Coil near plug
Alternator (amps)	50 at Idle; 120 Maximum
Battery (SAE capacity rating cca)	600
Recommended fuel	Premium unleaded

TRANSMISSIONS

Models	Corvette hardtop	Corvette coupe/ Corvette convertible	Corvette coupe/ Corvette convertible
Transmission	6-speed manual (std.)	4-speed elec. automatic with overdrive (std.)	6-Speed Manual (opt.)
Layout	RWD, mounted ahead of rear axle	RWD, mounted ahead of rear axle	RWD, mounted ahead of rear axle
Gear ratios:			
1st	2.66	3.06	2.66
2nd	1.78	1.63	1.78
3rd	1.30	1.00	1.30
4th	1.00	0.70	1.00
5th	0.74	–	0.74
6th	0.50	–	0.50
Reverse	2.90	1.91	1.71
Final drive ratios	3.42	2.73[1]	3.42

1 3.15 with optional Performance Ratio.

1999 CORVETTE SPECIFICATIONS



CHASSIS

Chassis	
Structure/frame	Integral perimeter frame with center backbone/all-welded steel body frame construction
Body material	Fiberglass-reinforced plastic
Suspension — front	
Type	Independent SLA forged aluminum upper and pressure-cast aluminum lower control arms; forged aluminum steering knuckle, transverse monoleaf spring and steel stabilizer bar, spindle offset
Stabilizer bar design type/diameter (mm)	Link/23.0 (25.4 w/hardtop and optional Z51 Handling Package)
Suspension — rear	
Type	Independent 5-link design with toe and camber adjustment, cast aluminum upper and lower control arms and knuckle, transverse monoleaf spring, steel stabilizer bar and tie rods, tubular u-jointed metal matrix composite driveshafts
Stabilizer bar design type/diameter (mm)	Ball joint link/19.1 (27.1 w/hardtop and optional Z51 Handling Package)

MILEAGE/PERFORMANCE*

Model	All			
Transmission Type	4-speed automatic		6-speed manual	
Mileage:	MPG	litres/100 km	MPG	litres/100 km
City	17	13.8	18	13.1
Highway	25	9.4	28	8.4
Combined	20	11.8	21	11.2
Est. Cruising Range	mi.	km	mi.	km
City	325	523	344	553
Highway	478	769	544	875
Combined Engineering	382	615	401	645

*Based on 1999 GM estimates. 1999 EPA estimates not available at time of publication. The 1999 Corvette hardtop, coupe and convertible EPA estimates are projected to be the same.

TRAILERING INFORMATION

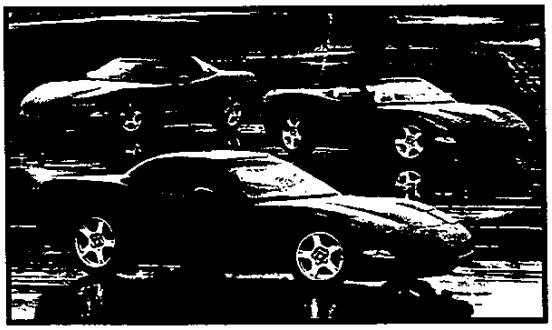
NOTE: Corvette models are not rated for trailering.

WHEELS & TIRES

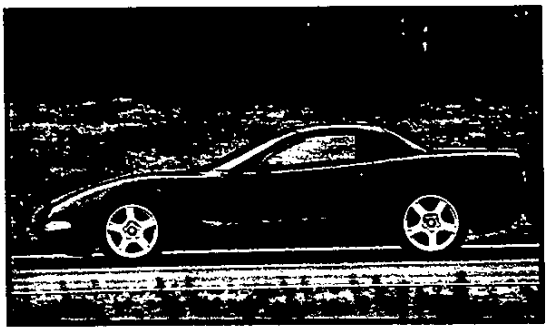
Model	All
Wheel type	Cast-aluminum 5-spoke
Wheel size	
— front	17" x 8.5"
— rear	18" x 9.5"
Tire type	Extended Mobility (EMT) Goodyear Eagle F1 high-performance
Tire size	
— front	P245/45ZR-17
— rear	P275/40ZR-18
Spare size	Not applicable

All specifications are preliminary and subject to change. Chevrolet Motor Division, June 1998.

1999 CHEVROLET CORVETTE PHOTO ORDERING

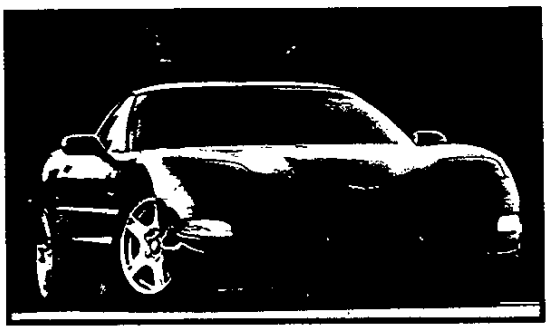


99-01COR Corvette Family

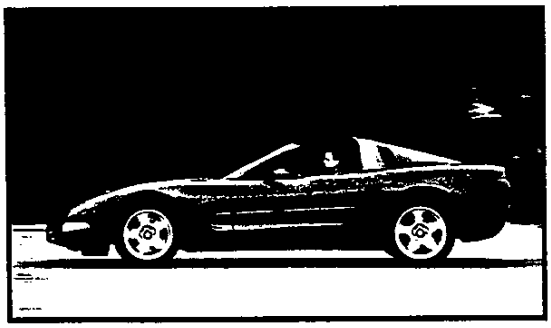


99-02COR Corvette hardtop

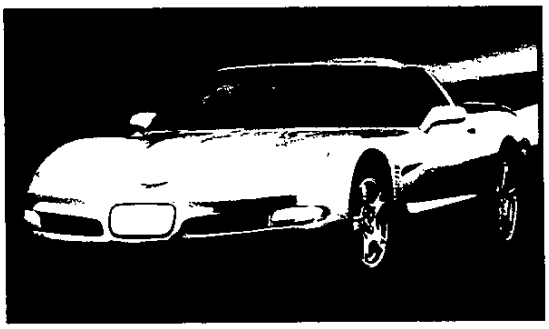
99-03COR Corvette hardtop



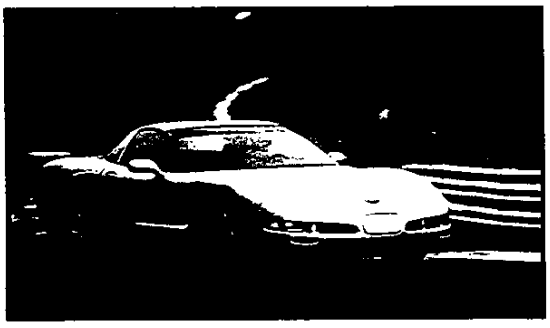
99-04COR Corvette coupe



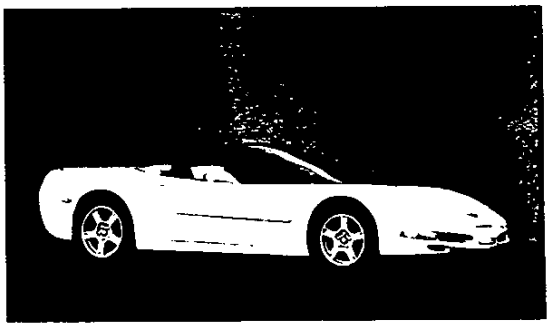
99-05COR Corvette coupe



99-06COR Corvette coupe

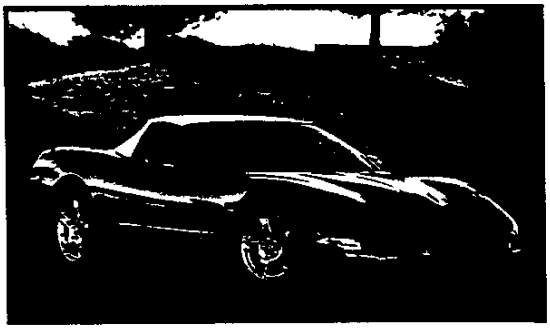


99-07COR Corvette coupe



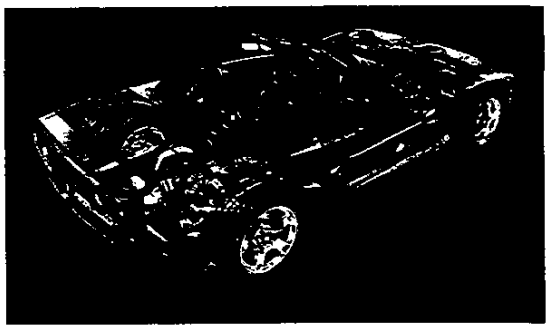
99-08COR Corvette convertible

1999 CHEVROLET CORVETTE PHOTO ORDERING



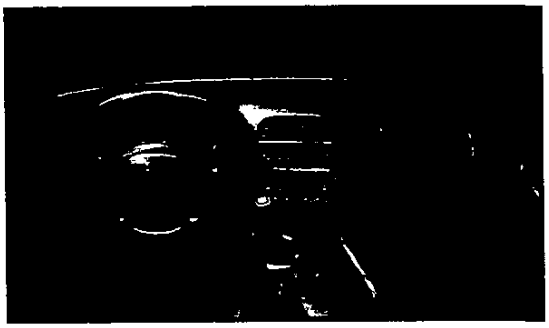
99-09COR Corvette convertible

99-10COR Corvette convertible

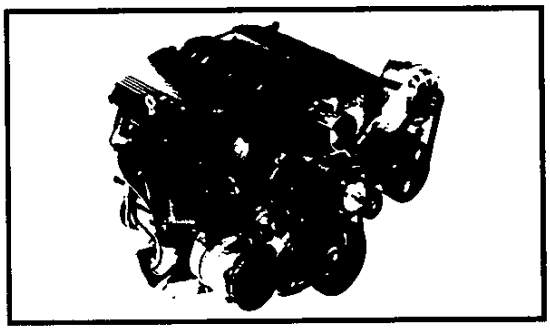


99-11COR Kimble Technical Illustration

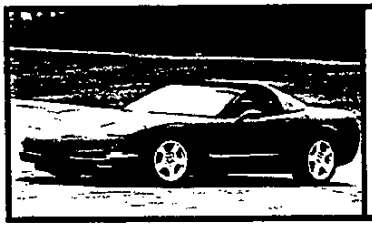
99-12COR Corvette Trunk



99-13COR Corvette Interior



99-07ENG 5.7 Liter V8 SFI (LS1)



1999 Chevrolet Corvette

VEHICLE SPECIFICATIONS

Body styles	Hardtop	Coupe	Convertible
Trim level	Base	Base	Base
Seating capacity	2	2	2
Wheelbase	104.5"	104.5"	104.5"
Overall length	179.7"	179.7"	179.7"
Overall width	73.6"	73.6"	73.6"
Overall height	47.9"	47.8"	47.7"

KEY INFORMATION

- The new 1999 Corvette Hardtop model completes the family of Corvettes that have been introduced over the last 2 years. It is the stiffest, quickest and lightest of the models. The hardtop is the ultimate performance vehicle, featuring a six-speed manual transmission and Z51 suspension as standard equipment. Active handling was introduced on the 1998 Indy Pace Car. Active handling, in concert with the anti-lock brakes and traction control, works to selectively apply any of the four brakes to aid the driver in overcoming oversteer or understeer situations.
- Due to its popularity, Corvette continues to meet both volume and profitability targets despite an increasingly competitive market. This is expected to continue throughout the 1999 MY.
- All three Corvette models (Coupe, Convertible and Hardtop) are built in Bowling Green, Kentucky.

SELECT STANDARD FEATURES

Mechanical/Performance
5.7L OHV V8:
345 hp @ 5600 rpm
350 lb-ft @ 4400 rpm
Transmission:
M6 (Hardtop)
A4 (Coupe, Convertible)
Rear-wheel drive
Front suspension:
Ind. SLA upper/lower control arms, transverse monoleaf spring, stabilizer bar
Rear suspension:
Ind. 5-link upper and lower control arms, transverse monoleaf spring, stabilizer bar
Steering:
Speed-sensitive, magnetic variable-effort power r&p
Brakes:
Power 4-wheel vented disc

Exterior
Mirrors:
Dual heated power
Tires:
245/45ZR17 (Front)
275/40ZR18 (Rear)
Wheels:
Cast aluminum

Interior
Seating:
Leather
6-way power driver's (Coupe, Convertible)
Climate control:
Air conditioning
Windows:
Power w/driver's and passenger's express-down
Door locks:
Power

SELECT OPTIONS/UPGRADES

Mechanical/Performance
Engine: None as specified
Transmission: 6-speed manual (Coupe, Convertible)
Suspension: None as specified
Steering: None as specified
Brakes: None as specified

Exterior
Mirrors: None as specified
Tires: None as specified
Wheels: Magnesium (Coupe, Convertible)

Interior
Seating: None as specified
Climate control: Dual-zone climate control (Coupe, Convertible)
Windows: None as specified
Door locks: None as specified

SAFETY SYSTEMS

	Standard	Avail. Opt.	N/A
Anti-lock brakes (ABS)	▪		
Traction control	▪		
Stability system	▪	▪	
Side-impact air bags			▪
Integrated child safety seat			▪
Daytime running lamps	▪		
Theft deterrent	▪		

AUDIO SYSTEM

	Standard	Avail. Opt.	N/A
Cassette	▪		
Compact disc		▪	
Premium system			▪
Antenna: Mast	HT fixed; Conv. pwr.		
On-glass	Coupe		
Rear seat audio control			▪
RDS			▪
Multimedia link			▪

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

1999

Manufacturer	Vehicle Line	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	CORVETTE	
Mailing Address	*Issued*	Revised
30007 VAN DYKE WARREN, MI 48090-9065		

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

AAMA

American Automobile Manufacturers Association

Blank Forms Provided by Technical Affairs Division

FORM AAMA-98

Specifications
METRIC

Table of Contents

Ø Indicates Format Change From Previous Year

NOTE:
1. This form uses both Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parenthesis.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	G.M. Midsize Car Division
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Chevrolet Motor Division

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
CORVETTE					
2-Door Coupe Plain Back (RWD)		1YY07	2 (2/0)	45.4 (100)	17/24
2-Door Coupe Notchback (RWD)		1YY37	2 (2/0)		
2-Door Coupe Convertible (RWD)		1YY67	2 (2/0)		

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

			A	B	C	D
ENGINE	Engine Code		LS1	LS1	LS1	
	Displacement Liters (in^3)		5.7 (346)	5.7 (346)	5.7 (346)	
	Induction system (FI, Carb, etc.)		Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	
	Compression ratio		10.1:1	10.1:1	10.1:1	
	SAE Net at RPM	Power kW (bhp)	257 (345) @ 5600	257 (345) @ 5600	257 (345) @ 5600	
		Torque N • m (lb. ft.)	475 (350) @ 4400	475 (350) @ 4400	475 (350) @ 4400	
	Exhaust single, dual		Dual	Dual	Dual	
TRANS	Transmission/ Transaxle		M30	MM6	M30	
	Effective Final Drive / Axle Ratio (std. first)		2.73 (GU2)	3.42 (GU6)	3.15 (G90)	

Series Availability		Power Teams (A - B - C - D)	
Model	**Code**	**Standard**	**Optional**
CORVETTE			
2-Door Coupe Plain Back	1YY07	A	B, C
2-Door Coupe Notchback (Hardtop)	1YY37	A	B
2-Door Coupe Convertible	1YY67	A	B, C

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90 Degree V, Front, Longitudinal,OHV
Manufacturer		General Motors Powertrain
No. of cylinders		Eight
Bore		99.0 mm
Stroke		92.0 mm
Bore Spacing (C / L to C / L)		111.8 mm
Cylinder block material & mass kg. (lbs.) (machined)		Aluminum, 48.6 (107.1)
Cylinder block deck height		234.7 mm
Cylinder block length		519.0 mm
Deck clearance (minimum) (above or below block)		Not Applicable
Cylinder head material & mass kg. (lbs.)		Aluminum, 9.2 (20.3)
Cylinder head volume cm^3 ($inches^3$)		67.3 (4.1)
Cylinder liner material		Cast Iron
Head gasket thickness (compressed)		1.33 mm
Cyl. no. system (front to rear)*	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order		1-8-7-2-6-5-4-3
Intake manifold material & mass kg. (lbs.)**		Composite, 7.2 (15.9)
Exhaust manifold material & mass kg. (lbs)**		Stainless Steel, Right: 5.3 (11.7), Left: 5.2 (11.5)
Knock sensor (number & location)		Two - Valley
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) ÷ 2		87
Engine Mounts	Quantity	Two
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Hydraulic Damper
	Added isolation (sub-frame, crossmember, etc.)	One Crossmember
Total dressed engine mass (wt) dry***		Automatic: 208 kg ; Manual: 226 kg

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum, 437 (15.4)

Engine - Camshaft

Location		In Cylinder Block "V" Above Crankshaft
Material & mass kg (weight, lbs.)		Steel, 4.4 (9.7)
Drive type	Chain / belt	Chain
	Width / pitch	5.72/9.53 mm

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.
** Finished state.
*** Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake / exhaust	Eight/Eight
	Head O.D. intake / exhaust	50.8 / 39.4 mm

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Powder Metal, 0.62 (1.4)
Length (axes C/L to C/L)	154.9 mm

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*		Cast Nodular Iron, 23.0 (50.7)
End thrust taken by bearing (no.)		Three
Length & number of main bearings		Five
Seal (material, one, two piece design, etc.)	Front	Teflon, One Piece
	Rear	Teflon, One Piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	415 (60) @ 5000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	5.6 (6.0)

Engine - Diesel Information (NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0°F.		
Injector nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel Injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake System (NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description 5.7 LITER V8
Engine Code LS1

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		103.0 (15.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	86.0 (187.0)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	10.5
	Number of pumps	One
	Drive (V-belt, other)	Poly V-Belt
	Bearing type	Double Row (Ball)
	Impeller material	Steel
	Housing material	Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling System capacity	With heater - L (qt.)	Automatic: 11.5 (12.2), Manual: 11.8 (12.5)
	With air conditioner - L (qt.)	Automatic: 11.5 (12.2), Manual: 11.8 (12.5)
	Opt. equipment specify - L (qt.)	Not Applicable
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		No
Radiator core	Std., A/C, HD	A/C, Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass kg (wgt., lbs.)	Aluminum Header, Tubes and Fins, 4.08 kg (10.0)
	Width	630.0 mm (24.8 in.)
	Height	438.0 mm (17.24 in.)
	Thickness	24 mm (All)
	Fins per inch	3.0 (16.9 fpi)
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Electric, Standard
	Number of blades & type (flex, solid, material)	Five-Blades and Ring Shroud, Plastic
	Number & location (front, rear of radiator)	Two Fans, Rear of Radiator
	Diameter & projected width	316 mm
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	Temperature and Pressure Sensor
	Drive type (direct, remote)	Direct
	RPM at idle (elec.)	2100
	Motor rating (wattage/elec.)	150 W - 2200 RPM
	Motor switch (type & location/elec.)	Temperature Sensor Located on Engine, Pressure Sensor on A/C Liquid Tube
	Switch point (temp./pressure/elec.)	Various
	Fan shroud (material)	Plastic

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Engine - Fuel System (See Supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used.)

Induction type: carburetor, fuel injection system, etc.		Sequential Fuel Injection
Manufacturer		Bosch
Carburetor no. of barrels		Not Applicable
Idle A/F mix.		Preset - No Adjustment
Fuel injection	Point of injection (no.)	Ports (8)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic - On Board Computer
	System pressure kPa (psi)	400.0 (58.0)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	PCM Controlled 575
	Automatic	PCM Controlled 800
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Inline, Replaceable / Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	400 kPa
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	20 (5.3) @ 400 (58)

Fuel Tank

Capacity refill L (gallons)		75.7 (19.1)
Location (describe)		Under Rear Deck - Rear of Seat Back Between Side Rail and Tunnel
Attachment		Held By Aluminum Plate
Material & Mass kg. (weight lbs.)		Density Polyethylene 5.1 Kg each
Filler pipe	Location & material	Left Side Rear of Door
	Connection to tank	Left Side of Left Tank
Fuel line (material)		Aluminum
Fuel hose (material)		Viton
Return line (material)		Aluminum
Vapor line (material)		Aluminum
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	Not Applicable
	Location & material	Not Applicable
	Attachment	Not Applicable
Auxiliary tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	Not Applicable
	Location & material	Not Applicable
	Attachment	Not Applicable
	Selector switch or valve	Not Applicable
	Separate fill	Not Applicable

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Vehicle Emission Control

Type (air injection, engine modifications, other)				See Below
Exhaust Emission Control	Air injection	Pump or pulse		Pump
		Driven by		Electric
		Air distribution (head, manifold, etc.)		Exhaust Manifold (Computer Command Control)
		Point of entry		Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)		Not Applicable
		Exhaust source		Not Applicable
		Point of exhaust injection (spacer, carburetor, manifold, other)		Not Applicable
	Catalytic Converter	Type		Three-Way
		Number of		Two
		Locations(s)		Under Floor
		Volume L (in³)		1.4 (85.0)
		Substrate type		Monolith
		Noble metal type		Platinum, Rhodium
		Noble metal concentration (g/cm³)		
Crankcase Emission Control		Type (ventilates to atmosphere, *induction system, other*)		Induction System
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
		Discharges to (intake manifold, other)		Intake Manifold
		Air inlet (breather cap, other)		Throttle Body
Evaporative Emission Control		Vapor vented to (crankcase, canister, other)	From Fuel Tank To	Canister
			From Carburetor To	Not Applicable
		Vapor storage provision		Canister
Electronic system		Closed loop (yes/no)		Yes
		Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Dual
Muffler no. & type , Muffler volume (liters), Material & Mass kg. (weight lbs.)		Reverse Flow, 10.9 Liters each Two, Aluminized Stainless Steel
OD		H-Pipe 63.5
Exhaust pipe	Branch o.d., wall thickness	
	RH/LH	63.5 x 1.5 mm (2.5 in. x 0.060 in.)
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel
Intermediate pipe	o.d. & wall thickness	RH/LH 63.5 x 1.5 mm (2.5 in. x 0.060 in.)
	Material	Aluminized Stainless Steel
Tail pipe	o.d. & wall thickness	Single Wide Wall, 44.5 x 1.5 mm (1.75 in. x 0.060 in.)
	Material	Aluminized Stainless Steel/RH & LH Outer
Exhaust System/Includes Take Down Pipes, Catalytic Converts, *Intermediate Pipes*, Mufflers and Tailpipes Mass KG (Weight #'s)		37.9 KG (83.38 Lbs.)

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Not Applicable
Manual 6-speed (manufacturer/country)	Tremec/Mexico
Automatic (manufacturer/country)	Not Applicable
Automatic overdrive (manufacturer/country)	GM Powertrain Group, USA

Manual Transmission/Transaxle

Number of forward speeds		Six
Gear ratios	1st	2.66
	2nd	1.78
	3rd	1.30
	4th	1.00
	5th	0.74
	6th	0.50
	Reverse	2.90
Synchronous meshing (specify gears)		All Forward Gears and Reverse
Shift lever location		Chassis Mounted
Trans. case material & mass kg. (lbs.)*		Aluminum, 56.2 (124.0)
Lubricant	Capacity L (qts.)	3.46 (3.66)
	Type recommended	Dexron III

Clutch (Manual Transmission)

Clutch manufacturer		Luk, Inc.
Clutch type (dry, wet; single, multiple disc)		297 mm Type - Dry Clutch - Push Type, Single Disc
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic Pre-Filled
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	145 N (32.6 lbs.)
	Released	90 N (20.2 lbs.)
Assist (spring, power/percent, nominal)		Spring
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		11,500 N (Static) (2584 lbs.)
Clutch facing	Facing mfgr. & material coding	Valeo F-808
	Facing material & construction	Non-Asbestos Woven, Bonded Steel Backing
	Rivets per facing	32
	Outside x inside dia. (nominal)	297 x 198 mm (11.69 x 7.80 in.)
	Total eff. area cm^2 ($in.^2$)	384.9 cm^2 (59.6 in^2)
	Thickness (pressure plate side/fly wheel side)	3.4 / 3.4 mm (0.134 / 0.134 in.)
	Rivet depth (pressure plate side/fly wheel side)	2.5 mm (0.098 in.)
	Engagement cushion method	Cushion Springs
Release bearing type & method lub.		Angular Contact Ball Bearing
Torsional damping method, springs, hysteresis		Coil Spring Clutch Disc With Friction Damper

* Includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Automatic Transmission/Transaxle

Trade Name		Hydra-Matic 4L60E
Type and special features (describe)		Four-Speed Automatic Overdrive 4th Gear, Lock Up Torque Converter Clutch
Shift mechanics		Hydraulic Clutches / Electronic Controls
Gear selector	Location (column, floor, other)	On Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N-(D)-D-2-1
	Shift interlock (yes, no, describe)	Yes (Brake Interlock)
Gear *ratios*	1st	3.06
	2nd	1.63
	3rd	1.00
	4th	0.70 (Computer Controlled Torque Converter Clutch)
	5th	*Not Applicable*
	6th	Not Applicable
	Reverse	2.29
	Final drive ratio	2.73 or 3.15
Max. upshift vehicle speed - drive range km/h (mph)		One-Two = 77 (48) Three-Four = 235 (146) Two-Three = 145 (90)
Max. upshift engine speed RPM		6000
Max. kickdown speed - drive range km/h (mph)		*Four-Three = 216 (134) Three-Two = 126 (78) Two-One = 61 (38)*
Min. overdrive speed km/h (mph)		56 (35)
Torque converter	Type	Three Element with Converter Clutch
	Torus design	Full function
	Number of elements	Three
	Max. ratio at stall	1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 mm
	Capacity factor "K"*	95
Pump type		Variable Displacement Vane
Lubricant	Capacity refill L (qts.)	4.8 (5.07)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, External, Liquid
*Transmission mass kg (lbs.) & case material***		71.2 (dry) Cast Aluminum

All Wheel / 4 Wheel Drive (Not Applicable)

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear *ratio*		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

* Input speed ÷ $\sqrt{\text{torque}}$
** *Dry weight including torque converter.* If other, specify.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

Axle ratio (or overall top gear ratio)		(M30/GU2) 2.73	(M30/G90) 3.15	(MM6/GU6) 3.42
Ring gear o.d.		205		
No. of teeth	Pinion	15	13	12
	Ring gear	41	41	41

Rear Axle Unit

Description		Getrag 625
Limited slip differential (type)		Disc Clutches
Drive pinion	Type	Hypoid
	Offset	44.45 (1.75)
No. of differential pinions		Two
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Not Available
Lubricant	Capacity L (pt.)	1.6 (3.38)
	Type recommended	9986115 GL5 Gear Lubricant (Synthetic) with 0.12L 9985412 Limited Slip Friction Modifier

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Auto - Straight Tube, External Damper	Manual - No Damper
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Available	
	Manual 5-speed transmission		Not Available	
	Manual 6-speed transmission		55 mm x 1460.7 x 2.45 (2.16 x 57.50 x .096)	
	Overdrive			
	Automatic transmission		Aluminum 55 mm x 1503.8 x 2.45 (2.16 x 59.20 x .096)	
Intermediate bearing	Type (plain, anti-friction)		Not Available	
	Lubrication (fitting, prepack)		Not Available	
Slip yoke	Type		Splined	
	Number of teeth		Automatic Trans - 26	Manual
	Spline o.d.		28.38 (1.12 in.)	
Universal joints	Make and mfg. no.	Front	Not Available	
		Rear	Not Available	
	Number used		Two	
	Type (ball and trunnion, cross)			
	Rear attach (u-bolt, clamp, etc.)		Bolt	
	Bearing	Type (plain, anti-friction)		
		Lubrication (fitting, prepack)		
Drive taken through (torque tube, arms or springs)			Torque Tube	
Torque taken through (torque tube, arms or springs)			Torque Tube	

* Centerline to centerline of universal joints, or to centerline of rear attachment.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description	5.7 LITER V8 LS1

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available		Not Applicable
	Manual/automatic control		Not Applicable
	Type (air/hydraulic)		Not Applicable
	Primary/assist spring		Not Applicable
	Rear only/4 wheel leveling		Not Applicable
	Single/dual rate spring		Not Applicable
	Single/dual ride heights		Not Applicable
	Provision for jacking		See Page 11A
Shock absorber damping controls	Standard/option/not available		Optional
	Manual/automatic control		Automatic Control
	Number of damping rates		Variable Valving
	Type of actuation (manual/ electric motor/air, etc.)		Electric Motor
	Sensors	Lateral acceleration	Not Applicable
		Deceleration	Not Applicable
		Acceleration	Not Applicable
		Road surface	Yes
Shock absorber (front & rear)	Type		FE1 - Monotube
	Make		Sachs
	Piston diameter		46.0 mm (1.81 in.)
	Rod diameter		10.0 mm (0.393 in.)

Suspension - Front

Type and description			See Page 11A
Travel	Full jounce (define load condition)		90.0 mm (3.46 in.), Metal to Metal
	Full rebound		90.0 mm (3.58 in.)
Spring	Type (coil, leaf, other & material)		Monoleaf, Filament Wound Glass - Epoxy Composite
	Insulators (type & material)		Pivot; Rubber Mounted
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Leaf: 1152 mm x 90 mm Coil & Bar - Not Applicable
	Spring rate N/mm (lb./in.)		FE1- 77.2 N/mm (683.3)
	Rate at wheel N/mm (lb./in.)		FE1 - 18.5 N/mm (163.7)
Stabilizer	Type (link, linkless, frameless)		Link - Ball Joint Composite Material
	Material & O.D. bar/tube, wall thickness		FE1 - 23 Diameter Tube, 3.8 Wall

Suspension - Rear

Type and description			See Page 11A
Travel	Full jounce (define load condition)		96 mm
	Full rebound		90 mm
Spring	Type (coil, leaf, other & material)		Monoleaf, Filamount Wound Glass - Epoxy Composite
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Leaf: 1273.5 mm x 90.0 mm Coil & Bar - Not Applicable
	Spring rate N/mm (lb./in.)		FE1 - 103 N/mm (911.7)
	Rate at wheel N/mm (lb./in.)		FE1 - 23.2 N/mm (205.3)
	Insulators (type & material)		Neoprene
	If leaf	No. of leaves	Monoleaf
		Shackle (comp. or tens.)	Tension
Stabilizer	Type (link, linkless, frameless)		Ball Joint Link
	Material & O.D. bar/tube, wall thickness		Material: SAE 4130, Bar Size: FE1 - 19.1 mm x 2.0 mm
Track bar (type)			None

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary) SUPPLEMENTAL PAGE

PROVISIONS FOR JACKING:

Place Jackhead Between Locator Triangles on Rocker Flange Nearest to Tire Being Changed. Make Sure Jack is Under the Steel Flange.

SUSPENSION - FRONT

Independent SLA, Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Composite Monoleaf Spring and Steel Stabilizer, Tubular Steel Stabilizer Bar.

SUSPENSION - REAR

Independent SLA, Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Composite Monoleaf Spring, Tubular Steel Stabilizer Bar, Steel Steering Link.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

5.7 LITER V8
LS1

Brakes - Service

Description				Hydraulic Power Brake Front and Rear Disc
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)		PBR Pin Guided Aluminum Caliper
		Rear (disc or drum)		PBR Pin Guided Aluminum Caliper
Valving type (proportion, delay, metering, other)				Proportioning Valve
Power brake (std., opt., n.a.)				Standard
Booster type (remote, integral, vac., hyd., etc.)				Vac 220.0 mm Tandum 613.10 cm^2
Vacuum	Source (inline, pump, etc.)			Engine Plenum
	Reservoir (volume $in.^3$)			Not Applicable
	Pump-type(elec., gear or belt driven)			Not Applicable
Traction assist	Operational speed range			All Speeds
	Type (engine or brake intervention)			Engine and Brake Intervention
Antilock device	Front/rear (std., opt., n.a.)			Standard Front and Rear
	Manufacturer			Bosch ABS/ASR V/Delphi
	Type (electronic, mech.)			Electrohydraulic
	Number sensors or circuits			(Four) Wheel Sensors
	Number antilock hydraulic circuits			Four (Two Front and Two Rear) Hydraulic
	Integral or add-on system			Add-On
	Yaw control (yes, no)			Yes
	Hyd. power source (elec., vac., mtr., pwr., strg.)			Electronic Motor Pump
Effective area cm^2 $(in.^2)$*				Front Linings 144 (22.3); Rear Linings 56 (8.7) (Without Grooves)
Gross Lining area cm^2 $(in.^2)$** (F/R)				Front Linings 146 (22.6); Rear Linings 56 (8.7) (Without Grooves)
Swept area cm^2 $(in.^2)$*** (F/R) Axle Sums				Front 1696 (263); Rear 1018 (158)
Rotor	*Outer working diameter*		F/R	*Front 320 mm; Rear 300 mm*
	Inner working diameter		F/R	Front 220 mm; Rear 240 mm
	Thickness		F/R	Front 32 mm; Rear 26 mm
	Material & type (vented/solid)		F/R	HCR Iron Vent Front & Rear
Drum	Diameter & width		F/R	Not Applicable
	Type and material		F/R	Not Applicable
Wheel cylinder bore				Front Dual Piston 40.5 mm (1.6 in.) Rear 45.0 mm (1.8 in.)
Master cylinder	Bore/stroke		F/R	Front 25.4 / 20.6 mm (0.93/0.80 in.) Rear 25.4 / 12.6 mm
Pedal arc ratio				4.0:1
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]				W/Power Front (1250), Rear (750)
Lining clearance			F/R	Front and Rear Self Adjusting
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integral Mold
		Rivet Size		Not Applicable
		Manufacturer		Japan Brake Industries
		Lining code *****		JB NF42FF
		Material		Non-Asbestos Organic
		**** Primary or out-board		Front 161 x 50 x 9.5 mm (5.31 x 1.57 x 0.37 in.)
		Size Secondary or in-board		Front 161 x 50 x 9.5 mm (5.31 x 1.57 x 0.37 in.)
		Shoe thickness (no lining)		5.0 mm (0.236 in.)
	Rear wheel	Bonded or riveted (rvts/seg.)		Integral Mold
		Manufacturer		Japan Brake Industries
		Lining code *****		JB NF42FF
		Material		Non-Asbestos Organic
		**** Primary or out-board		105 x 30 x 10.5 mm (4.25 x 1.38 x 0.33 in.)
		Size Secondary or in-board		105 x 30 x 10.5 mm (3.70 x 1.38 x 0.33 in.)
		Shoe thickness (no lining)		5.0 mm

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
*** *Total swept area* for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
**** Size for drum brakes includes length x width x thickness. *****Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description	5.7 LITER V8 LS1

Tires And Wheels (Standard)

Tires	Size (service description)		P245/45ZR17 Front; P275/40ZR18 Rear, Base	
	Type (bias, radial, steel, nylon, etc.)		High Speed Steel Belted Radial Eagle F1 GS (Goodyear), Unidirectional & Symmetrical	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 Front	207 Rear
		Rear kPa (psi)	240 Front	207 Rear
	Rev./mile at 70 km/h (45 mph)		806 Front; 777 Rear	
Wheels	Type & material		Aluminum Alloy Road Wheels Magnesium for Europe, Japan	
	Rim (size & flange type)		17 x 8.5 Front, 18 x 9.5 Rear	
	Wheel offset		56.0 mm Alum 60.0 Mg Frt., 61.0 mm Alum 65.0 Mg Rear	
	Attachment	Type (bolt or stud & nut)	Stud	
		Circle diameter	120.7 mm (4.75 in.)	
		Number & size	Five Hex Nuts, One Anti-Theft; M12 x 1.5 - 6H	
Spare	Tire and wheel		No Spare	
	Storage position & location (describe)		Not Applicable	

Tires And Wheels (Optional)

Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	Magnesium Alloy Road Wheels
Rim (size, flange type and offset)	17 x 8.5 Front, 18 x 9.5 Rear
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	Same As Standard

Brakes - Parking

Type of control		Hand
Location of control		Center Console
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	190 mm
	Lining size (length x width x thickness)	400 x 25 x 3 mm

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

5.7 LITER V8
LS1

Steering

Manual (std., opt., n.a.)				Not Available
Power (std., opt., n.a.)				Standard
Speed-sensitive (std., opt., n.a.)				Standard
4-wheel steering (std., opt., n.a.)				Not Available
Adjustable steering wheel/column (tilt, telescope, other)		Type		Tilt
		Manufacturer		Delphi Saginaw Steering Systems
		(std., opt., n.a.)		Standard
Wheel diameter** (W9) SAE J1100		Manual		Not Available
		Power		380.0 mm (15.0 in.)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		12.6 (41.3)
		Curb to curb (l. & r.)		11.89 (39.0)
	Inside rear	Wall to wall (l. & r.)		Not Available
		Curb to curb (l. & r.)		Not Available
Scrub Radius*				
Manual	Gear	Type		Not Available
		Manufacturer		Not Applicable
		Ratios	Gear	Not Applicable
			Overall	Not Applicable
	No. wheel turns (stop to stop)			Not Applicable
Power	Type (coaxial, elec. hyd., etc.)			Alloy Rack and Pinion Hydraulic
	Manufacturer			Delphi Saginaw Steering Systems
	Gear	Type		End Take-Off
		Ratios	Gear	--
			Overall	16.2:1
	Pump (drive)			Accessory Belt Driven, Light Weight Transverse Compact Pump
	No. wheel turns (stop to stop)			2.66 Turns
Linkage	Type			End Take-Off
	Location (front or rear of wheels, other)			Front of Wheel
	Tie rods (one or two)			Two
Steering axis	Inclination at camber (deg.)			
	Bearings (type)	Upper		Plastic Lined Lube for Life
		Lower		Plastic Lined Lube for Life
		Thrust		Lower Ball Joint
Steering spindle/knuckle & joint type				Upper and Lower Ball Joints

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
** See Page 23.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description	5.7 LITER V8 LS1

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	6.1 (±) 0.5
		Camber (deg.)	-0.2 (±) 0.5
		Toe-in outside track mm (in.)	0.04 (±) 0.1 Each Wheel
	Service reset*	Caster (deg.)	0.04 (±) 0.1 Each Wheel
		Camber (deg.)	0.04 (±) 0.1 Each Wheel
		Toe-in mm (in.)	0.04 (±) 0.1 Each Wheel
	Periodic M.V. inspection	Caster (deg.)	0.04 (±) 0.1 Each Wheel
		Camber (deg.)	0.04 (±) 0.1 Each Wheel
		Toe-in mm (in.)	0.04 (±) 0.1 Each Wheel
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0.18 (±) 0.5 Each Wheel
		Toe-in outside track mm (in.)	0.0 (±) 0.1 Each Wheel
	Service reset*	Camber (deg.)	0.0 (±) 0.1 Each Wheel
		Toe-in mm (in.)	0.0 (±) 0.1 Each Wheel
	Periodic M.V. insp.	Camber (deg.)	0.0 (±) 0.1 Each Wheel
		Toe-in mm (in.)	0.0 (±) 0.1 Each Wheel

* Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)		Analog, Standard
	Trip odometer (std., opt., n.a.)		Standard
Head-up display	Standard, optional, not available		Not Available
	Type	Secondary, opto-electronic	Not Available
	Speedometer	Digital	Not Available
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	Not Available
	Brightness control	Day / night mode, adjustable	Not Available
EGR maintenance indicator			Not Available
Charge indicator	Type		Analog Display, Digital
	Warning device (light, audible)		Standard - Warning Audible, Digital, Check Gage Light
Temperature indicator	Type		Analog Display, Digital
	Warning device (light, audible)		Standard - Warning Audible, Digital, Check Gage Light
Oil pressure indicator	Type		Analog Display
	Warning device (light, audible)		Standard - Warning Audible, Digital, Check Gage Light
Fuel indicator	Type		Analog
	Warning device (light, audible)		Standard - Warning - Reserve, Low, Audible, Check Gage Light
Windshield wiper	Type (standard)		Intermittent Control System
	Type (optional)		Not Available
	Blade length		508.0 mm (22 in.)
	Swept area cm^2 ($in.^2$)		6920 (1072.9)
Windshield washer	Type (standard)		Push Button - Manual
	Type (optional)		Not Available
	Fluid level indicator (light, audible)		Not Available
Rear window wiper, wiper/washer (std., opt., n.a.)			Not Available
Horn	Type		Air Horn
	Number used		Two
Other			See Page 15A

These Lights in the IP Cluster:

- Traction Light
- Check Gages Light
- Security Light
- Check Engine
- Shift One to Four Light
- ABS Light
- Safety Belt Light
- Park Brake Light
- Air Bag Light

The Center of the Cluster Shows:

- Speedometer
- Odometer
- Fuel Gage
- Driver Information Center
- Volt Gage
- Oil Pressure Gage
- Coolant Temperature Gage

These Telltales Illuminate in The Driver Information Center (DIC)

- Low Oil Pressure
- High Oil Temperature Reduce Engine RPM
- Engine Protection Reduce Engine RPM
- Upshift Now
- Coolant Over Temp
- Reduced Engine Power
- Maximum Speed XX MPH
- Shocks Inoperative / Service Ride Control
- High Trans Temp
- Flat Tire - LF, RF, LR or RR
- High Tire Pressure - LF, RF, LR or RR
- Low Tire Pressure - LF, RF, LR or RR
- Low Oil Level
- Low Coolant Level
- Low Voltage
- High Voltage
- Low Brake Fluid
- Change Oil Now
- Service Traction System
- Service Column Lock
- Pull Key - Wait 10 Sec.
- Service Ride Control
- Change System Fault
- Service Vehicle Soon
- Low Fuel
- Low Washer Fluid
- Hatch Ajar
- Door Ajar
- Tonneau Ajar
- Reserve Fuel
- Change Oil Soon
- Cruise Set XX MPH
- Cruise Off
- Broke Before Shift
- Traction System On or Off
- Traction System Active
- Service ABS

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8
Engine Code	LS1

Electrical - Supply System

Battery	Manufacturer	Delphi Energy & Engine Management Systems
	Model, std., (opt.)	655
	Voltage	12
	Amps at 0° F. cold crank	525
	Minutes-reserve capacity	90
	Amps/hrs.-20 hr. rate	54
	Location	Engine Compartment Directly Behind Right Wheel Opening
Alternator	Manufacturer	Valeo
	Rating (idle/max. rpm)	70-110 Amps @ 1600-6000 GRPM
	Ratio (alt. crank/rev.)	2.79:1
	Output at idle (rpm, park)	70 Amps @ 1600 GRPM
	Optional (type & rating)	Not Applicable
Regulator	Type	Integral with Alternator

Electrical - Starting System

Motor	Manufacturer	Delphi
	Current drain	450 Amperes
	Power rating kw (hp)	1.7 (2.3)
Motor drive	Engagement type	Solenoid Actuated, Positive Engagement
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)		Standard
	Other (specify)		Coil-Near Plug
Coil	Manufacturer		Nippondenso
	Model		5-099700-456
	Current	Engine stopped - A	–
		Engine idling - A	–
Spark plug	Manufacturer		Delphi
	Model		41-952 Part No. 25171803
	Thread (mm)		14.0
	Tightening torque N-m (lb. ft.)		9-20 (7-15)
	Gap		1.5 mm (0.060")
	Number per cylinder		One
Distributor	Manufacturer		Not Applicable
	Model		Not Applicable

Electrical - Suppression

Locations & type	Internal Generator Capacitor, Non-Metallic High-Tension Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal A/C Blower Motor & A/C Compression Diode, with Radio Provisions

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description	2-DOOR COUPE PLAIN BACK 1YY07

Body

Structure	Integral Perimeter with Structural Tunnel Frame - Birdcage Forms Strong Unitized Body Structure. Structural Composite Panels Bonded to Spaceframe. Aerodynamically Shaped Body with Deeply Angled Windshield. Major Body Panels SMC Reinforced Composite with Molded-In Coating. Rim Front Fenders. Single Lift Off Roof Panel (Coupe), Tinted Glass All Around. "Unibase" Paint Process, Final Clear Coat Paint Finish.
Bumper system front -rear	Front - Full-Width Polypropylene Foam Energy Absorber. Body Color, Glass-Reinforced Rim Fascia. Rear-Full Width Polypropylene Foam Energy Absorber. Body Color, Glass-Reinforced Rim Fascia. Steel Bumper Beams Integral to Frame (Welded) Front and Rear.
Anti-corrosion treatment	All Encompassing Corrosion Protection Including Extensive Use of Aluminum; Galvanization; Use of Specially Treated Fasteners; Austenitic Stainless Steel or Specially Coated Brackets, Clamps, Clips and Braces; Use of Aluminized Steel, Dip Painted; Use of Materials that Resist Corrosion.

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)			Water Bourne High Solids Base Coat Enamel with High Solids Clear Coat
Hood	Material & mass		Sheet Molded Compound with Steel Reinforcements, (15.0 lbs.)
	Hinge location (front, rear)		Front
	Type (counterbalance, prop)		Forward Hinged Hood (Dual Gas Struts)
	Release control (internal, external)		Interior
Trunk lid	Material & mass		Not Applicable
	Type (counterbalance, other)		Not Applicable
	Internal release control (elec., mech., n.a.)		Not Applicable
Hatchback lid	Material & mass		22.0 kg (48.5 lbs.) SMC Panels - Wrap Around Tempered Glass
	Type (counterbalance, other)		Front Hinged (Dual Gas Struts)
	Internal release control (elec., mech., n.a.)		Electric Release, Standard Instrument Panel and Key Fob
Tailgate	Material & mass		Not Applicable
	Type (drop, lift, door)		Not Applicable
	Internal release control (elec., mech., n.a.)		Not Applicable
Vent window control (crank, friction, pivot, power)		Front	Not Available
		Rear	Not Available
Window regulator type (cable, tape, flex drive, etc.)		Front	Cable Drive
		Rear	Not Applicable
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket Seat: Leather Seating Surface (1YY07, 1YY67); Cloth Seating Surface (1YY37)
		Rear	Not Available
		3rd seat	Not Available
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket Seat: Leather Seating Surface (1YY07, 1YY67), Cloth Seating Surface (1YY37)
		Rear	Not Available
		3rd seat	Not Available

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	All-Welded Steel Spaceframe Construction, 98% Galvanized; Dip Primed. Bolt-On Front and Rear Aluminum Suspension Crossmembers.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description 2-DOOR COUPE PLAIN BACK
1YY07

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / Optional	First seat	3-Point Active Lap & Shoulder Belt		3-Point Active Lap & Shoulder Belt
		Second seat			
		Third seat			
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard / Optional	First seat	Air Bag Standard		Air Bag Standard
		Second seat			
		Third seat			

Glass	SAE Ref.No.	
Windshield glass exposed surface area cm² (in.²)	S1	8710.0 (1350.0)
Side glass exposed surface area cm² (in.²) - total 2 sides	S2	4725.8 (732.5)
Backlight glass exposed surface area cm² (in.²)	S3	6205.0 (971.8)
Total glass exposed surface area cm² (in.²)	S4	18922.2 (2932.9)
Windshield glass (type/thickness)		Curved - Laminated Plate - Tinted - 5.4 mm
Side glass (type/thickness)		Curved - Tempered Plate - Tinted - 5.0 mm
Backlight glass (type/thickness)		Curved - Tempered Plate - Tinted (Hatchback) 4.0 mm
Tinted (yes/no, location)		Yes - All
Solar control (yes/no, coated/batched, location)		

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Sealed Beam
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	2B1 on Both - One Capsule Per Side
Quantity	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	
Quantity	

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

5.7 LITER V8
LS1

Climate Control System

Air conditioning (std., opt., man., auto.)		Manual A/C - Standard
Condenser	Type	Header Tube and Center
	Eff. face area (sq. mm.)	245,420
	Fins per inch	16.9 Fins/Inch
Evaporator	Type	Staggered Rib, Plate Type
	Eff. face area (sq. mm.)	48,387
	Fins per inch	14 Fins/Inch
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	29,060
	Fins per inch	33 Fins/Inch
Compressor	Type	Piston Type, Wobble Plate, Variable Displacement
	Displacement (cc.)	179 cc
	Manufacturer	Delphi Thermal Systems
	A/C pulley ratio	1.43:1
Accumulator	Type	Accumulator/Dehydrator
	Height (mm.)	231
	Diameter (mm.)	93
Receiver	Type	Not Available
	Height (mm.)	Not Available
	Diameter (mm.)	Not Available
Refrigerant control (CCOT, TVS, etc.)		VDOT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R-134a
Charge level (lbs. - oz.)		1.625
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		No

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description

2-DOOR COUPE PLAIN BACK
1YY07

Convenience Equipment (standard, optional, n.a.)

Clock (digital, analog)		
Compass / thermometer		Thermometer on CJ2
Console (floor, overhead)		Standard Floor
Defroster, electric windshield		Not Available
Defroster, electric backlight		Standard
Electronic	Diagnostic monitor (integrated, individual)	Standard - ALCL (Assembly Line Communications Link); Integrated
	Instrument cluster (list instruments)	Speedo, Tach, Coolant Temps, Oil Pressure, Volts, Fuel
	Keyless entry	Passive, Active Standard
	Tripminder (avg. spd., fuel)	Range, Average and Instant MPG
	Voice alert (list items)	Not Available
	Other	Analog Instrumentation Standard
Fuel door lock (remote, key, electric)		Electric
Integrated Child Seating	Std./opt. & location in vehicle	Not Available
	Number of occupants	Not Available
	Occupant weight/height (min. & max.)	Not Available
	Restraint system description (3 or 5-point belts/booster seat capability)	Not Available
Lamps	Daytime Running Lamps (yes/no)	Not Available
	Cornering	Not Available
	Courtesy (map, reading)	Standard - Floor, Inside Rear View Mirror
	Door lock, ignition	Not Available
	Engine compartment	Standard
	Fog	Optional
	Glove compartment	Standard - In Glove Box & Instrument Panel
	Trunk	Standard - Two Lamps Mounted in Rear Quarter (Optional TR9 on 1YY37)
	Illuminated entry system (list lamps, activation)	Courtesy Lamps
	Other	Not Applicable
Mirrors	Day / night (auto., man.)	Standard, Manual
	L.H. (remote, power, heated)	Power Standard, Heated
	R.H. (convex, remote, power, heated)	Power Standard, Heated
	Visor vanity (RH / LH, illuminated)	Standard, Illuminated (1YY07, 1YY67) (Optional on 1YY37)
Navigation system (describe)		None
Parking brake-auto release (warning light)		Manual Release, Tell-Tale-Standard

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

2-DOOR COUPE PLAIN BACK
1YY07

Convenience Equipment (standard, optional, n.a.)

Power equipment	Deck lid (release, pull down)		Standard - Electric Hatch Release (Two Remote Locations - Instrument Panel and Door Key)
	Door locks (manual, automatic, describe system)		Standard Deck Lid Hatch Standard Door Locks
	Seats	2 - 4 - 6 way, etc.	Six-Way Optional
		Reclining (R.H., L.H.)	Manual Standard
		Memory (R.H.,L.H., preset recline)	Optional
		Support (lumbar, hip, thigh, etc.)	Power Lumbar Optional (Not Available 1YY37)
		Heated (R.H., L.H., other)	Not Available
	Side windows		Standard
	Vent windows		Not Available
	Rear windows		
	Convertible Deck Lid		Standard - Power Release (Two Remote Locations - Instrument Panel and Door Key)
Radio systems	Antenna (location, whip, w/shield, power)		Windshield, Rear Glass or Power Antenna
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo Cassette / Bose
	Optional		AM/FM Stereo / Compact Disc / Bose Remote, 12 Disc, Compact Disc Changer in Rear Storage Well
	Speaker (number, location)		Bose - Four Front, Two Rear
Roof: open air or fixed (flip-up, sliding, "T")			Single, Full Width Lift - Off Roof Panel; Convertible Folding Top
Speed control device			Standard - Electronic Speed & Cruise Control with Resume Feature
Speed warning device (light, buzzer, etc.)			Not Available
Tachometer (rpm)			7,000
Telephone system (describe)			Cellular Phone Power Connector Under Passenger Foot Floor
Theft deterrent system			"VATS" Pass Key (Personal Automobile Security System) Includes Special Module with Resistor Decoder and Ignition Key with Embedded Pellets of Specified Resistance. Built-In Time Lag Forces Delay Between Attempts to Start Vehicle with Improper Key. Also Includes Anti-Theft Horn Alarm System with Starter Enable & Fuel (Doors and Hatch).

Trailer Towing (Not Applicable)

Towing capable	Yes / No	
Engine / transmission / axle	Std. / Opt.	
Tow class (I, II, III)*	Std. / Opt.	
Max. gross trailer wgt. (lbs.)	Std / Opt.	
Max. trailer tongue load (lbs.)	Std. / Opt.	
Towing package available	Yes / No	

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Model Code/Description	SAE Ref. No.	2-DOOR COUPE PLAIN BACK 1YY07	2-DOOR COUPE CONVERTIBLE 1YY67
Width			
Tread (front)	W101	1575.6 (62.03)	
Tread (rear)	W102	1578.4 (64.4)	
Vehicle width	W103	1869.4 (73.6)	
Body width at SgRP (front)	W117	1853.2 (72.9)	
Vehicle width (front doors open)	W120	3978.4 (156.7)	
Vehicle width (rear doors open)	W121	–	
Tumble-home (degrees)	W122	31.3	
Outside mirror width	W410	2080.9 (81.93)	
Length			
Wheelbase	L101	2655.5 (104.5)	
Vehicle length	L103	4565.6 (179.7)	
Overhang (front)	L104	987.3 (38.8)	
Overhang (rear)	L105	908.0 (35.8)	
Upper structure length	L123	2696.7 (106.2)	
Rear Wheel C/L "X" coordinate	L127	4073.52 (160)	
Height **			
Passenger distribution (front/rear)	PD1 ,2,3	PD1 = Front, PD2, 3NA	
Trunk/cargo load		**	
Vehicle height	H101	1211.5 (47.7)	1214.7 (47.8)
Cowl point to ground	H114	815.1 (32.1)	
Deck point to ground	H138	948.5 (37.3)	
Rocker panel-front to ground	H112	128.0 (5.0)	
Rocker panel-rear to ground	H111	131.3 (5.2)	
Windshield slope angle (degrees)	H122	63.9	
Backlight slope angle (degrees)	H121	75.3	59.07
Ground Clearance **			
Front bumper to ground	H102	92.8 (3.7)	
Rear bumper to ground	H104	343.6 (13.5)	
Bumper to ground front at curb mass (wt.)	H103	106.9 (4.2)	
Bumper to ground rear at curb mass (wt.)	H105	361.7 (14.2)	
Angle of approach (degrees)	H106	8.82	
Angle of departure (degrees)	H107	19.14	
Ramp breakover angle (degrees)	H147	10.96	
Axle differential to ground (front/rear)	H153	111.7 (4.4)	
Min. running ground clearance	H156	36.7 (1.44)	
Location of min. running ground clear.		Oil Drain Plug	

*** All Vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions.*
EPA loaded vehicle weight is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

All linear dimensions are in millimeters (inches).

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 issued _____ Revised (*) _____

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	2-DOOR COUPE PLAIN BACK 1YY07	2-DOOR COUPE CONVERTIBLE 1YY67
Front Compartment			
SgRP front, "X" coordinate	L31	3138.4 (124)	
Effective head room	H61	961.9 (37.8)	955.0 (37.6)
Max. effective leg room (accelerator)	L34	1085.8 (42.7)	
SgRP to heel point	H30	187.2 (7.4)	
SgRP to heel point	L53	900.8 (35.5)	
Back angle (degrees)	L40	24.5	
Hip angle (degrees)	L42	94.7	
Knee angle (degrees)	L44	130.5	
Foot angle (degrees)	L46	87.0	
Design H-point front travel	L17	205.7 (8.1)	
Normal driving & riding seat track trvl.	L23	188.8 (7.4)	
Shoulder room	W3	1405.4 (55.3)	
Hip room	W5	1377.8 (54.2)	
*** Upper body opening to ground	H50	1111.2 (43.7)	
Steering wheel maximum diameter*	W9	383.0 (15)	
Steering wheel angle (degrees)	H18	16.4	
Accel. heel pt. to steer. whl. cntr.	L11	526.9 (22.0)	
Accel. heel pt. to steer. whl. cntr.	H17	580.13 (15.6)	
Undepressed floor covering thickness	H67	16.0 (0.63)	

Front Compartment Interior Dimensions are Measured with the Seating Reference Point (SgRP) _____ mm forward and _____mm Upward of Rearmost Position.

Rear Compartment			
SgRP point couple distance	L50		
Effective head room	H63		
Min. effective leg room	L51		
SgRP (second to heel)	H31		
Knee clearance	L48		
Shoulder room	W4		
Hip room	W6		
*** Upper body opening to ground	H51		
Back angle (degrees)	L41		
Hip angle (degrees)	L43		
Knee angle (degrees)	L45		
Foot angle (degrees)	L47		
Depressed floor covering thickness	H73		

Luggage Compartment			
Usable luggage capacity L (cu. ft.)	V1	Not Applicable	
*** Liftover height	H195	935.2 (36.8)	

Interior Volumes (EPA Classification)		
Vehicle class		Mini-Compact
Interior volume index including trunk/cargo (cu. ft.)**	E1	Not Applicable
Trunk/cargo index (cu. ft.)	V13	Not Applicable

* See page 14.
** See definition page 33.
All linear dimensions are in millimeters (inches) unless otherwise noted.
*** **EPA Loaded Vehicle Weight, Loading Conditions**

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	2-DOOR COUPE PLAIN BACK 1YY07
Station Wagon/MPV* -Third Seat		(NOT APPLICABLE)
Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle (degrees)	L88	
Hip angle (degrees)	L89	
Knee angle (degrees)	L90	
Foot angle (degrees)	L91	

Station Wagon/MPV* - Cargo Space (NOT APPLICABLE)

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Min. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
** Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index m^3 ($ft.^3$)	V2	
Hidden cargo volume index m^3 ($ft.^3$)	V4	
Cargo volume index-rear of 2-seat	V10	
Cargo volume index*	V6	
Cargo width at floor*	W500	
Maximum cargo height*	H505	

Hatchback - Cargo Space

Cargo length at front seatback height	L208	1242.4 (48.9)
Cargo length at floor (front)	L209	1305.5 (51.4)
Cargo length at second seatback height	L210	Not Applicable
Cargo length at floor (second)	L211	Not Applicable
Front seatback to load floor height	H197	471.7 (18.6)
Second seatback to load floor height	H198	Not Applicable
Cargo volume index m^3 ($ft.^3$)	V3	0.701 m^3 (24.75)
Hidden cargo volume index m^3 ($ft.^3$)	V4	Not Applicable
Cargo volume index - rear of 2-seat	V11	Not Applicable

All linear dimensions are in millimeters (inches) unless otherwise noted.
* MPV - Multipurpose Vehicle
** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/ Description	2-DOOR COUPE PLAIN BACK 1YY07

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		X - Fiducial mark to vertical zero grid line - front measured horizontally, from the zero grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. Y - Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt. Z - Fiducial mark to horizontal zero grid line - front, measured vertically from zero grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear		X - Fiducial mark to vertical zero grid line - rear, measured horizontally from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.) Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan - longitudinal.) Z - Fiducial mark to horizontal zero grid line - rear, measured vertically from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.)
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	-555.0 (-21.8)
	L54**	2715.0 (106.8)
	H81**	364.3 (14.3)
***	H161**	181.1 (7.4)
***	H163**	165.7 (6.7)
Rear	W22**	Not Applicable
	L55**	Not Applicable
	H82**	Not Applicable
***	H162**	Not Applicable
***	H164**	Not Applicable

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.
** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.
*** EPA Loaded Vehicle Weight, Loading Conditions
All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (●) _____

	VEHICLE MASS (WEIGHT)					% PASS MASS DISTRIBUTION			
	CURB MASS, kg. (lb.)*			Shipping Mass	ETWC**	Pass in Front		Pass in Rear	
Code Model	Front	Rear	Total	kg (lb)***	Code	Front	Rear	Front	Rear
1YY07	751	721	1472	1435	V	35.0	65.0	-	-
2-Door Coupe Plainback (LS1 & M30)	(1656)	(1590)	(3246)	(3164)					
1YY37	736	703	1439	1403	U	35.0	65.0	-	-
2-Door Coupe Notchback (Hardtop)	(1623)	(1550)	(3173)	(3093)					
(LS1 & M30)									
1YY67	749	724	1473	1436	V	35.0	65.0		
2-Door Coupe Convertible (LS1 & M30)	(1652)	(1596)	(3248)	(3166)					

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
** ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.
Refer to ETWC code legend below for test weight class.

ETWC LEGEND

A	= 1000	I	= 2000	Q	= 3000	Y	= 4000				
B	= 1125	J	= 2125	R	= 3125	Z	= 4250				
C	= 1250	K	= 2250	S	= 3250	AA	= 4500				
D	= 1375	L	= 2375	T	= 3375	BB	= 4750				
E	= 1500	M	= 2500	U	= 3500	CC	= 5000				
F	= 1625	N	= 2625	V	= 3625	DD	= 5250				
G	= 1750	O	= 2750	W	= 3750	EE	= 5500				
H	= 1875	P	= 2875	X	= 3875	FF	= 5750				

*** Shipping Mass (weight) = Curb Weight Less:

37 (82) _____

MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line CORVETTE
Model Year 1999 Issued _____ Revised (•) _____

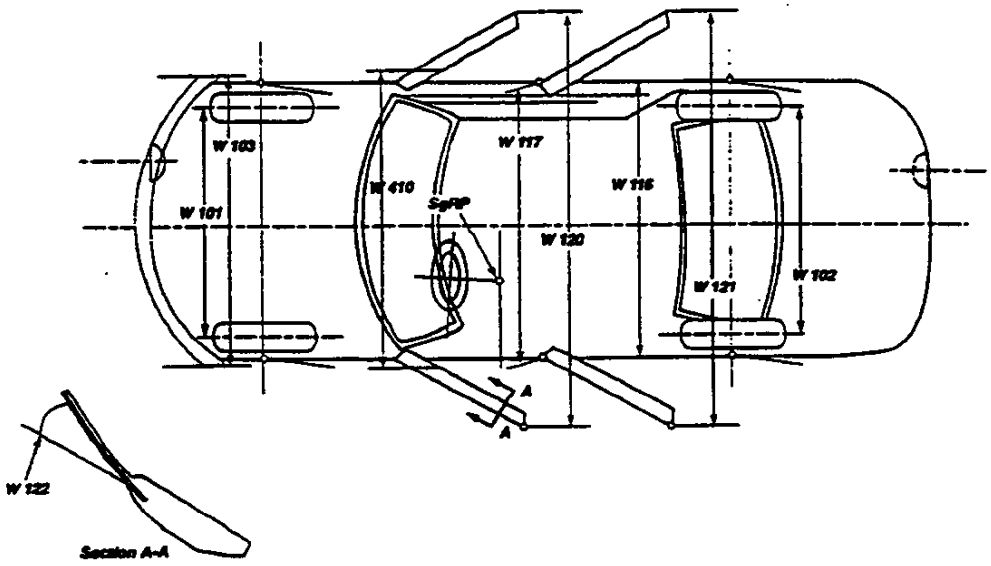
Code	Equipment	Optional Equipment Differential Mass (weight)* MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
AAB	Memory Driver Convenience Pkg.	0.2	0.2	0.4	1YY07, 1YY67
		(0.4)	(0.4)	(0.8)	
AG1	Adjuster Front Seat Power, Multi-Directional,	2.0	3.0	5.0	1YY37
	Driver	(4.4)	(6.6)	(11.0)	
AG2	Adjuster Pass Seat-Power, Multi-Directional	2.0	3.0	5.0	1YY07, 1YY67
		(4.4)	(6.6)	(11.0)	
AQ9	Seat Front Bucket, Passenger, Driver,	0.3	1.4	1.7	1YY07, 1YY67
	Recliner	(0.7)	(3.0)	(3.7)	
AU3	Lock Control Side Door, Electric	0.1	0.0	0.1	1YY37
		(0.2)	(0.0)	(0.2)	
B34	Covering Front Floor Mats	0.8	0.5	1.3	
		(1.8)	(1.1)	(2.9)	
B84	Molding Body Side Exterior	0.4	0.5	0.9	
		(0.9)	(1.1)	(2.0)	
CC3	Roof Hatch, Removable Panels, Plastic	-0.6	-0.6	-1.2	1YY07
		(-1.3)	(-1.3)	(-2.6)	
CJ2	HVAC System Air Conditioner Front, Auto	0.3	0.2	0.5	1YY07, 1YY67
	Temperature Control, Auxiliary Temperature	(0.7)	(0.4)	(1.1)	
	Control				
C2L	Roof Package - Dual Removable	-0.5	9.4	8.9	1YY07
		(-1.1)	(20.7)	(19.6)	
D42	Shade - Rear Compartment	0.0	0.8	0.8	1YY07
		(0.0)	(1.8)	(1.8)	
F45	Chassis Continuously Variable	5.1	6.9	12.0	1YY07, 1YY67
	Real Time Damping	(11.0)	(15.2)	(26.2)	
MM6	Manual Transmission	9.4	-19.9	-10.5	
		(-20.7)	(-43.9)	(-23.2)	
N73	Wheel Custom Sport, Var 4	-1.9	-1.9	-3.8	1YY07, 1YY67
		(-4.2)	(-4.2)	(-8.4)	
TR9	Lamp Group	0.1	0.1	0.2	1YY37
		(0.2)	(0.2)	(0.4)	
T96	Fog Lamps	0.9	-0.2	0.7	
		(2.0)	(-0.5)	(1.5)	
U1S	Player Multiple Compact Disk	0.3	3.5	3.8	
		(0.7)	(7.7)	(8.4)	
Z51	Performance Package Handling	1.5	0.7	2.2	
		(3.3)	(1.6)	(4.9)	

* Also see Engine - General Section for dressed engine mass (weight.)

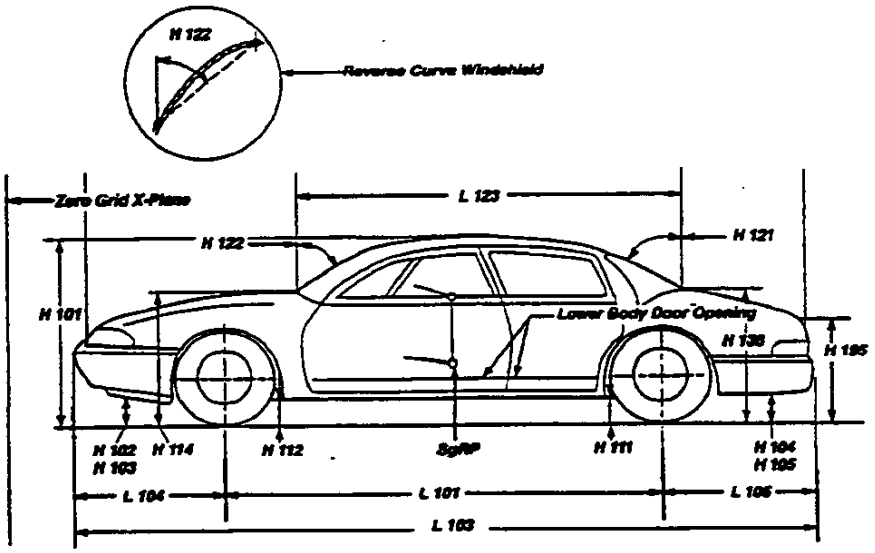
Specifications Form
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions - Key Sheet

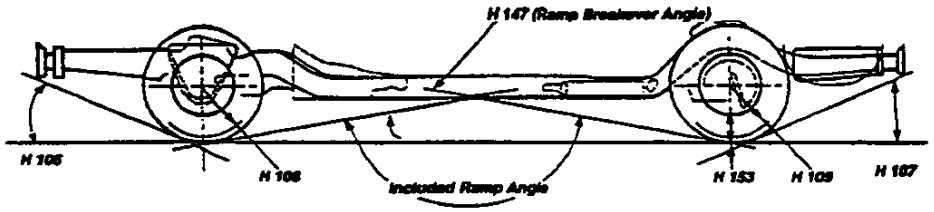
Exterior Width Dimensions



Exterior Length & Height Dimensions



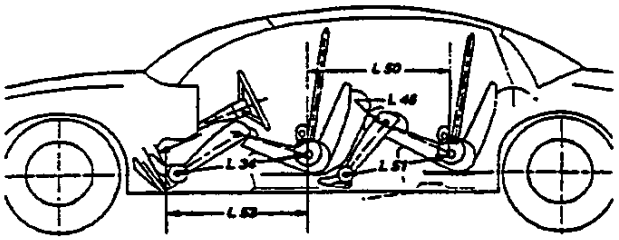
Ground Clearance Dimensions



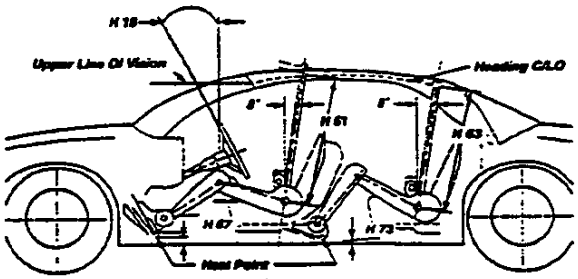
Specifications Form
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

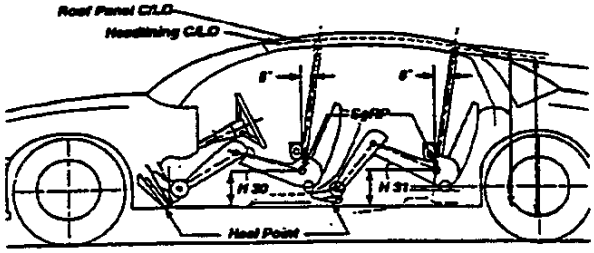
Interior Length Dimensions



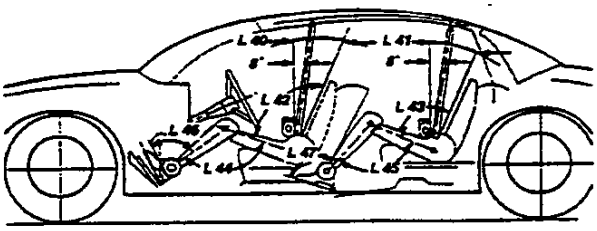
Interior Height Dimensions



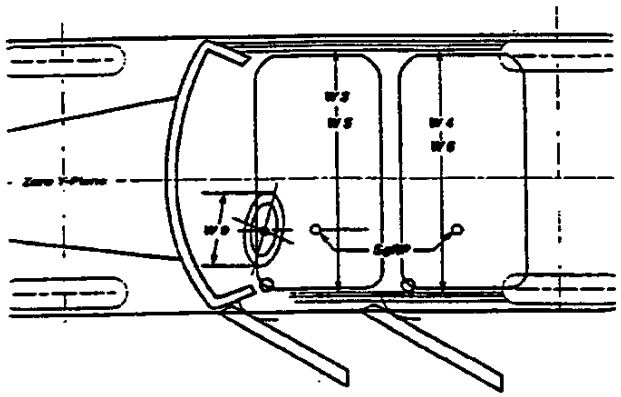
Interior Height Dimensions



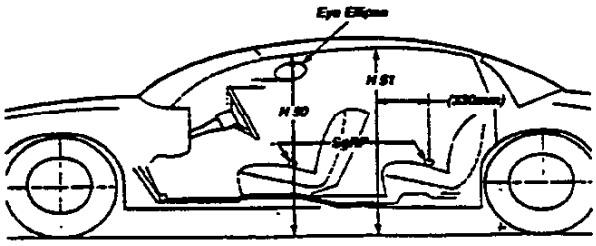
Interior Length Dimensions



Interior Width Dimensions



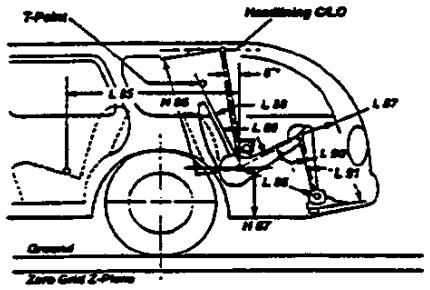
Interior Height Dimensions



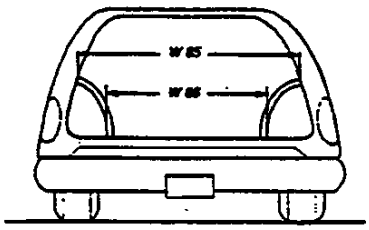
Specifications Form
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

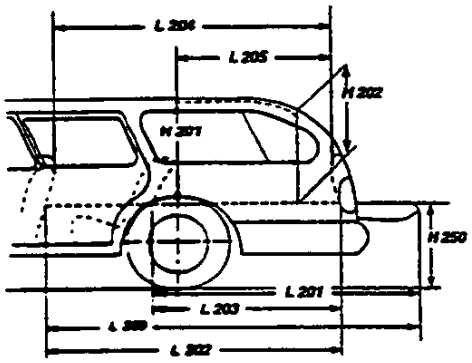
Interior Dimensions, Station Wagon Third Seat



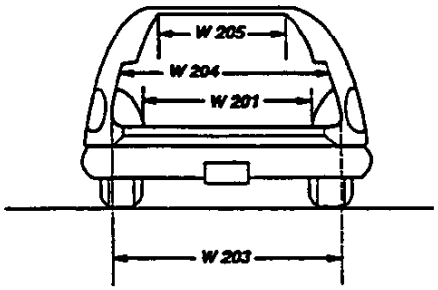
Interior Dimensions



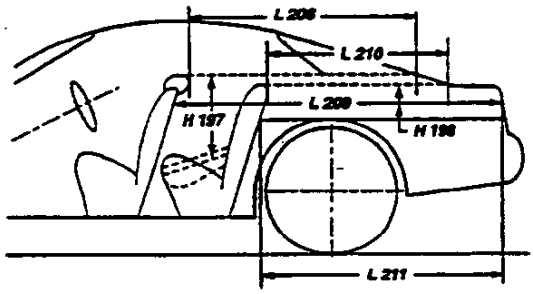
Cargo Space Dimensions



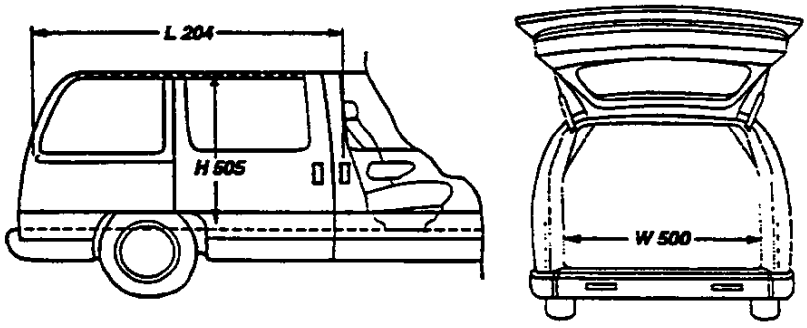
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space



Specifications Form
METRIC (U. S. Customary)

Exterior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which -
(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
(b) Has coordinates established relative to the design vehicle structure;
(c) Simulates the position of the pivot center of the human torso and thigh; and
(d) is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations.".

Width Dimensions

W101 TREAD-FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD-REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP-FRONT. The dimension measured laterally between the widest points on the body at the SGRP-front, excluding door handles, applied moldings, or appliques.

W120 VEHICLE WIDTH-FRONT DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position.

W121 VEHICLE WIDTH-REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE-HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerline. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L104 OVERHANG-FRONT. The dimension measured longitudinally from the centerline of the front wheels to the formeost point on the vehicle including bumper, bumper guards, tow hook and/or rub strips, if standard equipment.

L105 OVERHANG-REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.

L127 REAR WHEEL CENTERLINE "x" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H111 ROCKER PANEL-REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.

H112 ROCKER PANEL-FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to uper DLO.

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn form the lower DLO to the intersecting point on the windshield.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

H109 STATICLOAD-TIRE RADIUS-REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

H103 FRONT BUMPER TO GROUND-CURBMASS(WT.). Measured in the same manner as H102.

H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

H105 REAR BUMPER TO GROUND-CURB MASS(WT.). Measured in the same manner as H104.

H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

H107 ANGLE OF DEPARTURE. The angel measured between a line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.

H147 RAMP BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.

H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.

H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Specifications Form
METRIC (U. S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

Glass Areas

S1 Windshield area.

S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.

S3 Backlight areas.

S4 Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

Fiducial Mark - Number 1

L54 "X" coordinate.

W21 "Y" coordinate.

H81 "Z" coordinate.

H161 Height "Z" coordinate to ground at curb weight.

H163 Height "Z" coordinate to ground.

Fiducial Mark - Number 2

L55 "X" coordinate.

W22 "Y" coordinate.

H82 "Z" coordinate.

H162 Height "Z" coordinate to ground at curb weight.

H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L11 ACCELERATOR WHEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.

L17 DESIGN-H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE J1100)

L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).

L31 SgRP-Front. "X" Coordinated.

L34 MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in.) measured with right foot on the underpressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.

L40 BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

L42 HIP ANGLE-FRONT. The angle measured between torso line and thigh centerline.

L44 KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.

L46 FOOT ANGLE-FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.

L53 SgRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to the accelerator heel point.

W3 SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front at height between the belt line and 254 mm (10.0 in.) above the SgRP-front, excluding the door assist strap and attaching parts.

W5 HIP ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP-front and 76 mm (3.0 in.) fore and aft of the SgRP-front.

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP-front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.

H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

H30 SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP-front to the accelerator heel point.

H50 UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.

H61 EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining plus 102 mm (4.0 in).

H67 FLOOR COVERING THICKNESS - UNDEPRESSED - FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

L41 BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.

L43 HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.

L45 KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.

L47 FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).

L48 KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in).

L50 SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.

L51 MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254 mm (10.0 in).

W4 SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.

W6 HIP ROOM-SECOND. Measured in the same manner as W5.

H31 SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.

H51 UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.

H63 EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).

H73 FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

Specifications Form
METRIC (U. S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY-Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the *procedure described in paragraph 8.2 of SAE-J1100a.*

Interior Volumes (EPA Classification)

The Interior Index is listed for each body style except two seaters. The Interior Volume Index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon/MPV - Third Seat Dimensions

L85 SgRP COUPLE DISTANCE-THIRD. The dimension measured horizontally from the SgRP-second to the SgRP-third.

L86 EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankle pivot center to the SgRP-third plus 254 mm (10.0 in).

L87 KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0in.). With rear-facing third seat, dimension is measured to closure.

L88 BACK ANGLE-THIRD. Measured in the same manner as L41.

L89 HIP ANGLE-THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE-THIRD. Measured in the same manner as L45.

L91 FOOT ANGLE-THIRD. Measured in the same manner as L47.

W85 SHOULDER ROOM-THIRD. Measured in the same manner as W4.

W86 HIP ROOM-THIRD. Measured in the same manner as W5.

H86 EFFECTIVE HEAD ROOM-THIRD. The dimension, measured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

H87 SgRP-THIRD TO HEEL POINT

SD1 SEAT FACING DIRECTION-THIRD.

Station Wagon/MPV - Cargo Space Dimensions

L200 CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate at the zero "Y" plane.

L201 CARGO LENGTH-OPEN-SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L202 CARGO LENGTH-CLOSED-FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L203 CARGO LENGTH-CLOSED-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the *second seatback top to the foremost normal surface of the* closed tailgate at the height of the belt, on the zero "Y" plane.

W201 CARGO WIDTH-WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure to the sheet metal.

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.

H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND CURB MASS (WT.) The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

Specifications Form
METRIC (U. S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

V2 STATION WAGON
Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = ft^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = m^3 (cubicmeter)$$

V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.
Measured in inches:

$$\frac{L506 \times W505 \times H503}{1728} = ft^3$$

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = m^3 (cubicmeter)$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.
Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} = ft^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = m^3 (cubicmeter)$$

V8 HIDDEN LUGGAGE CAPACITY-REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.

V10 STATION WAGON CARGO VOLUME INDEX.
Measured in inches:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = ft^3$$

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = m^3 (cubicmeter)$$

Hatchback - Cargo Space Dimensions

All Hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electronically adjusted seats, see the manufacturer's specifications for Design "H" Point).

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. Th minimum horizontal dimension from the "X" plane tangen to the rearmost surface of the driver's seatback to th inside limiting interference of the hatchback door on th vehicle zero "Y" plane.

L209 CARGO LENGTH AT FLOOR-FRONT. The minimum horizontal dimension measured at floor level from the rea of the front seatback to the normal limiting interference o the hatchback door on the vehicle zero "Y" plane.

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT. The minimum dimension measured from the "X" plane tangen to the rearmost surface of second seatback or the load floo which is towed at least one half of the H198 dimensior height above the rear load floor, to the rearmost inside limiting interference on the zero "X" plane.

L211 CARGO LENGTH AT FLOOR-SECOND SEATBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimensior measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undepressed floor covering.

V3 HATCHBACK.
Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = ft^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = m^3 (cubicmeter)$$

V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{1728} = ft^3$$

Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = m^3 (cubicmeter)$$

Specifications Form
METRIC (U. S. Customary)

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