

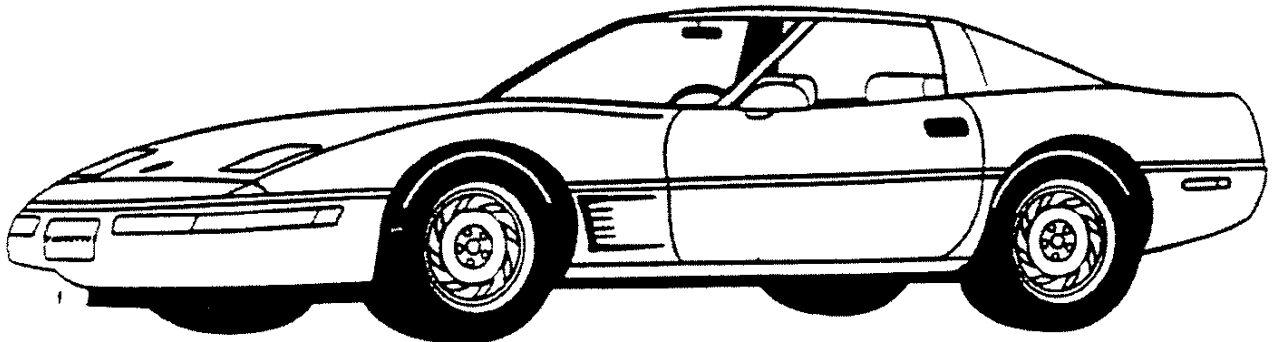




1996

CORVETTE

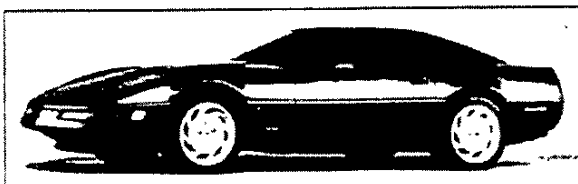
SPECIFICATIONS



GENUINE CHEVROLET

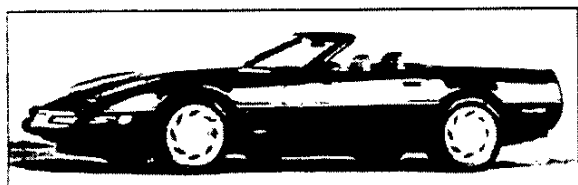
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1996 Corvette Lineup



CORVETTE COUPE

Corvette Coupe is powered by a standard 5.7 Liter LT1 V8, or an optional LT4 V8, both with Sequential Fuel Injection. Buyers can choose either a 4-speed electronically controlled automatic transmission (LT1 only) or a 6-speed manual transmission (LT4 only). Key standard features include Acceleration Slip Regulation (ASR), a 4-wheel anti-lock brake system, driver and front-passenger air bags, leather seats, Goodyear Eagle GS-C asymmetrical tires and air conditioning with R-134a refrigerant.



CORVETTE CONVERTIBLE

In addition to the features described on Corvette Coupe, Corvette Convertible also includes a manually operated fold-down top with integral headliner and a glass rear window with defogger.

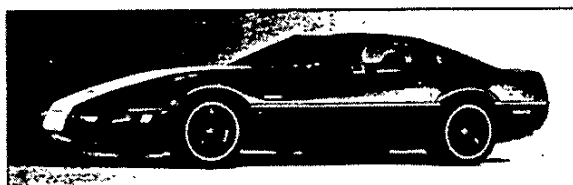


COLLECTOR EDITION (Z15)

New Collector Edition celebrates the final year of production for the fourth-generation Corvette. This collectible Corvette has the following features (Coupe requires 1SB PEG; Convertible requires 1SD PEG):

- Exclusive Sebring Silver exterior color
- Available in Coupe or Convertible (Convertible with black top only)
- Chromed "Collector Edition" emblem on wheels, front fenders, hood and fuel-filler door

- Available with standard 300-horsepower LT1 (with automatic transmission only) or optional 330-horsepower LT4 (with 6-speed manual transmission only)
- Black brake calipers with raised bright aluminum "Corvette" lettering
- Aluminum five-spoke 17"-diameter wheels, painted silver
- P255/45ZR-17 front and P285/40ZR-17 rear tires
- Perforated leather Sport seats with "Collector Edition" embroidery
- Torch Red, Black or Gray interior.



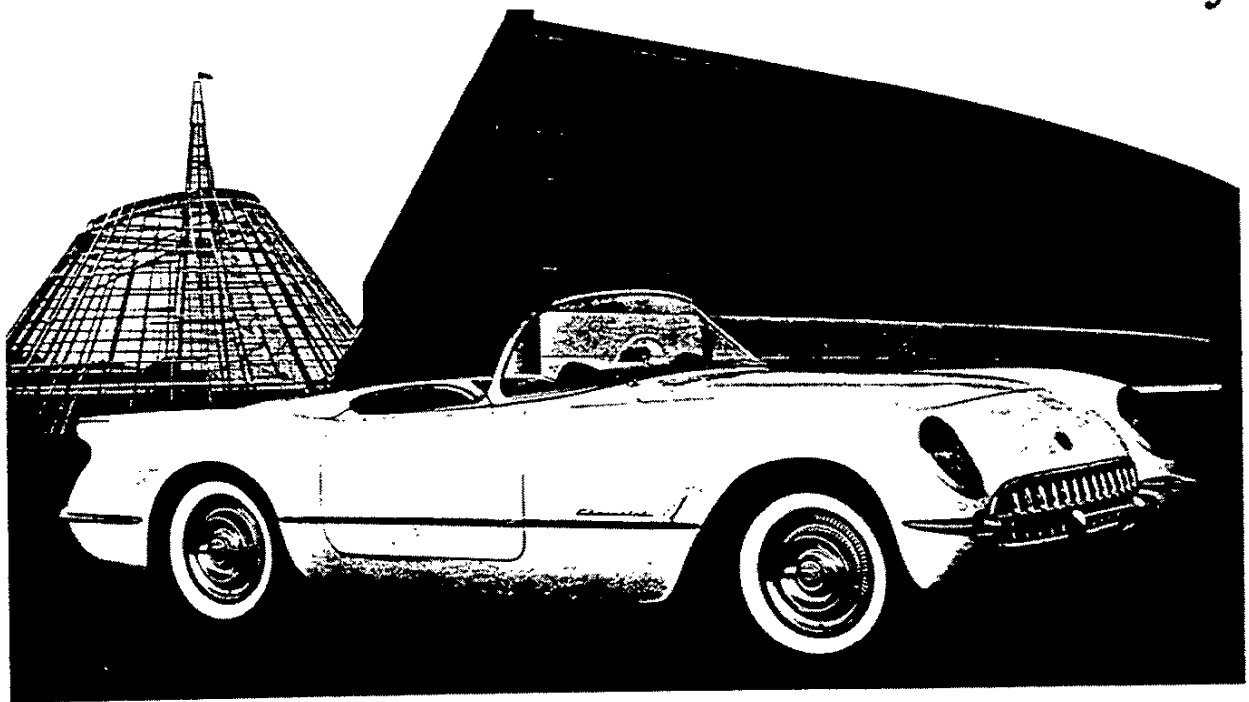
GRAND SPORT (Z16)

Evokes the heritage of the legendary Corvette road racers of the '60s while delivering the advanced technology of the '90s. With a limited production run, Corvette Grand Sport includes the following (Coupe requires 1SB PEG; Convertible requires 1SD PEG):

- Required 330-horsepower LT4 engine and 6-speed manual transmission
- Available in Coupe or Convertible (Convertible with white top only)
- Exclusive Admiral Blue Metallic exterior color with center white stripe and red "hash marks" (reminiscent of hash marks used to identify original Grand Sport road racers) on left front fender
- Chromed "Grand Sport" emblem on front fender sides
- Rear-wheel flares (Coupe only)
- Black brake calipers with raised bright aluminum "Corvette" lettering
- Aluminum five-spoke 17"-diameter black wheels
- Coupe: P275/40ZR-17 (front) and P315/35ZR-17 (rear) tires
- Convertible: P255/45ZR-17 (front) and P285/40ZR-17 (rear) tires
- Perforated leather Sport seats with Grand Sport embroidery
- Black or Red/Black interior colors
- Unique serial number.

Corvette Heritage

*A Rich
and Proud
History*

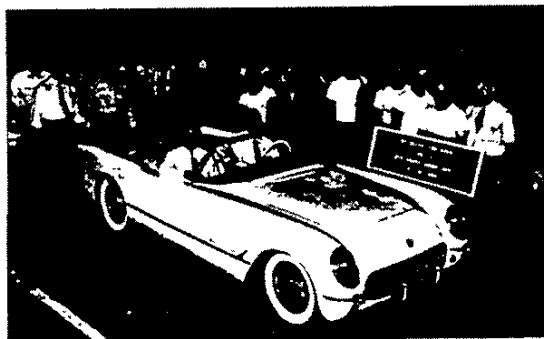


*Only 300 Corvettes were built during the 1953 model year,
but it signaled a new era in automotive history.*

Corvette Heritage (contd.)

The 1950s

Corvette debuted in January of 1953 as a show car in the GM Motorama. It was a stylish two-seat convertible, designed to show the world that GM could create a sports car to compete with European nameplates like Jaguar and MG.



All 1953 Corvettes were Polo White with red interiors.

The response to the Motorama show car was overwhelmingly positive, and production began that June in Flint, Michigan. It would change the landscape of the American road forever.

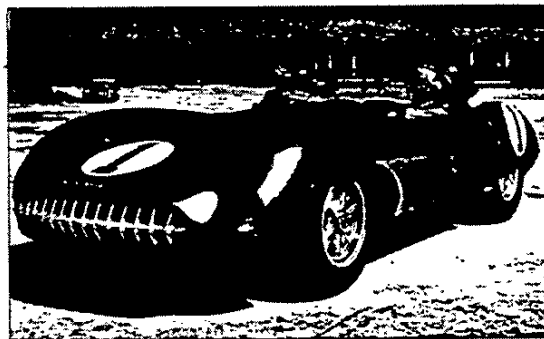
THE EARLY YEARS

The 1953 Corvettes were built by hand and appeared nearly identical to the Motorama car. They were powered by the existing Chevrolet 235-cu.-in. 6-cylinder engine that was modified with a three-carburetor design and dual exhaust to give it more sports car-like performance. Named the Blue Flame Special, this engine generated 150 horsepower, and was teamed with a 2-speed Powerglide automatic transmission. This powertrain, however, did not live up to the performance expectations of sports car buyers. Although sales climbed to 3,640 units in 1954, they fell off dramatically to just 706 in 1955 — setting off rumors that Corvette might be a short-lived automotive experiment. But Zora Arkus-Duntov had different ideas.

THE DUNTOV TOUCH

Arkus-Duntov, an engineer on the Corvette team since 1953 and a former European road racer, set out to give Corvette the two things it needed most — better performance and better handling. Corvette's evolution into a true sports car began in 1955 when a 265-cu.-in. V8 that generated 195 horsepower was offered; and by the end of the model year, a 3-speed manual transmission was also available.

In 1955, driving a prototype V8-powered Corvette, Zora Arkus-Duntov set a new record in the Daytona "Measured Mile" at just over 150 miles per hour.



1957 Corvette S.S. at Sebring 12 hour race. Z.A. Duntov in the cockpit.

1956

Corvette received its first major styling update in 1956. Changes included an all-new body with "scooped out" sides, outside door handles, roll-up windows and an optional removable hardtop.

1957

Corvette got a performance boost to go along with its styling in 1957. The 283-cu.-in. V8 was modified with fuel injection to produce an unprecedented 283 horsepower, and a new 4-speed manual transmission was offered as a \$188 option — making Corvette one of the first cars in the world to mate a fuel-injected engine with a 4-speed manual gearbox.

1958

Corvette lit up the streets in 1958 in more ways than one. The fuel-injected 283-cu.-in. V8 was now producing up to 290 horsepower, and Corvette's new body design featured four headlights.

Corvette Heritage (contd.)

The 1960s

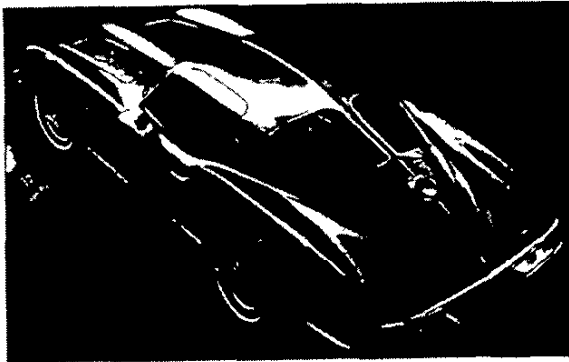
GAINING MOMENTUM

In 1960, Corvette production topped the 10,000 mark for the first time. It was now carving out a solid niche in the market and becoming a part of American culture.

In each year between 1960 and 1962, performance and styling enhancements made it more and more appealing to a wide variety of buyers. 1961 was the first year for Corvette trademark quad taillights. In 1962, engine displacement was increased to 327 cu. in. and top horsepower was up to 360. But the most exciting changes were still a year away.

1963

In 1963, Chevrolet unveiled its all-new Corvette Coupe and Convertible models — the Sting Rays. This was the first time Corvette was available as a hardtop coupe model as well as the traditional convertible. Both cars featured an all-new body design that was significantly trimmer and more stylish than the previous generation. It was also the first year for concealed headlamps. The chassis was all new as well, and included an independent rear suspension.



The 1963 Sting Ray Coupe featured a split rear-window design, but it was replaced with a single-piece rear window in 1964 because owners complained about visibility. Today, a 1963 split-window Coupe is a cherished prize among collectors.

The Sting Rays were the automotive success story of the year. Chevrolet had to add a second shift to its St. Louis, MO assembly plant to keep up with demand, and dealers reported owners waiting months for their cars to be built. By the end of the model year, Corvette production would surpass the 20,000-unit milestone.

1963 also marked the first appearance of the legendary Grand Sport road racers. Based on the Sting Ray, the Grand Sport, with its unique blue-with-white-stripe paint scheme, made its racing debut with the Mecom Racing Team at Nassau. Only five of these racers were built, with color-coded hashmarks used for identification.

1965

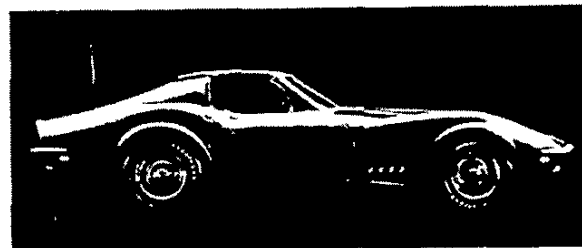
The Sting Rays continued the Corvette evolution through the mid-1960s. In 1965, the 396-cu.-in. "Big Block" V8 was available in Corvette. It was rated at 425 horsepower. Four-wheel-disc brakes were also made standard, although buyers could choose drum brakes as a cost-delete option while supplies of parts lasted.

1967

In 1967, the limited-production L88 Corvette was officially rated at 430 horsepower, although some Corvette historians believe that figure was artificially low. Only 20 of the L88 Corvettes were built.

1968

The all-new 1968 Corvette was dramatically different in appearance from any other Corvette. Bearing a striking resemblance to Chevrolet's "Mako Shark II" concept vehicle, it literally changed the way people looked at cars. Along with its bold new look, the 1968 Corvettes introduced hidden windshield wipers and removable T-Tops on Coupe models. In 1968, Corvette production hit a new record of 28,566.



Corvette received its most radical styling change in 1968, and this basic body design would continue to evolve for 15 years.

Corvette Heritage (contd.)

The 1970s

A TIME OF CHANGE

The 1970s were a time of great change for Corvette. While a late production start for the 1970 model year prevented the first cars from rolling off the assembly line until January, sales rebounded in 1971 and continued to climb. But at the same time, outside forces, such as the oil embargo and increasing government regulations, were having an impact on Corvette performance.

1970

The original high-performance LT1 engine, a 350-cu.-in. "Small Block," was introduced in 1970. It generated 370 horsepower. That year, the "Big Block" displacement was increased to 454 cu. in., and was rated at 390 horsepower in the LS5 version.

1971

In 1971, a special-purpose "Big Block" V8 was available that produced 425 horsepower. But 1971 was the last year for "gross" horsepower ratings. The industry changed to a "net" rating system that accounted for the exhaust system, vehicle accessories and other components. It provided a truer measure of an engine's performance and is still used today.

1975

The Convertible model was dropped at the end of the 1975 model year. The next Corvette Convertible would not be available until 1986.

1977

In 1977, Corvette hit the 1/2-million milestone as the 500,000th car rolled off the assembly line. Leather seats were standard for the first time, although buyers could choose cloth as a no-cost option. Production reached 49,213 units.

1978

Corvette celebrated its 25th anniversary in 1978 and, in recognition of this event, was selected to be the Official Pace Car of the Indianapolis 500. Two special models were produced for public sale — a Pace Car appearance edition and a special Silver Anniversary paint package.

1979

In 1979, Corvette production hit 53,807 units — a record that still stands today.



Corvette celebrated its 25th anniversary and was selected to be the Official Pace Car of the 1978 Indianapolis 500.

Corvette Heritage (contd.)

The 1980s

ANTICIPATION

Sales of Corvette remained strong in the early '80s. It was clearly now a part of the American fabric, attracting buyers with its rich heritage and dramatic styling.

1983

There were no 1983 Corvettes produced for public sale, but 43 pilot models of the new-generation Corvette were built in 1983 for testing purposes. Today, one of those 1983 pilots is on display at the Corvette Assembly Plant in Bowling Green, Kentucky. The rest were scrapped.

1984

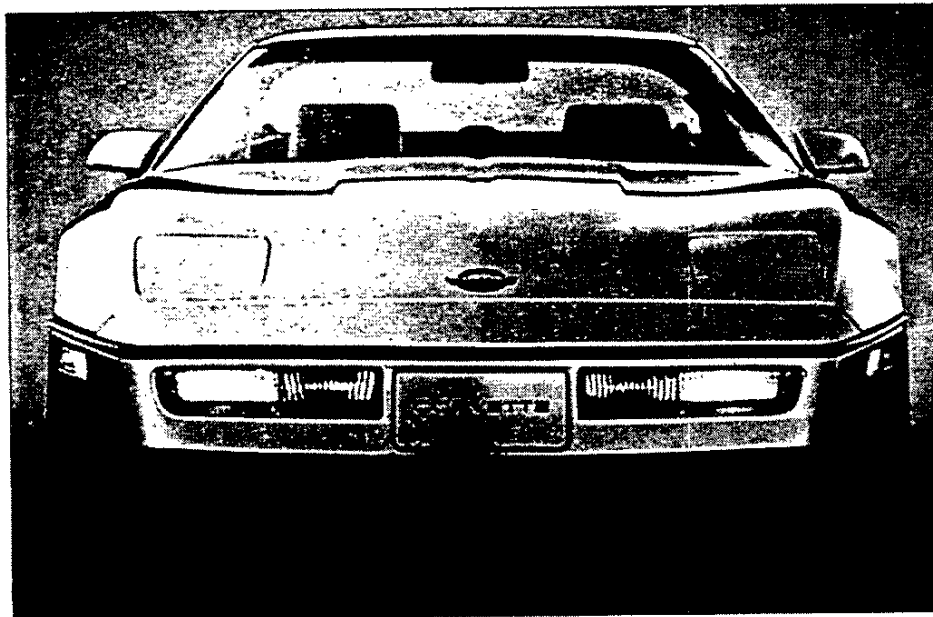
Chevrolet introduced the first all-new Corvette since 1968. It featured an all-new body design, a double-wishbone front suspension and five-link independent rear suspension teamed with Goodyear Gatorback unidirectional tires. Inside, the cockpit surrounded the driver and featured advanced electronic instrumentation.

1986

For 1986, the Corvette Convertible was back! To celebrate the convertible's return, Corvette again paced the Indy 500® and all convertibles were designated Pace Car replicas. The evolution of Corvette as a world-class performance car also continued with the addition of new standard 4-wheel ABS, an increase in maximum horsepower to 230 from its 5.7 Liter V8 and continued suspension fine-tuning. The PASS-Key® theft-deterrent system was also added as standard equipment on all models.

1989

Corvette handling made great strides in 1989 with the Performance Handling Package becoming standard equipment, along with new standard 17-inch wheels and tires. The Selective Ride Control adjustable suspension system was also introduced — allowing drivers to choose between three different operating modes: "Touring," "Sport" and "Performance." A new 6-speed manual transmission was also offered, giving drivers added ability to maximize the Corvette power range.



The introduction of the 1984 Corvette was one of the most eagerly awaited vehicle announcements in recent history. It was named Motor Trend's "Car of The Year."

Corvette Heritage (contd.)

The 1990s

1990

ZR-1 roared to life in 1990 with an all-new 375-horsepower LT5 engine under its hood. Designed in a cooperative effort between General Motors and Lotus, the LT5's dual overhead cam, 32-valve design made Corvette the talk of the automotive world. To help distinguish the appearance of the ZR-1 from standard Corvette Coupes, it was given an all-new convex rear fascia and quad rectangular taillights. All Corvettes received a new cockpit design that included digital readouts and analog gauges, as well as a driver air bag. The maximum horsepower of the standard L98 engine was increased to 250.

1991

Corvette received styling refinements for 1991 that included wraparound front parking/cornering lamps, new side-panel louvers and a ZR-1 style convex rear fascia on all models. To help differentiate the look of the ZR-1, its center high-mounted stop lamp remained on the roof, while it was integrated into the rear fascia on both Coupe and Convertible.

1992

Corvette performance continued to grow in 1992 with the introduction of the second-generation LT1 — putting a 300-horsepower engine back in the standard Corvette. The engine was designated LT1 because it was the first Chevy "Small Block" to surpass the horsepower of the original LT1 in 1970. The Acceleration Slip Regulation (ASR) system and

Goodyear GS-C asymmetrical tires were also introduced as standard equipment. ZR-1 received a ZR-1 badge on the sides of its clam shell hood. The one-millionth Corvette was built on July 2, 1992 in Bowling Green, Kentucky.

1993

For 1993, LT5 output was boosted to 405 horsepower, and a special 40th Anniversary Package was available on all models. Passive Keyless Entry (PKE) was also added as standard equipment.

1994

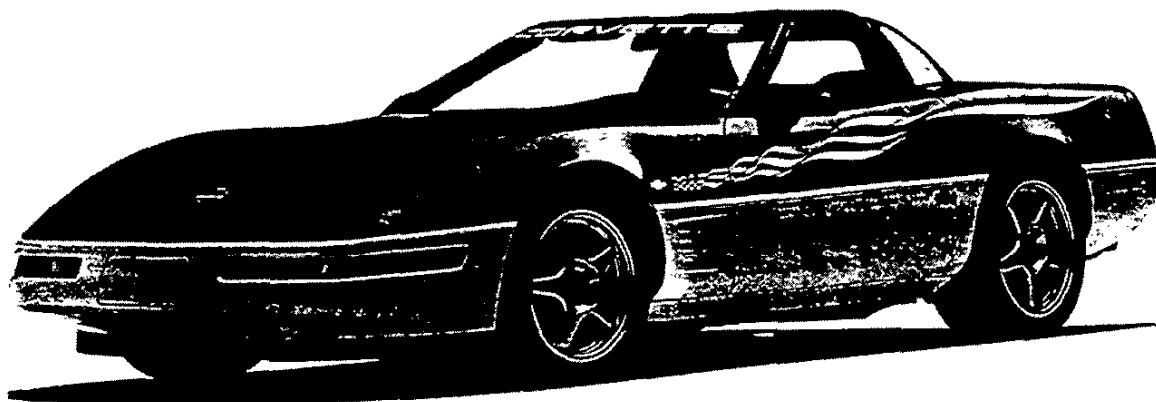
The cockpit of Corvette was transformed for 1994 with a new single-piece instrument panel, a front-passenger air bag, and new door panels. Both the standard and Sport seats were also restyled, and leather seats became standard equipment.

1995

The most noticeable change on the 1995 Corvette was the revised gill panel design. This also marked the last year for the ZR-1. Corvette served as the Official 1995 Indianapolis 500 Pace Car.

1996

Two distinctive Corvettes are part of the 1996 lineup: the Grand Sport and Collector Edition. Both celebrate the rich heritage of the Corvette, and mark the end of the current style. The new optional LT4 V8 engine is introduced (requires manual transmission).



1995 Indianapolis 500 Pace Car.

Corvette Heritage (contd.)

Motorsports

EARLY SUCCESS

Over the years, racing has helped in the development of Corvette — giving engineers the ability to test designs and components under the most extreme conditions.

Corvette involvement in motorsports goes back almost as far as the car itself. After Zora Arkus-Duntov's record run in the 1955 Daytona "Measured Mile," Corvette was off to the races. The 12-hour endurance race at Sebring in 1956 was one of the first tests for Corvette against international competition. On that day, a production Corvette finished first in class and 12th overall — an impressive showing versus its seasoned competitors. In the years that followed, Corvette enjoyed tremendous success in the Sports Car Club of America's production car classes ... winning titles every year from 1956 through 1962.

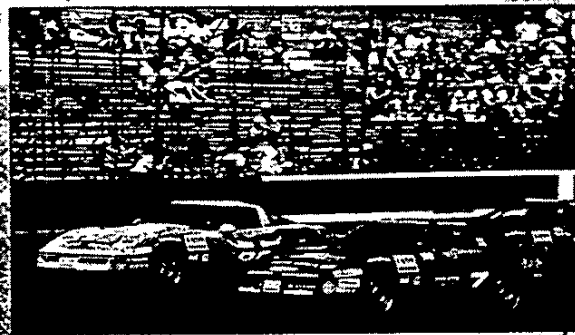
Highlights of the early racing success of Corvette also include:

- 1960: Won class at 12 Hours of Sebring. Eighth overall at 24 Hours of LeMans.
- 1961: Won class at Pikes Peak Hill Climb.
- 1968: Won GT Class at 12 Hours of Sebring and Daytona Continental.

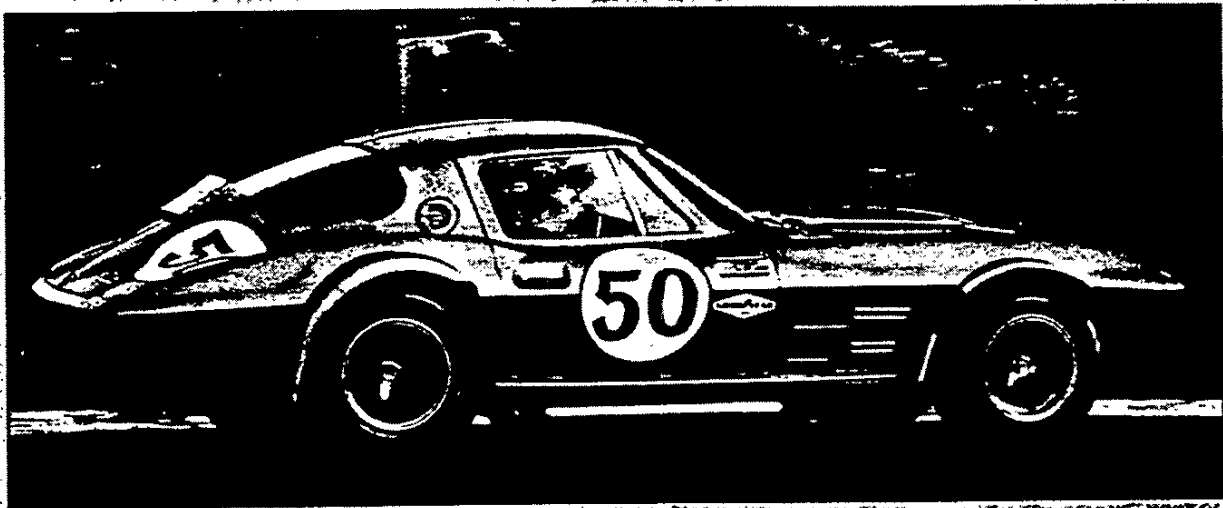
Corvette also grabbed Sports Car Club of America (SCCA) titles in 1970, 1972, 1975 and 1979. But its biggest successes on the track have come recently.

CORVETTE CHALLENGE

In 1987, after winning every race in the SCCA's Escort Endurance Series for three years running, Corvette was banned from future competition in the series. So, for the next two years, identically prepared Corvettes faced off against each other in the special SCCA Corvette Challenge Series, resulting in some of the closest and most exciting production car racing ever.



In 1987 and 1988, identically prepared Corvettes faced off in the SCCA's Corvette Challenge Series.



Through the years, Corvette has been as at home on the racetrack as it is on the street.

Corvette Heritage (contd.)

WORLD CHALLENGE CHAMPION

In 1990, Corvette was invited back to compete in the SCCA Escort World Challenge. The competition didn't fare any better. Corvette grabbed the World Challenge titles for 1990, 1991 and 1992.

CORVETTE RACING TODAY

Today, Corvette remains a dominant force on race tracks across the country and around the world.

In 1993, ZR-1 finished first and second among the FIA GT prepared cars in the GT Invitational class in the Sebring 12-hour race. ZR-1 also won the North American GT Endurance Cup Championship Class at Watkins Glen. In 1994, Corvette won the GT 2 category in the BPR GT Endurance Series races at Vallelunga, Italy and Spa, Belgium.



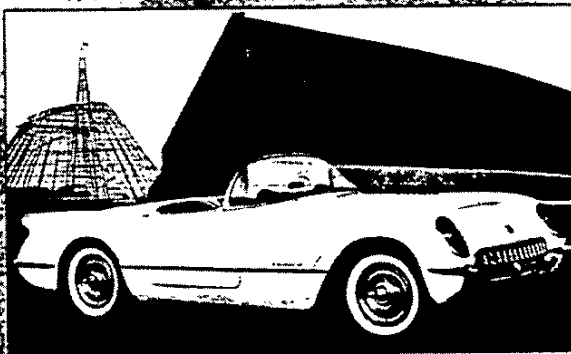
Today, Corvette competes in a variety of races, including SCCA and IMSA events.

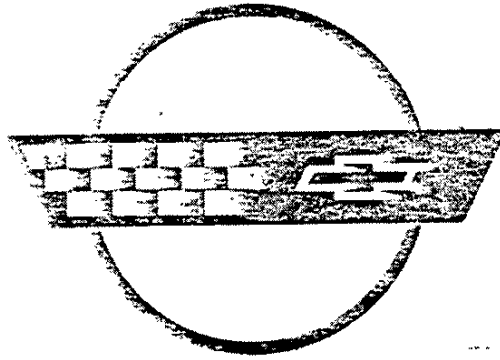
Corvette Museum

TRIBUTE TO AN AMERICAN LEGEND

Bowling Green, Kentucky, home of the Corvette manufacturing plant, is also home to the National Corvette Museum. Designed as a "shrine" to this sports car legend, the museum has numerous exhibits, including 52 past, present and future Corvettes.

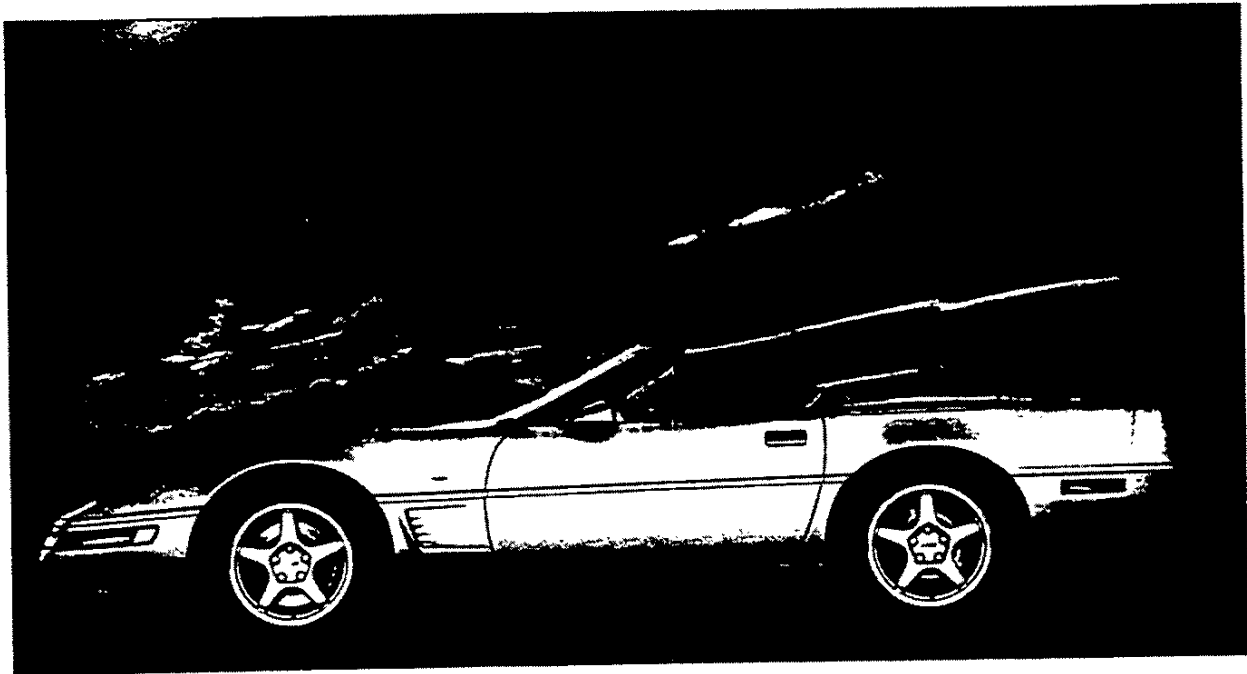
For more information on the National Corvette Museum, please call (502) 781-7973.





Corvette Rules The Road In The High-Sport Segment

Corvette competes in the high-sport market, a segment of the industry that traditionally accounts for just one percent of new-car sales in the United States each year. Recently, several new competitors entered this relatively small segment, making competition for buyers even more fierce. But even in the face of new competition, Corvette dominates the high-sport market. In 1994, it captured a 35 percent share of the segment.



Corvette Marketing Profiles (contd.)

Marketing

HIGH-SPORT SEGMENT

Although it's just a small piece of the automotive market, more and more manufacturers are entering the high-sport segment. More recent entries like Dodge Viper, as well as new versions of familiar nameplates like Mazda RX-7 and Toyota Supra, are all competing for a piece of the action.

In addition to the increased number of vehicles, there's also been a market trend of higher prices. Take, for example, the traditional Corvette nemesis, Porsche:

- Between 1986 and 1991, the base price of a naturally aspirated Porsche 944 went from \$22,950 to \$43,350.
- For 1995, the base price of a Porsche 968 was \$39,950, while a Porsche 928 was \$82,260.

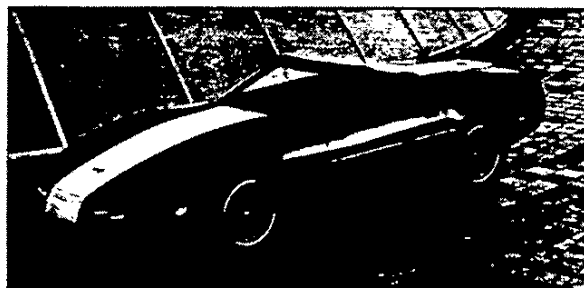
The prices of Japanese sports cars have also risen dramatically. In fact, many of these models used to compete with cars like Camaro. But the increased performance and prices of the newer models have put them in the same class as Corvette. For example:

- A 1988 Mazda RX-7 had a base price of \$15,480. Today's RX-7 starts at \$37,500.
- A standard non-Turbo Nissan 300ZX is \$35,419, while the Turbo starts at \$41,959.
- And Toyota Supra rings in with a base MSRP of \$37,600.

HIGH-SPORT SEGMENT OVERVIEW

	Actual		Forecast	
	1993	1994	1995	1996
	(000s)	(000s)	(000s)	(000s)
Total Industry	8798	8624	8600	8634
High-Sport Segment	63	68	50	55
Corvette	21	22	19*	21
Corvette % of Segment	34%	36%	38%	32%

*Limited production due to a two-month shut-down to install a new paint shop.

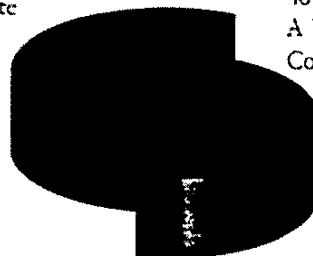


CORVETTE STRENGTHS

Despite the proliferation of many newly restyled competitors, Corvette has maintained a solid position in the market segment.

- Classic styling, character and personality. Few cars on the road are as recognizable as Corvette to all sorts of people — not just sports car enthusiasts.
- More than 40 years of delivering world-class performance and handling. The Corvette performance heritage runs deep. People know what to expect from America's first true sports car.
- Long list of motorsports and performance accomplishments:
 - SCCA World Challenge championships
 - 24-hour speed and durability records at Fort Stockton, Texas test facility.
- Outstanding owner loyalty — 46 percent of new Corvette buyers trade in a used Corvette.

Corvette Buyers



46% Trade In A Used Corvette

46 percent of all new Corvette buyers trade in a used Corvette.

Corvette Marketing Profiles (contd.)

MARKETING CHALLENGES

Corvette must maintain market position against an influx of competitors.

- Must emphasize classic Corvette design and heritage versus stylish competitive models such as Toyota Supra.
- Emphasize the Corvette commitment to continuous improvement, especially in the area of squeak-and-rattle minimization.
- Sell benefits of Corvette high-torque V8 power versus 6-cylinder, turbo and rotary engines.

1996 CORVETTE SALES FORECASTS

Model	% of Car Line	Sales Forecast
Coupe	76%	16,000
Convertible	24%	5000

1996 POWERTRAIN LINEUP FORECAST

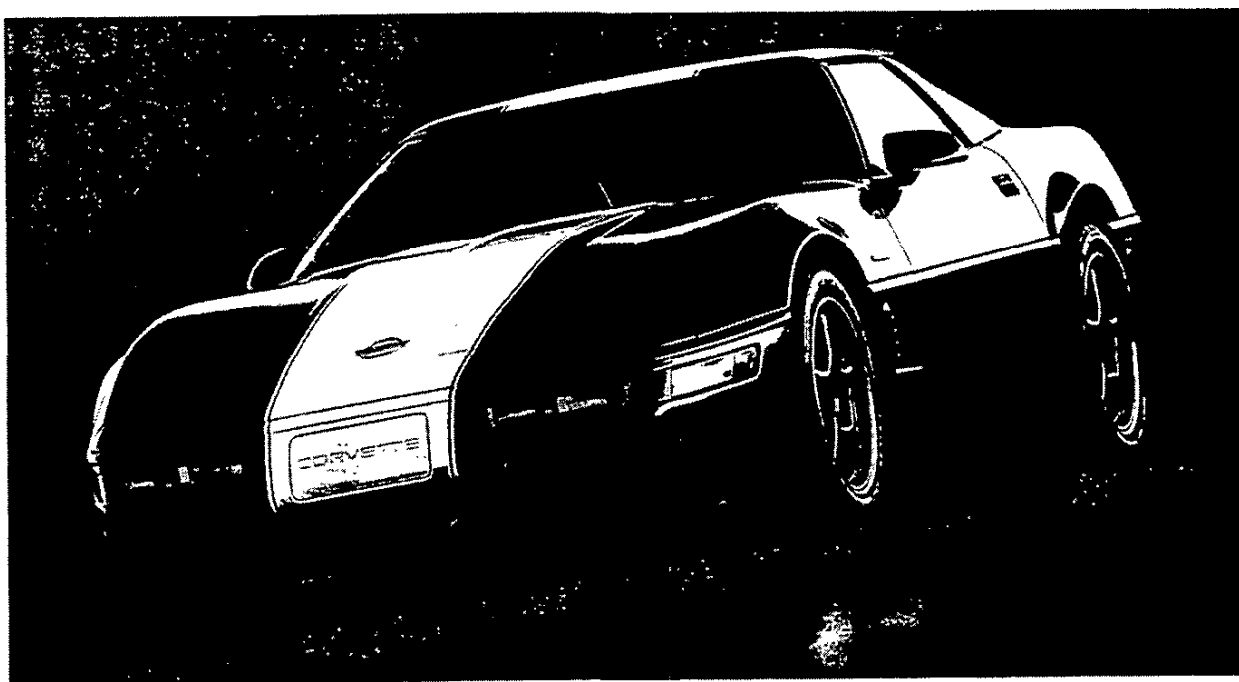
Corvette	
LT1 + Automatic w/o G92*	20%
LT1 + Automatic w/G92*	50%
LT4 + Manual	30%

*Performance axle.

CORVETTE OPPORTUNITIES

The classic styling of Corvette must be distinguished from the more radical, trendy styling of many competitors.

- Focus on the innovative performance technology of Corvette, including LT1 and LT4 V8 engines, Acceleration Slip Regulation (ASR), new optional Z51 Performance Handling Package, new optional Selective Real Time Damping and Goodyear GS-C tires.
- Capitalize on the availability of Goodyear Extended Mobility Tires (EMT) and spare tire delete option.
- Sell the Corvette heritage. Newcomers can't match its position as America's dream car. Grand Sport and Collector Edition are tributes to this rich heritage.



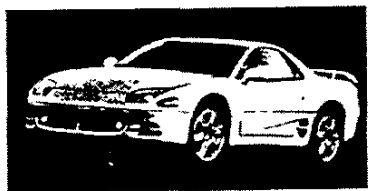
Corvette Grand Sport.

Corvette Marketing Profiles (contd.)

Competitive Comparisons

	Corvette Coupe	Mitsubishi 3000GT VR-4	Dodge Viper RT/10	Mazda RX-7	Nissan 300ZX Turbo	Porsche 968	Toyota Supra Turbo
EXTERIOR DIMENSIONS							
WHEELBASE (in.)	96.2	97.2	96.2	95.5	96.5	94.5	100.4
LENGTH (in.)	178.5	179.7	175.1	168.5	169.5	170.9	177.7
WIDTH (in.)	70.7	72.4	73.7	68.9	70.5	68.3	71.3
TREAD, FRONT (in.)	57.7	61.4	59.6	57.5	58.9	58.2	59.9
TREAD, REAR (in.)	59.1	62.2	60.6	57.5	61.2	57.1	60.1
ENGINE POWERTRAIN TYPE							
DISPLACEMENT	V8	V6	V10	RTRV	V6	I4	I6
BORE & STROKE (in.)	4.00 x 3.48	3.59 x 2.99	4.00 x 3.88	NA	3.50 x 3.78	4.09 x 3.46	3.39 x 3.39
FUEL DELIVERY	SFI	MFI	MFI	MFI	SFI	EFI	EFI
COMPRESSION RATIO (1:1)	10.4	8.0	9.1	9.0	8.5	11.0	8.5
NET HORSEPOWER @ RPM	300 @ 5000	320 @ 6000	420 @ 4600	255 @ 6500	300 @ 6400	236 @ 6200	320 @ 5600
NET TORQUE @ RPM	335 @ 4000	315 @ 2500	480 @ 3600	217 @ 5000	283 @ 3600	225 @ 4100	315 @ 4000
FUEL CAPACITY (gal.)	20	19.8	19	20.0	18.7	19.6	18.5
TRANSMISSION (standard)	4AOD	6MOD	6MOD	5MOD	5MOD	6MOD	6MOD
AXLE RATIO (standard)	2.59	2.88	3.07	4.10	3.39	3.78	3.28
DRIVE SYSTEM	RWD	AWD	RWD	RWD	RWD	RWD	RWD
PERFORMANCE							
0-60 mph (seconds)	5.4	5.5	4.5	5.3	5.6	5.9	5.2
1-4 MILE (seconds)	14.0	14.0	13.2	14.1	14.2	14.6	13.8
BRAKING 70-0 mph (ft.)	176	156	129	161	175	167	160
LATERAL ACCELERATION (g)	0.89	0.99	1.00	1.00	0.89	0.91	0.95

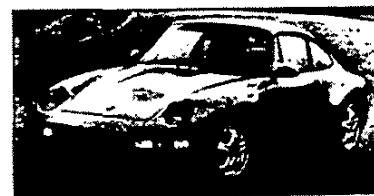
Corvette figures based on standard LTI engine (1995 performance data). The competition's figures shown above are based on 1995 data, and were gathered from various periodicals. Use the above data as a guide; actual numbers may vary. Testing conducted on closed tracks with professional drivers. Do not attempt to duplicate.



MITSUBISHI 3000GT VR-4



MAZDA RX-7



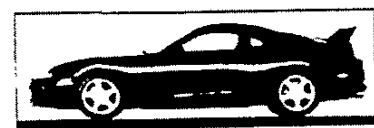
PORSCHE 968



DODGE VIPER RT/10



NISSAN 300ZX TURBO



TOYOTA SUPRA TURBO

Competitive Comparisons

	Corvette Convertible	Porsche 968 Cabriolet	Porsche 911 Cabriolet
EXTERIOR DIMENSIONS			
WHEELBASE (in.)	96.2	94.5	89.4
LENGTH (in.)	178.5	170.9	167.7
WIDTH (in.)	70.7	68.3	68.3
TREAD, FRONT (in.)	57.7	58.2	55.3
TREAD, REAR (in.)	59.0	57.1	56.9
ENGINE POWERTRAIN TYPE			
DISPLACEMENT	V8	I4	FLAT 6
BORE & STROKE (in.)	5.7L	3.0L	3.6L
FUEL DELIVERY	4.00 x 3.48	4.09 x 3.46	NA
COMPRESSION RATIO (:1)	SFI	EFI	EFI
NET HORSEPOWER @ RPM	10.4	11.0	11.3
NET TORQUE @ RPM	300 @ 5000	236 @ 6200	270 @ 6100
FUEL CAPACITY (gal.)	335 @ 4000	225 @ 4100	243 @ 5000
TRANSMISSION (standard)	20	19.6	19.4
AXLE RATIO (standard)	4AOD	6MOD	6MOD
DRIVE SYSTEM	2.59	3.78	NA
	RWD	RWD	RWD
PERFORMANCE			
0-60 mph (seconds)	5.4	5.9	4.4
1/4 MILE (seconds)	14.0	14.6	12.7
BRAKING 60-0 mph (ft.)	176	167	120
LATERAL ACCELERATION (g)	0.89	0.91	0.90

Corvette figures based on standard LT1 engine (1995 performance data). The competition's figures shown above are based on 1995 data, and were gathered from various periodicals. Use the above data as a guide; actual numbers may vary. Testing conducted on closed tracks with professional drivers. Do not attempt to duplicate.



PORSCHE 911 CABRIOLET

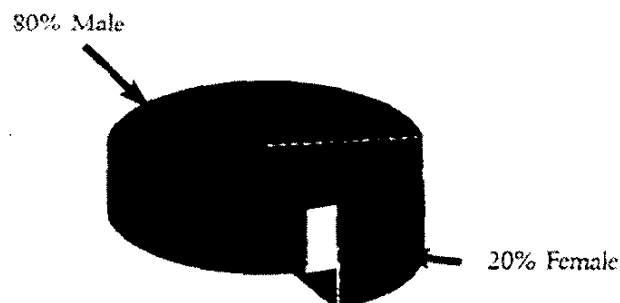


PORSCHE 968 CABRIOLET

Corvette Customer Focus

Customer Profile Information

Anyone might be a Corvette buyer. The Corvette appeal transcends generations, professions and even gender. The entrepreneur wearing blue jeans can just as likely be your dealership's next Corvette buyer as the corporate attorney in a pinstriped suit. The demographic chart below provides a "snapshot" of the people who are buying Corvette today. Remember, though, it's just a snapshot. Just because someone does not fit the chart doesn't mean they don't have the desire or ability to buy a Corvette.



CORVETTE BUYERS. Although Corvette appeals predominantly to men, it also has a loyal following of women, who account for 20 percent of sales each year.

DEMOGRAPHICS	COUPE	CONVERTIBLE
Median Age	43 years	44 years
% Male	80%	80%
% Married	64%	62%
% College Graduate	59%	63%
Median Household Income	\$85,000	\$100,000
Top Occupations:		
Professional/Managerial	51%	51%
Tech/Sales/Administrative	14%	14%
Intended Uses:		
Recreation	30%	32%
Social Activity	24%	25%
Commute to Work	21%	17%
Top Reasons for Purchase: ^a		
Fun to Drive	57%	55%
Exterior Styling	37%	40%
Vehicle Handling	25%	26%
Prestige Nameplate	23%	8%

^aTotals equal more than 100% because owners could indicate more than one category.

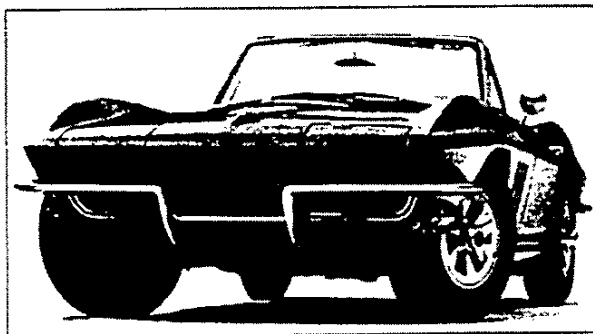
Corvette Customer Focus (contd.)

THE BUYER

Chevrolet recently conducted an extensive research project to learn more about the needs and desires of Corvette buyers. Along with Corvette owners, the study also included people who owned Porsche 944 and 911, Nissan 300ZX, Toyota Supra, Mazda RX-7, and Acura Legend, as well as BMW, Lexus and Mercedes models. The intent of the study wasn't to compile statistical data about these people, but rather to get at the heart of what fuels their desire for high-performance cars — which translates into how Chevrolet salespeople can use this information to help make Corvette their vehicle of choice. Given this mission, there were two very significant findings:

- Purchasing a Corvette is something many have dreamed of for a long time, perhaps even since their youth.
- Corvette buyers view the dealership and purchase experience as a game in which the ultimate prize is a new Corvette.

Understanding more about each of these key points will help you, as a Corvette Specialist, build solid relationships with Corvette prospects and improve your chances of making the sale. In the pages that follow, we'll look more closely at how these two issues are connected. First, we'll cover more about the "Corvette Dream" and then how the sales process is looked upon as "a game."



Many Corvette buyers say they grew up dreaming that someday they'd own a Corvette. Sometimes it's a significant event in their lives, such as a 40th birthday, divorce or job change that convinces people that "Now is the time to own a Corvette."

THE CORVETTE DREAM

For many people, purchasing a new Corvette is the fulfillment of a lifelong dream. They've always desired, and now they have the opportunity, to make that dream a reality.

Often, their aspiration for Corvette goes back many years to their youth. Remember, for more than 40 years, Corvette has been part of the American fabric — and its appeal spans our society. Just consider how many times Corvette has been seen in the movies, on television or immortalized in songs like:

- "Dead Man's Curve," recorded by Jan & Dean
- "The Corvette Song," recorded by George Jones
- Or "Little Red Corvette," recorded by Prince.

One Corvette owner summed up the Corvette dream like this:

"I see a 1950-something Corvette. I'm at a drugstore, looking at the picture on the back of a magazine. I tell myself that, when I grow up, I'm gonna own one."

An important reason why the Corvette dream is so strong is the image that owners say the car conveys.

"I feel impressive in this car. It gives me confidence. I feel like I can do anything. The car forces me to be confident and successful."

"It's nice to portray yourself as a certain type when you pull up for an appointment. They treat you differently."

"The Corvette says I'm alive, well and in working condition."

Corvette Customer Focus (contd.)

DO NOT DISTURB THE DREAM

Most Corvette buyers have already made the decision to purchase the car. "Do Not Disturb The Dream" means that Corvette buyers don't have to be and, most importantly, don't want to be, "sold." The salesperson's role is to guide them through the process. Here's what owners said is important:

- They need to feel that the car they buy is unique, so they feel special.
- They want a salesperson who shares their dream — someone who understands what it means to own a Corvette.
- A well-rounded understanding of the car is important, but it's not necessary to try to overwhelm the customer with technical facts.
- Sincerity and understanding about the Corvette experience are just as important as product knowledge.
- Don't come on too strong.

THE CORVETTE SPECIALIST

The role of the Corvette Specialist is to nurture the dreams people have of owning a Corvette. Successful Corvette salespeople were interviewed during the development of this book, and they revealed some of the things you can do to help prepare yourself:

- Become a Corvette product expert. Use the training and reference materials provided by Chevrolet, and also review the Owner's Manual and Owner's Video. But, most importantly, get hands-on experience with the car.
- Keep up to date on articles published about Corvette and its competitors in magazines such as *Motor Trend*, *Road & Track* and *Car and Driver*.
- Stay in touch with the Corvette culture by reading magazines like *Corvette Quarterly* and participating in Corvette Club events. Every Corvette Club needs a Chevrolet dealer sponsor; look into becoming one.

THE GAME

The fact that Corvette owners said they viewed the sales/buying process as a game is very enlightening. It's a game in which both players can win, if it's played correctly. The customer drives off in their dream car and the salesperson has the opportunity to win a tremendous prize — a Corvette sale.

Knowing the "rules of the game" means knowing that many prospective Corvette buyers have a negative predisposition about going to a Chevrolet dealership. Many believe salespeople will approach them in the same manner they would as if they were selling a Cavalier or Lumina. This feeling is illustrated with comments like:

"IT'S LIKE GOING TO K-MART TO BUY A DIAMOND. THEY DON'T UNDERSTAND THAT A CAR CAN MEAN SO MUCH MORE TO A PERSON. PORSCHE DEALERS DO."

Some owners said they even "dressed down" for the occasion — walking into the dealership and almost daring salespeople not to take them seriously. One person told this story:

"I CAME INTO THE CORVETTE DEALERSHIP WITH A STRAW IN MY HAIR. THE SALESMAN SAID, 'WHAT MAKES YOU THINK YOU CAN BUY THIS CAR?' I SAID TO HIM, 'BECAUSE I CAN BUY AND SELL THREE OF YOU RIGHT NOW.' I WAS SO TICKED OFF, I LEFT."

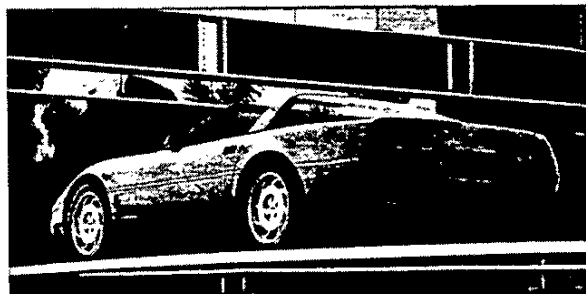
BUYER MOTIVATIONS

The Corvette buyer study provided other valuable information that can help you better understand the motivations of today's Corvette buyers. It can help you build a rapport and win their trust.

Corvette Customer Focus (contd.)

A PERSONAL DECISION

The influence and input of family members, friends and co-workers often has very little impact on a person thinking about buying a high-sport car like Corvette. It's a very personal decision. They buy the car for themselves, not for other people. One Corvette owner said: *"My wife doesn't want me to buy it ... I order the car and it arrives the day of our 10th wedding anniversary. I bought my wife a string of pearls and put it in the glove compartment."*



Once a person decides to buy a Corvette, their mind is made up. Other people don't have much influence in the buying decision.

BUILDING BLOCKS TO THE SALE AND OWNER LOYALTY

Corvette buyers are accustomed to a high level of personal service, and they expect to be treated with respect and professionalism. The following information can help prepare you to meet their expectations.

APPROACHING AND GREETING

Corvette buyers don't want to feel as if they're being "pushed" or "sold." After greeting customers, step aside and give them time to be alone with the car. Be available to answer questions without "hovering."

PRODUCT KNOWLEDGE

Corvette buyers are very informed about the vehicle. Your ability to communicate with them knowledgeably about the many advanced components and systems of Corvette is a critical element in earning their trust. Always bear in mind that a Corvette customer may know as much about the car as you do.

TAKE A TEST DRIVE

Corvette buyers expect to take a test drive, so make sure one is a part of every product presentation.

INTRODUCE SERVICE MANAGER AND CORVETTE TECHNICIAN

Corvette buyers want to be confident that the dealership is qualified to handle maintenance and service work that will be required for their cars. Introducing prospects to the service manager and Corvette technician helps build this confidence.

MAKING THE DELIVERY

For many people, the day they take delivery of their Corvette is the day their "dream" comes true. Inspect the vehicle before the owner arrives to make sure everything is perfect. Also give new owners your business card and ask them to contact you personally if they have any questions or needs. This special attention is appreciated.

OWNER FOLLOW-UP

Follow up with owners on a regular basis to make sure they are satisfied and remind them of regular maintenance schedules.

COURTESY TRANSPORTATION

When a Corvette needs to be left overnight for service, encourage your dealership to have a special Courtesy Transportation vehicle available — perhaps a Camaro Z28.

Corvette Customer Focus (contd.)

Information Resources

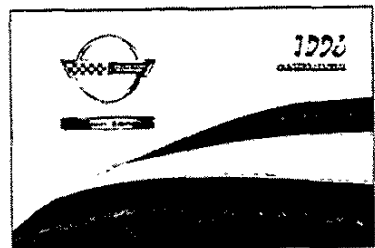
CORVETTE QUARTERLY



Corvette Quarterly provides a unique glimpse at the culture surrounding Corvette. It offers a look at all aspects of the Corvette lifestyle, from the people who design and build Corvettes to the enthusiasts who drive them. Every new Corvette owner receives a complimentary

four-year subscription to *Corvette Quarterly*.

CORVETTE OWNER'S MANUAL



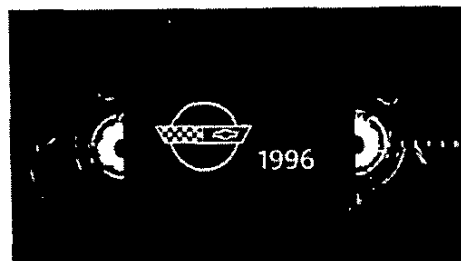
The Corvette Owner's Manual is an outstanding resource of in-depth Corvette information, which includes maintenance tips and schedules.

PRODUCT TRAINING VIDEO



The 1996 Chevrolet Passenger Car New Product Training program includes a written section and video segment dedicated to Corvette. Along with a review of new features for 1996, the video also includes presentations by key Corvette engineers.

1996 CORVETTE OWNER'S VIDEO



There's also a special dealer version of the 1996 Corvette Owner's Video that was sent to your dealership, which can be used for Corvette Specialist Training. The video contains a wide variety of programs which cover important topics that will help salespeople become more knowledgeable about Corvette features and manufacturing, including a performance review with NASCAR driver Jeff Gordon.

Corvette Product Information

1996 Corvette Highlights

NEW FOR '96

- Optional LT4 5.7 Liter V8 engine (6-speed manual transmission only)
- 8000 rpm tachometer when equipped with LT4 engine.
- Optional Selective Real Time Damping Suspension System
- On-Board Diagnostics Second Generation (OBD II)
- Optional Z51 Performance Handling Suspension Package
- Collector Edition (RPO Z15)
- Grand Sport (RPO Z16).



KEY PRODUCT FEATURES

- Dual air bags
- ABS/ASR V
- LT1 and LT4 engines
- 4-speed electronically controlled automatic transmission (with LT1 only)
- 6-speed manual transmission (with LT4 only)
- Goodyear Eagle GS-C Tires
- Optional Extended Mobility Tires (EMT)
- Composite body panels
- Standard leather seating surfaces
- Passive Keyless Entry
- PASS-Key anti-theft system
- Vehicle alarm system
- Optional Selective Real Time Damping Suspension System
- Optional Z51 Performance Handling Suspension Package.

CHEVROLET CUSTOMER CARE



- Every Corvette is backed by GM's 3-year/36,000-mile Bumper to Bumper limited warranty with no deductible.



- 24-Hour Roadside Assistance is offered in two levels of service, Basic Care and Courtesy Care (see the 1996 Chevrolet Passenger Car Product Training Guide for more information).



- Courtesy Transportation at participating dealers provides no-cost transportation when a vehicle comes in for warranty work (some restrictions apply).

Corvette Product Information

SAFETY & SECURITY

DRIVER AND FRONT-PASSENGER AIR BAGS

- Designed for use with safety belts, restrain driver and front passenger in the event of a moderate to severe frontal impact. Always wear safety belts, even with air bags.

4-WHEEL ANTI-LOCK HEAVY-DUTY DISC BRAKE SYSTEM

- Helps maintain steering control and minimizes wheel lockup on most slippery surfaces.

ACCELERATION SLIP REGULATION (ASR)

- Sophisticated Traction Control system works with the 4-wheel anti-lock brake system (ABS) to provide improved acceleration and enhanced vehicle stability.

PASS-KEY II THEFT-DETERRENT SYSTEM

- Use of an improper key disables starter and fuel delivery, causing an immediate delay for about three minutes before another attempt can be made to start the vehicle.

PERFORMANCE

5.7 LITER LT1 SMALL BLOCK V8 WITH SFI

- 300 horsepower @ 5000 rpm.
- 335 lb.-ft. of torque @ 4000 rpm.
- Available with automatic transmission only.

OPTIONAL 5.7 LITER LT4 SMALL BLOCK V8 WITH SFI (REQUIRED WITH GRAND SPORT)

- 330 horsepower @ 5800 rpm.
- 340 lb.-ft. of torque @ 4500 rpm.
- Available with 6-speed manual transmission only.

GOODYEAR GS-C TIRES

- Steel-belted, polyester cord body with unique spiral overlay reduces heat buildup at high speeds and provides smooth ride quality without inhibiting high-speed handling.

6-SPEED MANUAL TRANSMISSION (LT4 ONLY)

- Provides high-torque multiplication for quick initial acceleration.

4L60-E ELECTRONIC 4-SPEED AUTOMATIC TRANSMISSION (LT1 ONLY)

- Wide range of gear ratios, enhances both performance and economy.

APPEARANCE

COLLECTOR EDITION (Z15)

- Designed to celebrate the final year of production of the fourth-generation Corvette.

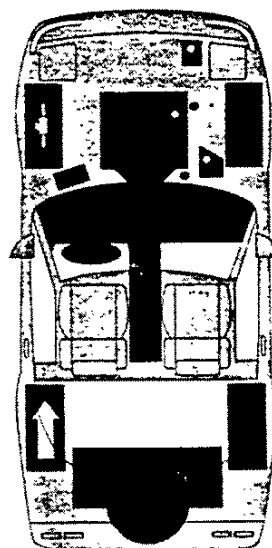
GRAND SPORT (Z16)

- Evokes the heritage of the legendary lightweight Corvette road racers of the '60s, and delivers the advanced technology of the '90s.

CLAM SHELL FRONT-END ASSEMBLY

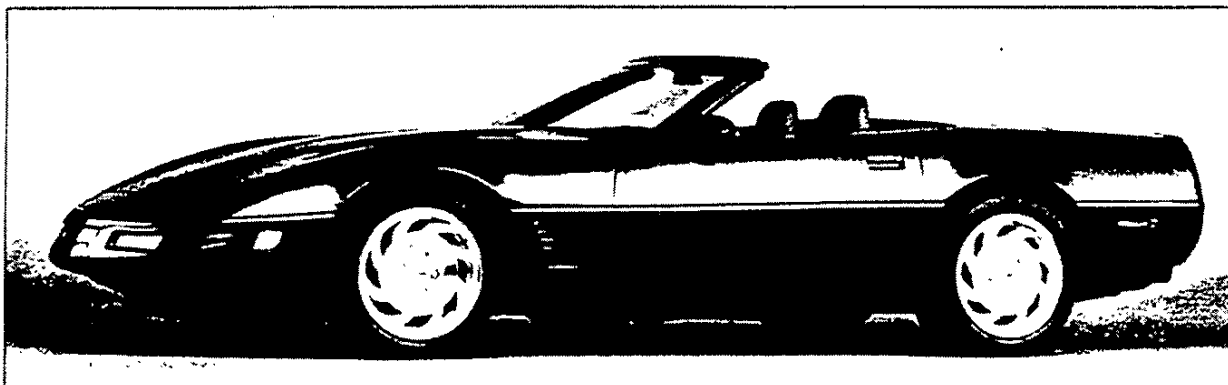
- Tilts forward to provide easy engine access.
- Permits easy viewing of front suspension.

CORVETTE DELIVERY TIPS



- Dipsticks (note synthetic oil for both LT1 and LT4 engines)
- Base-coat/clear-coat paint (explain care)
- Bosch ABS/ASR V (explain operation)
- Dual air bags (discuss operation)
- Explain roof panel removal and storage procedure
- Unidirectional Goodyear Eagle GS-C tires
- Sound system (explain presets, time set, additional features)
- Fuel filler (20-gal. tank, 91 octane recommended for both engines)
- Compact spare and jack stowage (show special wheel nut socket location, discuss contents)
- EMT (explain if equipped)

Corvette Product Information (contd.)



COMFORT & CONVENIENCE

ELECTRONIC SPEED CONTROL

- Helps makes long-distance driving easy.

LEATHER-WRAPPED STEERING WHEEL

- Provides good grip and enhances interior appearance.

PASSIVE KEYLESS ENTRY SYSTEM (PKE)

- Automatically unlocks doors and turns on interior light when driver approaches vehicle; locks doors when driver walks away from vehicle.

RESERVE ACCESSORY POWER

- When the ignition key is turned off, a Reserve Accessory Power feature supplies power to the entertainment system and power windows for 15 minutes, or until a door is opened (whichever occurs first).

POWER DOOR LOCKS AND WINDOWS WITH DRIVER'S EXPRESS-DOWN FEATURE

- For enhanced convenience.

TILT-WHEEL™ ADJUSTABLE STEERING COLUMN

- Provides comfortable position for a wide range of drivers.

DRIVER INFORMATION CENTER

- Alerts driver to specific vehicle functions.

EASY-TO-OWN

New for
'96

ON-BOARD DIAGNOSTICS SECOND GENERATION (OBD II)

- A new standard feature on every 1996 Chevrolet constantly monitors the emissions system, and is able to detect a problem before it can seriously affect vehicle performance.

PLATINUM-TIP SPARK PLUGS

- Designed to last up to 100,000 miles under normal operating conditions.*

DEXRON III AUTOMATIC TRANSMISSION FLUID

- Never needs replacement under normal operating conditions.*

New for
'96

100,000-MILE ENGINE COOLANT

- The recommended service change interval is 5 years or 100,000 miles, whichever comes first.*

*Maintenance needs vary with use and driving conditions.

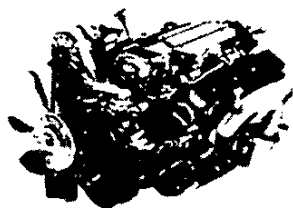
Corvette Product Information (contd.)

ENGINES

ENGINE RATINGS

5.7 Liter LT1 V8 with SFI	5.7 Liter LT4 V8 with SFI
300 hp @ 5000 rpm	330 hp @ 5800 rpm
335 lb.-ft. torque @ 4000 rpm	340 lb.-ft. torque @ 4500 rpm

5.7L V8 WITH SFI (LT1)

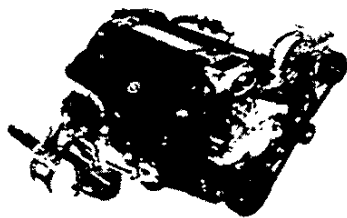



- Standard 5.7L LT1 V8 features Sequential Fuel Injection for optimum combustion that precisely matches fuel delivery to each

cylinder's intake stroke, pulsing the individual injectors in sequence with the firing order for a smooth idle, outstanding driveability and low emissions. Available with automatic transmission only.

- Aluminum cylinder heads and pistons help make the engine lightweight for impressive performance.
- Reverse-flow cooling system routes cold coolant to the heads, which are the hottest part of the engine, first. Cooler heads help maximize performance capability.
- Opti-Spark ignition system provides precise spark control and efficient operation.

5.7L V8 WITH SFI (LT4)



-  Optional 5.7L LT4 V8 with SFI — required on Grand Sport — boosts performance by 30 horsepower over

the LT1 engine. Available with 6-speed manual transmission only.

- Larger intake valves and exhaust valves than LT1 provide optimum breathing.
- Revised piston design with reduced valve pocket depth produces 10.8:1 compression (higher than the LT1's 10.4:1).

- High-capacity fuel injectors provide optimum fuel flow for outstanding performance
- The LT4 stands out with unique appearance features, including a red inlet manifold, red spark plug and coil wires, red "Corvette" lettering on manifold covers and red "Grand Sport" lettering on throttle-body cover, even on non-Grand Sport models.

TRANSMISSIONS

4-SPEED ELECTRONICALLY CONTROLLED AUTOMATIC (LT1 ONLY)

- 4L60-E 4-speed electronically controlled automatic overdrive transmission utilizes electronic controls to deliver smooth, precision shift points.
- New torque management system protects the powertrain by reducing the amount of energy and heat generated by frequent severe shifts when a vehicle stuck in a snow bank or similar situation is "rocked"
- First gear (3.06:1 ratio) provides high-end torque for impressive acceleration while overdrive gear (.70:1 ratio) offers impressive fuel economy at highway cruising speeds.
- Brake/transmission shift interlock requires driver to depress the brake pedal before shifting out of Park for added security.

6-SPEED MANUAL (LT4 ONLY)

- 2.68:1 ratio in first gear provides high-torque multiplication, for quick initial acceleration; two overdrive gears produce quiet, economical highway cruising.
- Overdrive in 5th and 6th gears helps deliver outstanding fuel economy at highway speeds.
- Automatically centers shift lever in the 3-4 gate's Neutral position to enhance shift feel and help minimize the chance of misshifting.
- Dual mass flywheel dampens torque fluctuations at idle for quiet performance.
- Designed specifically for the Corvette by Zahradfabrik Friedshafen A.G. (ZF), a German transmission builder known worldwide for its gear boxes.

ABS/ASR V

BRAKE SYSTEM

- Heavy-duty power 4-wheel vented disc brakes — with large 13-in. x 1.1-in. rotors and dual piston front calipers — are standard on all Corvettes, providing sure response in a variety of road and weather conditions.
- Bosch 4-wheel anti-lock brake system (ABS) is standard. ABS helps the driver maintain vehicle control during braking, even under adverse road conditions, by minimizing wheel lockup.

ACCELERATION SLIP REGULATION (ASR)

- Sophisticated Traction Control system works with the 4-wheel anti-lock brake system (ABS) to provide improved acceleration and enhanced vehicle stability.
- Automatically engaged when the vehicle is turned on, but can be turned off manually when additional wheel slip is desired, such as when the vehicle is mired in snow or mud.
- Calibrated to allow some wheel slip during acceleration if it is beneficial for the driving conditions.
- Individual rear brake control makes it possible to utilize the available traction on a split coefficient (i.e., one rear wheel on slick pavement, one rear wheel on dry pavement).

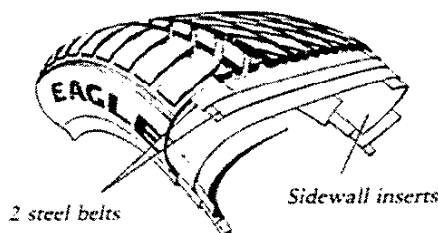
TIRES

GOODYEAR EAGLE GS-C

- The Goodyear Eagle GS-C has a unidirectional and asymmetrical tread pattern for superb wet and dry performance.
- Front tire size is P255/45ZR-17 on 17-in. x 8.5-in. cast-aluminum-alloy rims.
- Rear tire size is P285/40ZR-17 on 17-in. x 9.5-in. cast-aluminum-alloy rims for outstanding traction.
- Larger front and rear P275/40ZR-17 tires on 17-in. x 9.5-in. wheels are part of the new optional Z51 Performance Handling Package.
- Grand Sport tires: Coupe — P275/40ZR-17 (front), P315/35ZR-17 (rear); Convertible — P255/45ZR-17 (front), P285/40ZR-17 (rear).
- Standard wheel nut locks on all four wheels.

OPTIONAL EXTENDED MOBILITY TIRES (EMT)

- Optional Goodyear Eagle GS-C EMTs (RPO WY5) offer driving capability at 55 mph for up to 200 miles after complete air loss, greatly reducing the possibility of having to change a flat on the side of the road (not available on Grand Sport Coupe).
- Specially compounded sidewalls support the weight of the vehicle after air loss to help prevent wheel rims from contacting the ground.
- When inflated, EMTs deliver performance comparable to standard GS-Cs — most drivers will probably not notice any difference.
- Since air loss may be imperceptible to the driver, LTPWS (see below) is a required option w/EMT.



OPTIONAL SPARE TIRE DELETE

- Optional spare tire delete (RPO N84; requires Extended Mobility Tires and low-tire pressure warning system, RPO UJ6) eliminates jack assembly, providing more storage in compartment behind passenger seat, as well as a better view of rear suspension components.
- Lowers overall vehicle mass and provides a vehicle price reduction.

OPTIONAL LTPWS

- Optional low-tire-pressure-warning system (RPO UJ6) alerts the driver via a signal lamp in the Driver Information Center should one or more of the tires become underinflated.
- Utilizes radio transmitters on each wheel, which send low-frequency signals to a central control unit that constantly monitors tire pressure.

Corvette Product Information (contd.)

SUSPENSION SYSTEM

INDEPENDENT FRONT SUSPENSION

- Forged-aluminum Short/Long Arm (SLA) control arms, forged-aluminum steering knuckles, a glass-epoxy transverse monoleaf spring and a steel stabilizer bar provide outstanding cornering ability.

5-LINK REAR SUSPENSION

- Forged-aluminum control arms, forged-aluminum knuckles and struts, a glass-epoxy monoleaf spring, steel tie rods, a steel stabilizer bar, and tubular U-joint drive shafts are designed to provide impressive handling characteristics.

New for
96

SELECTIVE REAL TIME DAMPING SYSTEM

The new Selective Real Time Damping system is the next step in optimizing ride while maintaining ultimate handling capabilities through a driver-adjustable ride control system. Selective Real Time Damping (RPO F45), which replaces the FX3 Selective Ride Control, is optional on all Corvette models. (Requires power driver and passenger seats.)

Selective Real Time Damping helps to balance the vehicle by using sensors at each wheel, to measure movement. The data retrieved from the wheels and the PCM (Powertrain Control Module) is processed by a controller, which calculates the damping mode that will provide optimum control of the vehicle. This sophisticated driver-adjustable Delco ride control system adjusts the shock absorbers in (real time) 10 to 15 milliseconds. Selective Real Time Damping is designed to:

- Reduce impact harshness
- Improve isolation
- Improve rolling smoothness
- Improve high-speed stability
- Improve wheel control.

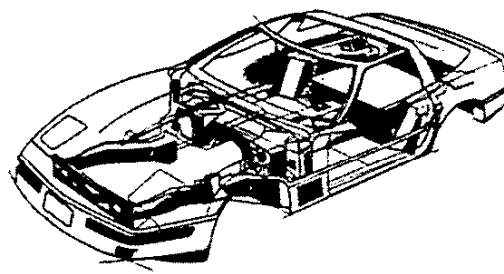
BODY

COUPE

- The Corvette body is formed from a composite plastic material. It's assembled over an all-welded 100-percent-galvanized steel space frame that forms a structurally rigid cage for the passenger compartment.
- Clam shell hood opening permits access to engine and accessories.
- Raked windshield, angled at 64°, contributes to aerodynamic efficiency and a sleek appearance.
- Full-opening glass hatch with concealed hinges for added versatility and a clean appearance.
- Removable fiberglass roof panel or optional blue-tinted or bronze-tinted transparent roof panel offers an open-air ride. Only four bolts need to be loosened to remove panel. Ratchet stowed in center console.
- High-gloss acrylic enamel base-coat/clear-coat exterior paint finish contributes to a deep, long-lasting shine.

CONVERTIBLE

- The Corvette Convertible top disappears beneath a fiberglass panel when lowered, for a sleek appearance.
- A glass rear window with defogger is standard.
- Optional lightweight (64 lbs.) removable hardtop for Convertible includes electric rear-window defogger and an integral headliner for sound deadening. Makes Convertible a comfortable, all-seasons vehicle.



The Corvette body is formed from a composite plastic material and assembled over an all-welded steel space frame.

INTERIOR

MAJOR FEATURES

- Standard driver and front-passenger air bags complement the lap/shoulder safety belt system by helping to restrain the driver and front passenger in the event of a moderate to severe frontal impact. (Always wear safety belts, even with air bags.)



Corvette provides standard air bag protection for both occupants.

- Driver's "Express-Down" window opens completely at the touch of the window control switch.
- White instrument panel graphics turn a tangerine color when illuminated at night.
- Storage space in armrests under lift-up lids and in both door panels.
- Tire jack stored under the interior storage compartment behind the passenger seat for easy access (not included if spare tire delete is ordered).
- An anti-theft horn alarm circuit is standard on all Corvette models for additional security.
- Electronic speed control with Resume Speed, tap-up/tap-down feature maintains established road speed for added convenience.
- Power-operated windows and door locks enhance driver convenience.
- Standard air conditioning keeps the interior cool and dehumidified.

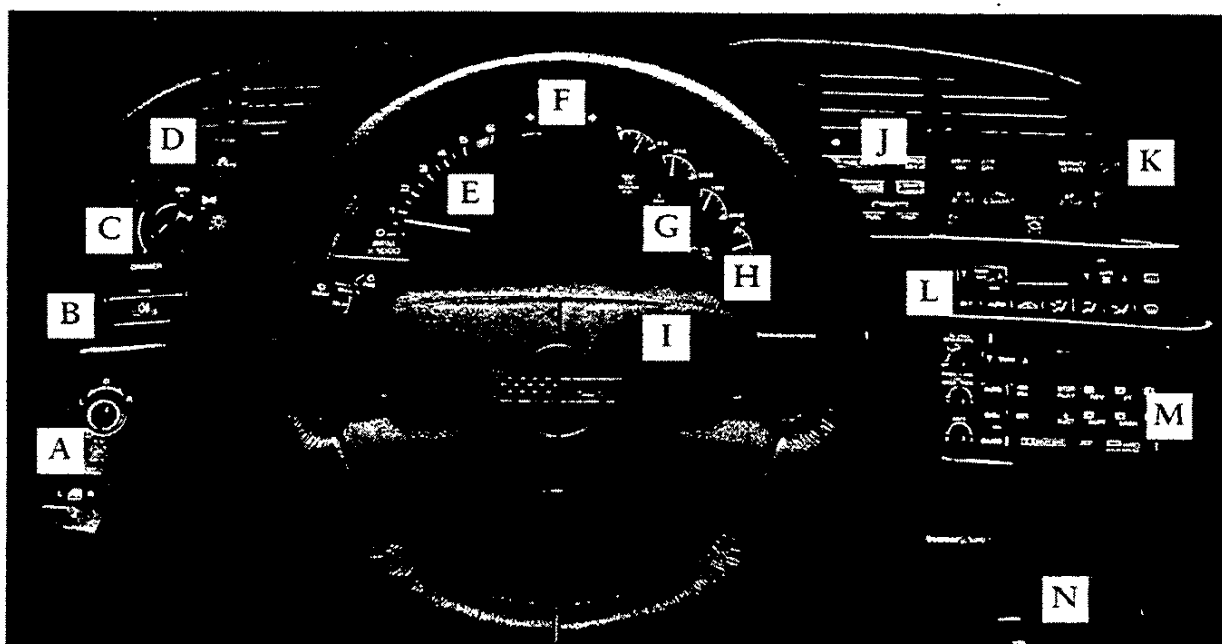
PASSIVE KEYLESS ENTRY (PKE)

- Passive Keyless Entry (PKE) system adds both convenience and security. When the driver approaches or leaves the car, the key-fob transmitter automatically unlocks or locks the doors.
- Operator can program the system to:
 - Lock/unlock both doors
 - Lock/unlock driver door only
 - Not operate at all.
- The PKE also automatically arms and disarms the standard theft-deterrent system, and a built-in feature prevents doors from locking when the keys are left in the ignition.

SOUND SYSTEMS

- Standard AM/FM stereo sound system with cassette tape player for excellent sound reproduction.
- Optional sound systems include a 200-watt, Delco/Bose Gold Series system with cassette tape player, or cassette tape and compact disc players and Speed-Compensated Volume.
- All systems allow you to search for radio stations:
 - First press the "AUTO" button
 - Then press either the "UP" or "DOWN" arrow on the tune button.
- The cassette tape and compact disc players also feature:
 - A "REPEAT" button that automatically replays the previous selection
 - A "SEARCH" button that advances to the next selection
 - A "SCAN" function that plays the first eight seconds of each selection.
- Standard power antenna lowers automatically when the sound system or vehicle is turned off to help protect it from damage.

Corvette Product Information (contd.)



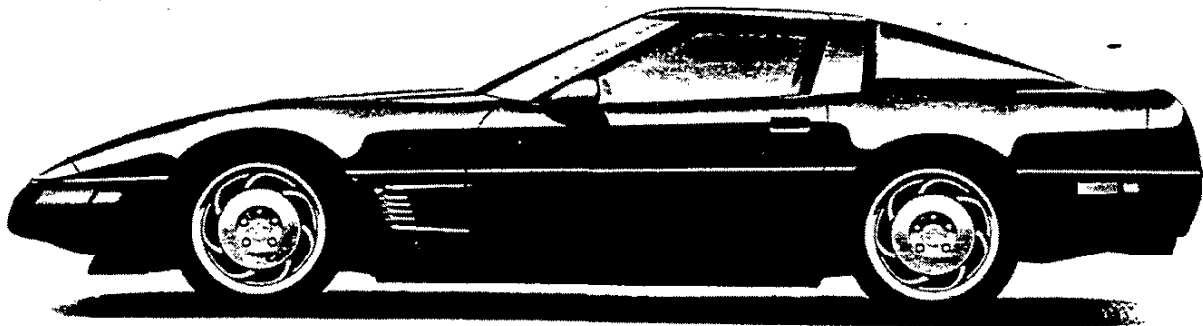
CORVETTE STANDARD INSTRUMENT PANEL AND CONTROLS INCLUDE:

- [A] Power outside mirror control.
- [B] Fog lamp switch.
- [C] Headlamp/parking lamp/instrument panel lamps dimmer control.
- [D] Acceleration Slip Regulation (ASR) switch.
- [E] Analog 6000-rpm tachometer graphics for easy monitoring of engine speed (8000 rpm with a 6300 redline with optional LT4 engine).
- [F] Speedometer, odometer and fuel gauge. Digital display also includes oil temperature, engine temperature, voltage and automatic transmission fluid temperature readouts. Drivers can also choose English or metric displays. Fuel readouts include instant and average mileage, as well as driving range until empty.
- [G] Analog gauge displays for oil temperature and pressure, voltage and coolant temperature.
- [H] Driver-alert lamps (including CHECK GAUGES and CHANGE OIL service messages).
- [I] Driver air bag.
- [J] Trip monitor computer for specific mileage references.
- [K] Driver Information Center alerts driver to specific vehicle functions.
- [L] Heater/air conditioning/ventilation system for accurate temperature settings. Optional electronic system (shown) allows digital temperature settings for precise climate control.
- [M] Sound system: optional Delco/Bose Gold Series music system.
- [N] Center console: includes storage for roof panel ratchet, lug nut key and CD/cassette tape stowage.

DID YOU KNOW...

An optional low-tire pressure-warning system (required with EMT tires) alerts the driver via a signal lamp in the Driver Information Center, should one or more of the tires become under-inflated (not available with Grand Sport Coupe).

Corvette Safety Overview



ACCIDENT AVOIDANCE

- Acceleration Slip Regulation (ASR)
- 4-wheel anti-lock heavy-duty disc brake system (ABS)
- Backup lamps
- Brake system with dual master cylinder plus warning light
- Brake/transmission shift interlock (automatic transmission)
- Center high-mounted stop lamp
- Directional signal control
- Illuminated heater and defroster controls
- Inside day/night rearview mirror
- Heated outside rearview mirrors
- Parking lamps
- Rear-window defogger
- Side-marker lamps and reflectors
- Clutch safety switch (manual transmission)
- Tires with built-in tread-wear indicators
- Windshield defoggers, washer and multi-speed wipers.
- 4-way hazard-warning flashers

OCCUPANT PROTECTION

- Breakaway inside rearview mirror
- Driver and front-passenger air bags
- Energy-absorbing instrument panel
- Energy-absorbing steering column
- Front and rear crush zones
- Head restraints
- Laminated windshield glass
- Interlocking door latches
- Safety armrests
- Safety belts, manual lap/shoulder, with cinch feature
- Security door locks and door-retention components
- Side-door beams.

Color and Trim Selection

SEAT STYLE AND TRIM COMBINATION

Model	Seat Type	Seat Option	Availability	Interior Color			
				Black	Light Beige	Light Gray	Torch Red
Coupe/Convertible	Leather Bucket	AR9	Standard	193	643	143	703
	Leather Adjust. Sport Bucket*	AQ9	Optional	193	643	143	703
w/Z15 and Z16 options	Seat Type	Seat Option	Availability	Black	Light Gray	Torch Red	Torch Red/Black
Collector Edition (Z15)	Leather Adjust. Sport Bucket**	AQ9	Standard	194	144	704	
Grand Sport (Z16)	Leather Adjust. Sport Bucket* **	AQ9	Standard	195			705

*Requires optional (RPO) AG1 and AG2 power seats. †Includes Collector Edition embroidery. **Includes Grand Sport embroidery.

CORVETTE COUPE (Recommended Exterior/Interior Combinations)

Exterior Paint Color	Color Code	Black	Light Beige	Light Gray	Torch Red
■ Aqua, Bright (Metallic)	43U	X	X	X	
■ Black	41U	X	X	X	X
■ Green, Polo II (Metallic)	45U	X	X		
■ Purple, Dark (Metallic)	05U	X	X	X	
■ Red, Torch	70U	X	X	X	X
■ Yellow, Competition	53U	X	X	X	
■ White, Arctic	10U	X	X	X	X

CORVETTE CONVERTIBLE (Recommended Exterior/Interior Combinations)

Exterior Paint Color	Color Code	Black	Light Beige	Light Gray	Torch Red
■ Aqua, Bright (Metallic)	43U	41T/16T	16T/34T	41T/16T	
■ Black	41U	41T/16T/34T	41T/34T	41T/16T	41T
■ Green, Polo II (Metallic)	45U	41T/34T	34T		
■ Purple, Dark (Metallic)	05U	41T/34T	41T/34T	41T/16T	
■ Red, Torch	70U	41T/16T/34T	41T/16T/34T	41T/16T	41T/16T/34T
■ Yellow, Competition	53U	41T/16T/34T	41T/16T/34T	41T/16T	
■ White, Arctic	10U	41T/16T/34T	41T/16T/34T	41T/16T	41T/16T

Top Color Codes: 16T — White (vinyl), 41T — Black (fabric) and 34T — Beige (fabric).

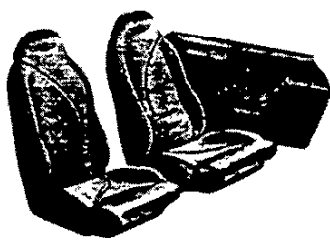
COLLECTOR EDITION/GRAND SPORT COUPE

(Exterior/Interior Combinations)	Required	Interior Color/Convertible Top Color			
Exterior Paint Color	Color Code	Black	Light Gray	Torch Red	Torch Red/Black
■ Sebring, Silver (Metallic) Z15 (Collector Edition)	13U	X/41T	X/41T	X/41T	
■ Blue, Admiral (Metallic) Z16 (Grand Sport)	28U	X/16T			X/16T

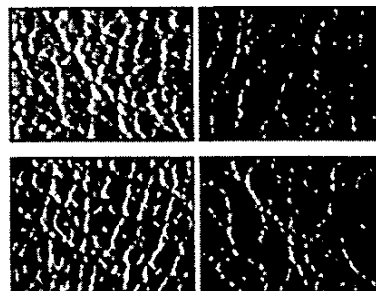
Color and Trim Selection



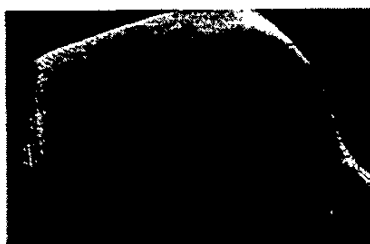
Reclining bucket seats.



Adjustable Sport bucket seats.



Leather seating surfaces available in Light Beige, Black, Light Gray and Torch Red.



Collector Edition seat.



Grand Sport seat.



Leather seating surfaces available in Torch Red/Black on Grand Sport.



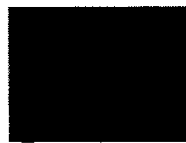
Bright Aqua Metallic



Black



Polo Green II Metallic



Dark Purple Metallic



Torch Red



Competition Yellow



Arctic White



Sebring Silver Metallic
(Collector Edition only)



Admiral Blue Metallic
(Grand Sport only)

Corvette Equipment Summary

MODELS

FUNCTIONAL FEATURES	Coupe	Convertible
Acceleration Slip Regulation (ASR)	S	S
Acoustical Insulation Package	S	S
Axle - performance ratio (automatic transmission only)	O	O
Battery - Delco Freedom II maintenance-free	S	S
Brakes - power, heavy-duty 4-wheel disc	S	S
- 4-wheel anti-lock (Bosch ABS V)	S	S
Brake/Transmission Shift Interlock (automatic transmission only)	S	S
Construction - uniframe design with corrosion-resistant coating	S	S
Front-End Assembly - full-tilting clam shell opening	S	S
Fuel Tank - 20-gallon capacity, in-tank fuel pump	S	S
Glass - tinted, flush-mounted	S	S
Hatch - rear, full glass with two remote releases	S	NA
Keyless Entry - Passive, operates security system (w/remote hatch release, Coupe only)	S	S
Lamps - underhood	S	S
Limited Slip Differential	S	S
Rear-Wheel Drive	S	S
Roof - full-folding convertible w/glass rear window and heated grid defogger	NA	S
- removable lightweight (64-lbs.) hardtop	NA	O
Roof Panel - one-piece removable, fiberglass	S	NA
- blue- or bronze-tinted, removable, transparent	O	NA
Selective Real Time Damping	O	O
Steering - power rack-and-pinion with cooler	S	S
Suspension - independent, aluminum parallel SLA, transverse monoleaf fiberglass spring, and steel stabilizer bar - front	S	S
- independent with transverse monoleaf fiberglass spring, steel tie rods and stabilizer bar - rear	S	S
- forged-aluminum front and rear suspension arms	S	S

EXTERIOR FEATURES

Bumpers - 2.5-mph	S	S
Exhaust System - aluminized stainless-steel, including manifolds and dual tailpipes	S	S
Fog Lamps - dual halogen	S	S
Gill Panels - front fender ventilating louvers	S	S
Headlamps - power-operated, retractable halogen	S	S
Lamps - front cornering	S	S
- rear backup	S	S
- rear marker lamps with red and clear lens	S	S

S - Standard, O - Optional, NA - Not available.

Corvette Equipment Summary (contd.)

EXTERIOR FEATURES (continued)

	Coupe	Convertible
Mirrors - dual, heated, sport electric remote-controlled	S	S
Moldings - body-color, body-side	S	S
Paint - base-coat/clear-coat	S	S
Stop Lamp - center high-mounted in rear fascia	S	S
Wipers - concealed with integral washers in wiper arms	S	S

INTERIOR FEATURES

Air Bags - driver and front-passenger	S	S
Air Conditioning - manual control (with CFC-free refrigerant)	S	S
Air Conditioning - electronic control (with CFC-free refrigerant)	O	O
Automatic Transmission Fluid Temperature Display	S	S
Carpets - deep-twist, floor and storage area	S	S
Cellular Phone Power Wiring Connector - in console	S	S
Console - center, w/coin tray, cassette tape/CD storage and locking, lighted storage compartment and integral armrest	S	S
Defoggers - side-window	S	S
- rear-window	S	S
Door Locks - power	S	S
Driver Information Center - alerts driver to specific vehicle functions	S	S
Instrumentation - electronic liquid crystal w/white analog and digital display, switchable English or metric readouts	S	S
Low-Oil- and Coolant-Level Light	S	S
Luggage Compartment Concealment Roller Shade	S	NA
Mirrors - rearview, day/night with integral map light	S	S
- vanity, covered and illuminated LH and RH	S	S
PASS-Key® II Theft-Deterrent System	S	S
Seats - adjustable buckets w/leather seating surfaces	S	S
- power, 6-way adjustable, driver	O	O
- power, 6-way adjustable passenger (requires power driver seat)	O	O
- adjustable Sport buckets w/leather seating surfaces, lateral support and back-angle adjustment (requires power driver and passenger seats)	O	O
Scotchgard™ Fabric Protector - on floor carpeting and floor mats	S	S
Speed Control - electronic	S	S
Stereo - electronically tuned AM/FM with seek-scan, cassette tape player, digital clock, power antenna and extended-range speakers	S	S
- Delco/Bose music system, electronically tuned AM/FM stereo w/seek-scan, digital clock and cassette tape player	O	O
- Delco/Bose electronically tuned AM/FM with seek-scan, cassette tape player, CD player, digital clock, power antenna and extended-range speakers	O	O
Steering Wheel - Sport, leather-wrapped	S	S

Corvette Equipment Summary (contd.)

INTERIOR FEATURES (continued)

	Coupe	Convertible
Storage Compartments - rear, underfloor; also integral with door armrests	S	S
Tilt-Wheel™ Adjustable Steering Column	S	S
Windows - power w/driver's Express-Down feature	S	S
Wipers - intermittent	S	S

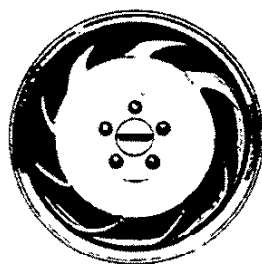
S — Standard. O — Optional. NA — Not available.

POWER TEAM AVAILABILITY

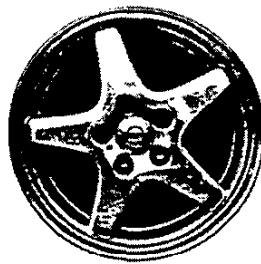
ENGINE	TRANSMISSION	Coupe	Convertible
5.7 Liter V8 with SFI (LT1)	4-speed electronic automatic with overdrive	S	S
5.7 Liter V8 with SFI (LT4)	6-speed manual with overdrive 5th and 6th gears	O*	O*

S — Standard. O — Optional. *Required with Grand Sport (Z16).

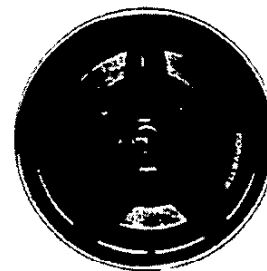
WHEELS



Corvette standard 17" cast-aluminum wheel.



Corvette Collector Edition 17" 5-spoke aluminum wheel painted silver with Collector Edition emblem in center cap.



Corvette Grand Sport 17" 5-spoke aluminum wheel painted black.

WHEEL/TIRE COMBINATIONS

Models	Wheel*	Tire*
Coupe and Convertible	17" x 8.5" aluminum - front	P255/45ZR-17 Z-rated steel-belted blackwall Eagle GSC Performance
	17" x 9.5" aluminum - rear	P285/40ZR-17 Z-rated steel-belted blackwall Eagle GSC Performance

*17" aluminum 5-spoke wheel painted silver on Collector Edition with emblem in center cap. Wheel painted black on Grand Sport (Coupe — 17" x 9.5" front, 17" x 11" rear; Convertible — 17" x 8.5" front, 17" x 9.5" rear). Optional Z51 Performance Handling Package includes front and rear 17" x 9.5" aluminum wheels and P275/40ZR-17 tires. †Grand Sport tires: Coupe — P275/40ZR-17 (front); P315/35ZR-17 (rear); Convertible — P255/45ZR-17 (front), P285/40ZR-17 (rear).

Corvette Options

Corvette features optional Preferred Equipment Groups to help simplify the ordering process. Choose the package containing the equipment the prospect desires, then select from the list of individually available options listed below.

PREFERRED EQUIPMENT GROUPS

DESCRIPTION	PEG	Coupe		Convertible	
		1SA	1SB	1SC	1SD
Base Preferred Equipment Group (refer to Standard Equipment Summary)		X	X	X	X
Electronic air conditioning (with R-134a refrigerant)			X		X
Delco/Bose music system, electronically tuned AM/FM stereo w/seek-scan, digital clock and cassette tape player			X		X
Power driver seat			X		X

INDIVIDUAL OPTIONS

TRANSMISSION		RPO				
6-speed manual (no cost) ¹		MN6	O	O	O	O
TIRES						
Extended Mobility Tires (require UJ6) ²	WY5	O	O	O	O	O
Spare tire delete (requires WY5 tires and UJ6 LTPWS)	N84	O	O	O	O	O
SOUND SYSTEMS						
Delco/Bose music system, electronically tuned AM/FM stereo w/seek-scan, digital clock, and cassette tape and CD players	UIF	O	O	O	O	O
INTERIOR						
Leather adjustable Sport bucket seats (requires AG1 & AG2 seats) ³	AQ9	O	O	O	O	O

1—Requires LT4 engine. 2—Not available with Grand Sport Coupe. 3—Standard with Grand Sport and Collector Edition.

DID YOU KNOW...

The Performance Handling Package (RPO Z51), optional for Corvette Coupe, is a performance-oriented suspension package for the Gymkhana/Autocross enthusiast. Features include:

- Sport Suspension Ride and Handling
- Stiffer springs and bushings, 30-mm front stabilizer bars, and Bilstein shock absorbers
- 17" x 9.5" aluminum wheels with P275/75/40ZR-17 blackwall tires.

NOTE: RPO Z51, when ordered with automatic transmission, requires Performance Ratio Axle (G92).

Corvette Options (contd.)

ADDITIONAL OPTIONS

	PEG	Coupe		Convertible	
		1SA	1SB	1SC	1SD
Axle, performance ratio (req. MX0 trans.)	G92	O	O	O	O
Hardtop, removable ¹ (includes rear-window defogger)	CC2	NA	NA	O	O
Keyless entry, auxiliary remote transmitter	AU0	O	O	O	O
Low-tire-pressure-warning system	UJ6	O	O	O	O
Power seat, 6-way (driver)	AG1	O	X	O	X
Power seat, 6-way (passenger) (req. AG1 power seat)	AG2	O	O	O	O
Roof panel, transparent, removable – blue tint ¹	24S	O	O	NA	NA
Roof panel, transparent, removable – bronze tint ¹	64S	O	O	NA	NA
Roof package (req. 24S or 64S panel)	C2L	O	O	NA	NA
Selective Real Time Damping, electronic (req. AG1 and AG2 power seats)	F45	O	O	O	O
Collector Edition (includes 17" 5-spoke aluminum wheels painted silver, exclusive exterior Sebring Silver, "Corvette" lettering in bright aluminum on front caliper, chrome emblems [front, rear, side and wheel centers] and perforated Sport seats w/Collector Edition embroidery)	Z15	NA	O	NA	O
Grand Sport (req. LT4 engine) (includes 17" 5-spoke aluminum wheels painted black, exclusive exterior Admiral Blue with White center stripe and red hash marks on left front fender, rear flares on Coupe, perforated Grand Sport seat embroidery, chrome emblems on front, rear and front fender sides, unique serial number, "Corvette" lettering in bright aluminum on front caliper, Coupe: P275/40ZR-17 B/W front tires, P315/35ZR-17 B/W rear tires; Convertible: P255/45ZR-17 B/W front tires, P285/40ZR-17 B/W rear tires and black floor mats and carpeting)	Z16	NA	O	NA	O
Performance Handling Package ² (includes non-adjustable Bilstein shocks, stiff springs, stabilizer bars and bushings, 17" x 9.5" wheels and P275/40ZR-17 tires)	Z51	O	O	NA	NA

S — Standard. O — Optional. X — Included in option package. NA — Not available.

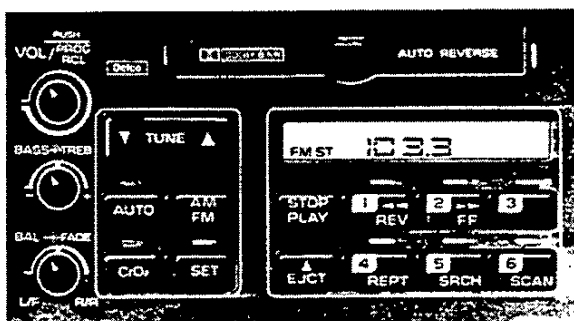
1 — NA with Grand Sport. 2 — With MX0 transmission, requires G92 and AG1 and AG2 power seats.

Corvette Sound Systems

AM/FM STEREO W/CASSETTE TAPE PLAYER (RPO UM6)

Standard on Corvette Coupe and Convertible. Features include:

- Delco Electronics ETR AM/FM stereo with cassette tape player.
- Electronic station seek.
- Digital clock/frequency/operation status display.
- DNR™ (Dynamic Noise Reduction™) button.
- Dolby® B Noise Reduction.
- C_rO₂ tape equalization.
- Music Search for cassette tape player.
- 12 station presets (six AM/six FM).

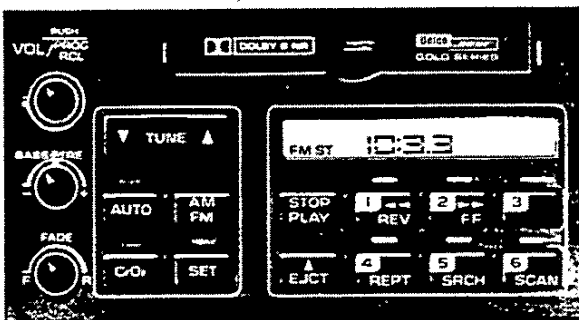


AM/FM stereo with cassette tape player (RPO UM6).

DELCO/BOSE GOLD SERIES AM/FM STEREO MUSIC SYSTEM W/CASSETTE TAPE PLAYER (RPO UUS)

Included with PEGs 1SB and 1SD on Corvette Coupe and Convertible. Features include:

- Delco Electronics ETR radio receiver with 12 station presets (six AM/six FM).
- Electronic station seek.
- Digital clock/frequency/operation status display.
- Cassette tape player with Music Search feature.
- C_rO₂ tape equalization.
- DNR (Dynamic Noise Reduction).
- Optimum speaker placement with six separate speaker enclosures.
- Dual front and dual rear Bose speakers.
- 200 total watts of power.



Delco/Boise Gold Series cassette tape player (RPO UUS).

DELCO/BOSE GOLD SERIES AM/FM STEREO MUSIC SYSTEM W/CASSETTE TAPE PLAYER AND COMPACT DISC PLAYER (RPO U1F)

Optional on Corvette Coupe and Convertible. Features include:

- Delco Electronics ETR radio receiver with 12 station presets (six AM/six FM).
- Electronic station seek.
- Digital clock/frequency/operation status display.
- Cassette tape player.
- Compact disc player.
- Optimum speaker placement with six separate speaker enclosures.
- Patented bass amplifiers/driver, delivering up to 200 watts of total power.
- Separate volume and On/Off controls.
- Dolby® B Noise Reduction.
- Separate bass and treble controls.
- Front-to-rear fade controls.
- Speed-Compensated Volume, which regulates volume proportionate to vehicle speed.

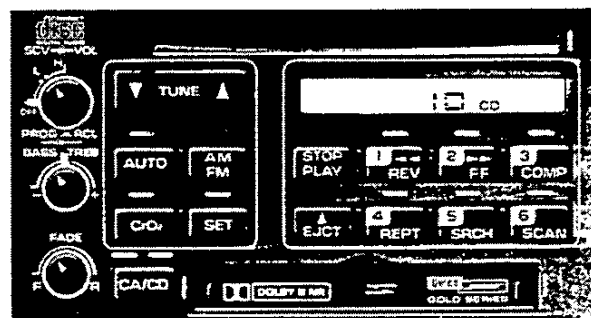
CASSETTE/DISC PLAYER

Cassette player features include:

- Music Search.
- Auto reverse.
- C_rO₂ tape equalization.
- Tape protection when system is turned off.

Compact disc player features include:

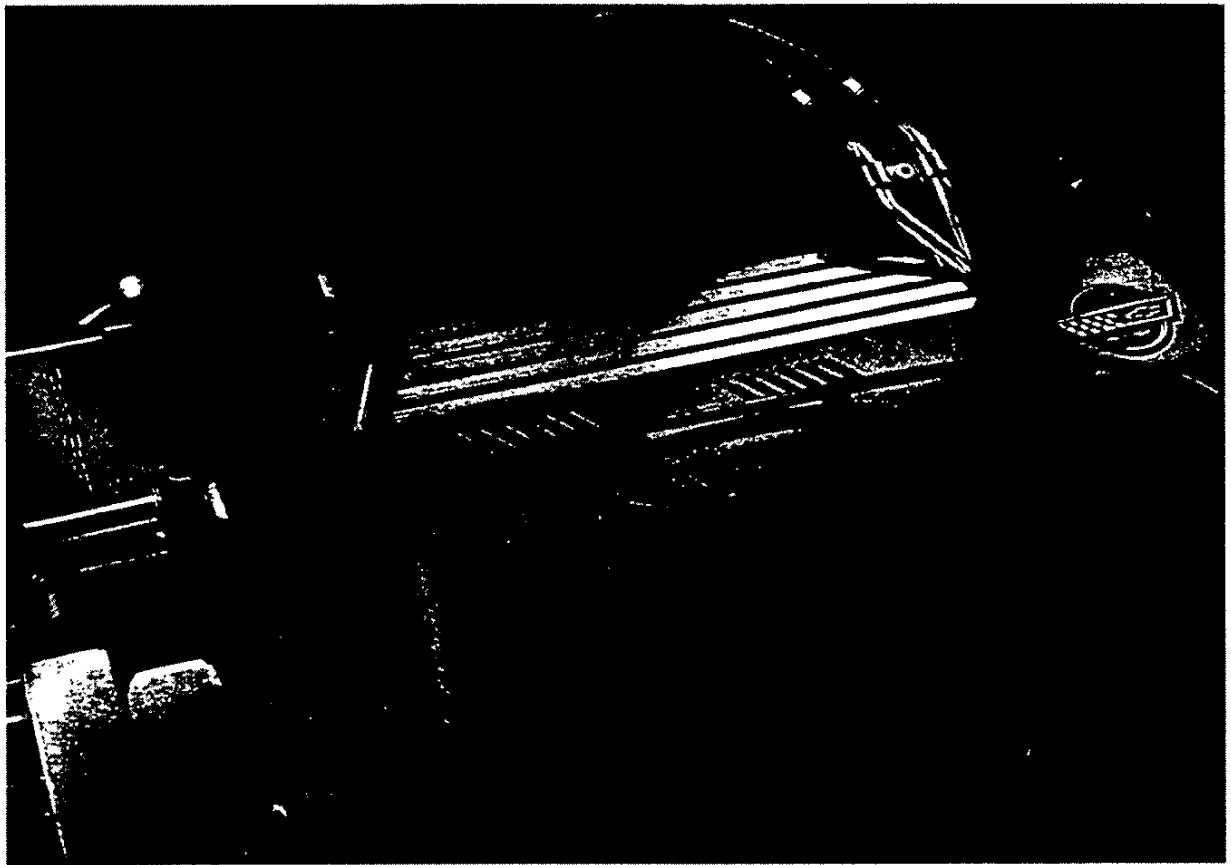
- Music Search.
- Program recall button.
- Track scan.
- Protection circuit provides heat protection for the player's laser diode.



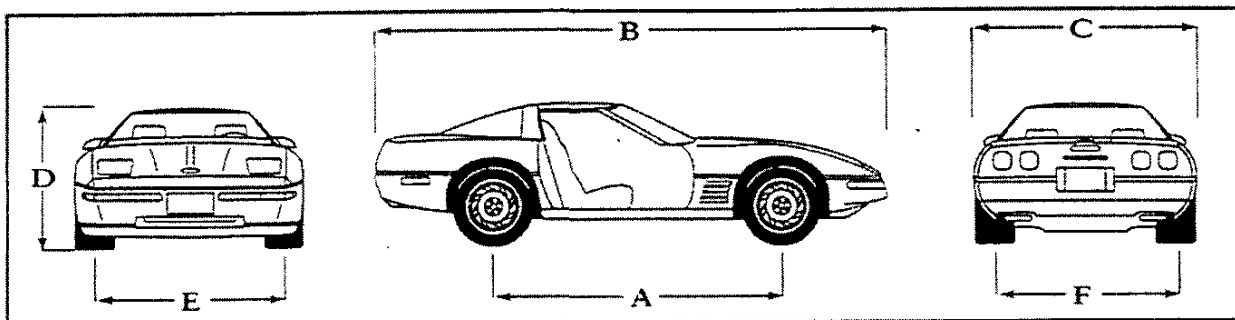
Delco/Boise Gold Series cassette tape/compact disc player (RPO U1F).

Corvette Technical Features

The Triumph of Technical Innovation



Corvette Technical Specifications



MODEL AVAILABILITY

Corvette Coupe, Corvette Convertible

EPA vehicle class

High-Sport

Assembly

Bowling Green, Kentucky

SPECIFICATIONS & DIMENSIONS (inches unless otherwise noted)

Exterior Dimensions	Corvette Coupe	Corvette Convertible
A Wheelbase	96.2	96.2
B Length (Overall)	178.5	178.5
C Width (Overall)	70.7	70.7
D Height (Overall)	46.3	47.3
E Tread — Front	57.7	57.7
F Tread — Rear	59.1	60.6
Front overhang	41.6	41.6
Rear overhang	40.7	40.7
Interior Dimensions		
Head room	36.5	37.0
Leg room	42.0	42.0
Shoulder room	53.9	53.9
Hip room	50.8	49.3
Capacities		
Passenger capacity	2	2
Passenger index (cu. ft.)	NA	NA
Luggage space (cu. ft.)	12.6	6.6*
Fuel tank capacity (gal.)	20.0	20.0
EPA interior index (cu. ft.)	NA	NA
Curb weight (lbs., est.)	3298	3360

*With top up; 4.2 cubic feet with top down.

CHASSIS SPECIFICATIONS

Chassis

Structure/frame

Integral Perimeter Frame/All-Welded-Steel Body Frame Construction

Body material

Fiberglass-Reinforced Plastic

Suspension — Front

Type

Independent SLA Forged-Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Monoleaf Spring, Steel Stabilizer Bar, Spindle Offset

Stabilizer bar/diameter (mm)

Link/24

Suspension — Rear

Type

Independent 5-Link Design with Toe and Camber Adjustment, Forged-Aluminum Control Links and Steering Knuckle, Transverse Monoleaf Spring, Steel Tie-Rods and Stabilizer Bar, Tubular U-Joint Aluminum Driveshafts

Stabilizer bar/diameter (mm)

Link/24

Corvette Technical Specifications (contd.)

STEERING

Type	Power Rack-and-Pinion
Turning diameter curb-to-curb (ft.)	40.0
Turns stop-to-stop	2.25

BRAKES

Type	4-Wheel ABS, Vacuum-Assisted Power, Four-Wheel Vented Disc, Heavy-Duty
Gross lining, front/rear (sq. in.)	33.0/18.4
Effective area, front/rear (sq. in.)	32.4/18.4
Disc rotor outer working diameter, front/rear (in.)	13.0/12.0
Total sweep area, front/rear (sq. in.)	115.5/94.2

ENGINE SPECIFICATIONS

	Standard (requires automatic transmission)	Optional (requires manual transmission)
Type	5.7 Liter (LT1) SFI V8	5.7 Liter (LT4) SFI V8
Block	Cast Iron	Cast Iron
Cylinder head	Cast Aluminum	Cast Aluminum
Hydraulic lifters	Yes/Roller	Yes/Roller
Rocker arms	Stamped Steel	Aluminum Roller Tips
Bore & Stroke (in.)	4.0 x 3.48	4.0 x 3.48
(mm)	101.6 x 88.4	101.6 x 88.4
Cam drive	"Silent" Chain	"Roller" Chain
Redline (rpm)	5700	6300
Displacement (liters/CID)	5.7/350	5.7/350
Compression ratio	10.4:1	10.8:1
Fuel induction	SFI	SFI
Horsepower @ engine rpm	300 @ 5000	330 @ 5800
Torque lb.-ft.	335 @ 4000	340 @ 4500
Exhaust system	Aluminized Stainless Steel	Aluminized Stainless Steel
Tailpipes	Dual	Dual
Ignition system	12-volt opti-spark	12-volt opti-spark
Delcotron alternator rating	140 amp	140 amp
Battery (SAE capacity rating)	525 cca	525 cca
Recommended fuel (unleaded)	91 octane	91 octane

TRANSMISSION SPECIFICATIONS

	Standard (requires LT1 engine)	Optional (requires LT4 engine)
Transmission	4-Speed 4L60-E Electronic Automatic	6-Speed Manual
Type	RWD	RWD
Layout	Longitudinal	Longitudinal
Gear ratios: 1st	3.06	2.64
2nd	1.63	1.78
3rd	1.00*	1.30
4th	0.70*	1.00
5th	—	0.74
6th	—	0.49
Reverse	2.29	2.42
Final-drive ratios	2.59*	3.45

*Converter clutch engagement. 3.07 with G92 performance axle.
See Order Guide for availability and restrictions.

Corvette Technical Specifications (contd.)

LT1 ENGINE — GENERAL

Type and description	90 deg. V Front, Longitudinal
Manufacturer	General Motors Powertrain Division
No. of cylinders	8
Bore	101.6 mm (4.00 in.)
Stroke	88.4 mm (3.48 in.)
Bore spacing (C/L to C/L)	111.8 mm (4.40 in.)
Cylinder block material	Cast iron
Cylinder block deck height	229.4 mm (9.025 in.)
Cylinder block length	506.2 mm (19.93 in.)
Deck clearance (min. above or below block)	.025 Below
Cylinder head material	Aluminum
Cylinder head volume cu.-cm. (cu.-in.)	53.7 (3.28)
Head gasket thickness (compressed)	1.245 mm (.049 in.)
Minimum combustion chamber total volume cu.-cm.	75.175 Combustion chamber with piston at top dead center and all components in place torqued to specifications
Cylinder no. system (front to rear)*	L. Bank 1-3-5-7 R. Bank 2-4-6-8
Firing order	1-8-4-3-6-5-7-2
Intake manifold material	Cast Aluminum
Exhaust manifold material	Cast Iron
Knock sensor (number and location)	2 — One On Each Side Of Cylinder Case
Fuel required	Unleaded
Fuel antiknock index (R + M)/2	91
Engine mounts	
Quantity	2
Material and type	Hydraulic Damper
Added isolation	1 Cross member
Total dressed engine mass (wt.) dry	261.44 kg (576.4 lbs.), Automatic

LT1 ENGINE — PISTONS

Material	Cast Aluminum (Impacted) Coated
----------	---------------------------------

LT1 ENGINE — CAMSHAFT

Location	In Cylinder Block "V" Above Crankshaft
Material	Steel
Drive type	Chain

*Rear of engine — drive takeoff. View from drive takeoff end to determine left and right side of engine.

Corvette Technical Specifications (contd.)

LT4 ENGINE — GENERAL

Type and description	90 deg. V Front. Longitudinal
Manufacturer	General Motors Powertrain Division
No. of cylinders	8
Bore	101.6 mm (4.0 in.)
Stroke	88.4 mm (3.48 in.)
Bore spacing (C/L. to C/L.)	111.8 mm (4.40 in.)
Cylinder block material	Cast Iron
Cylinder block deck height	229.4 mm (9.025 in.)
Cylinder block length	506.2 mm (19.93 in.)
Cylinder head material	Aluminum Alloy
Cylinder head volume cu.-cm. (cu.-in.)	54.4 (3.28)
Head gasket thickness (compressed)	1.245 mm (.049 in.)
Minimum combustion chamber total volume cu.-cm.	73.075 Combustion chamber with piston at top dead center and all components in place torqued to specifications
Cylinder no. system (front to rear)*	L. Bank 1-3-5-7 R. Bank 2-4-6-8
Firing order	1-8-4-3-6-5-7-2
Intake manifold material	Cast Aluminum
Exhaust manifold material	Cast Iron
Knock sensor (number & location)	2 — On Side of Block
Fuel required	Premium Unleaded
Fuel antiknock index (R + M)/2	91
Engine mounts	
Quantity	2
Material and type	Hydraulic
Added isolation	—
Total dressed engine mass (wt.) dry	341.83 kg (753.6 lbs.)

LT4 ENGINE — PISTONS

Material	Aluminum Alloy
----------	----------------

LT4 ENGINE — CAMSHAFT

Location	In Cylinder Block "V" Above Crankshaft
Material	Steel
Drive type	Roller Chain

*Rear of engine — drive takeoff. View from drive takeoff end to determine left and right side of engine. Finished state.

Corvette Technical Specifications (contd.)

LT1 ENGINE — VALVE SYSTEM

Hydraulic lifters	Standard
Valves	
Number intake/exhaust	8/8
Head O.D. intake/exhaust	49.28 mm (1.94 in.) / 38.10mm (1.50 in.)

LT1 ENGINE — CONNECTING RODS

Material	Powdered Metal
Length (axis centerline to centerline)	144.78 mm (5.70 in.)

LT1 ENGINE — CRANKSHAFT

Material	Modular Cast Iron
End thrust taken by bearing (no.)	5
Number of main bearings	5
Seal	Front — Fluroelastomer / One Piece, Lip Seal
	Rear — Fluroelastomer / One Piece, Lip Seal

LT1 ENGINE — LUBRICATION SYSTEM

Normal oil pressure kPa (psi) @ eng. rpm	41 (6) @ 1000	124 (18) @ 2000	165 (24) @ 4000 (Hot)
Type oil intake	Stationary		
Oil filter system	Full Flow		
Capacity of crankcase, less filter refill	3.8L (4.0 qt.)		

LT4 ENGINE — VALVE SYSTEM

Hydraulic lifters	Standard
Valves	
Number intake/exhaust	8/8
Head O.D. intake/exhaust	50.8 mm (2.00 in.) / 39.3 mm (1.55 in.)

LT4 ENGINE — CONNECTING RODS

Material	Powdered Metal
Length (axis centerline to centerline)	144.78 mm (5.7 in.)

LT4 ENGINE — CRANKSHAFT

Material	Forged Steel
End thrust taken by bearing (no.)	5
Length and number of main bearings	5
Seal	Front — Fluroelastomer / One Piece, Lip Seal
	Rear — Fluroelastomer / One Piece, Lip Seal

Corvette Technical Specifications (contd.)

LT4 ENGINE — LUBRICATION SYSTEM

Normal oil pressure kPa (psi) @ eng. rpm	41 (6) @ 1000	124 (18) @ 2000	165 (24) @ 4000 (Hot)
Type of intake	Stationary		
Oil filter system	Full Flow		
Capacity of crankcase, less filter-refill	3.8L (4.0 qt.)		

LT1 AND LT4 — FUEL SYSTEM

Induction type:	Sequential Fuel Injection
Manufacturer	AC/Rochester Products
Fuel Air/Fuel mixture	Preset — no adjustment provided (PCM controlled)
Fuel Injection	
Point of injection	Fuel Injectors at inlet ports (4) (LT1); 4 at ports (LT4)
Constant, pulse, flow	Pulse
Control (electronic, mechanical)	Electronic — on-board computer
System pressure kPa (psi)	300 (43.5)
Air cleaner type	Replaceable paper element
Fuel filter location	Frame-mounted

FUEL PUMP

Type	Electric
Location (eng., tank)	Fuel tank

FUEL TANK

Capacity refill	75.7L (20.0 gallons)
Location	Under rear deck
Attachment	Rests on rear frame extension, held with straps
Material	Super-terne-coated steel with high-density polyethylene liner*
Filler pipe	
Location	Center of rear deck
Connection to tank	Bolted with gasket on top of tank
Fuel line (material)	Super-terne-coated steel
Fuel hose (material)	Viton
Return line (material)	Super-terne-coated steel
Vapor line (material)	Super-terne-coated steel

*13.600 kg (30.0 lbs.).

DID YOU KNOW...

The key differences between the LT1 and LT4 engines are as follows:

	LT1	LT4
■ Horsepower	300 @ 5000 rpm	330 @ 5800 rpm
■ Torque	335 @ 4000 rpm	340 @ 4500 rpm
■ Compression Ratio	10.4:1	10.8:1
■ Rocker Arms	Stamped steel	Aluminum roller tips
■ Redline (rpm)	5700	6300
■ Transmission availability	4-speed automatic only	6-speed manual only

Corvette Technical Specifications (contd.)

LT1 ENGINE — COOLING SYSTEM

Coolant recovery system	Standard
Coolant fill location	Bottle, coolant recovery
Radiator cap relief valve pressure kPa (psi)	103 (15)
Circulation	
Type	Choke
Thermostat starts to open @ degrees C (F)	82 (180)
Coolant Pump	
Type	Centrifugal
GPM @ 1000 pump rpm	13
Number of pumps	1
Drive (V-belt, other)	Gear driven
Bearing type	Sealed double-row ball
Impeller material	Steel
Housing material	Cast aluminum
Bypass recirculation type	Internal
Cooling system capacity, liter (qt.)	8.89 (9.39), automatic transmission
Water jacket full length of cylinder	Yes
Water all around cylinder	Yes
Water jackets open at head face	No
Radiator Core	
Std., A/C, HD	A/C, standard
Type	Cross-flow
Construction	Fin and Tube
Material, mass kg (wgt., lbs.)	Aluminum header tubes and fins, plastic tanks, 4.5360 (10.0)
Width	600 mm (23.6 in.)
Height	438 mm (17.24 in.)
Thickness	235 mm (0.93 in.), Automatic
Fins per inch	16.9 fpi
Radiator end tank material	Plastic
Fan	
Standard, electric, optional	Electric, standard
Number of blades and type (flex, solid, material)	5 blades, high-efficiency curved blades and ring shroud, plastic
Number and location	2 fans, rear of radiator
Diameter and projected width	299.0 mm (11.8 in.)
Fan cutout type	Temperature switch
Drive type	Direct
RPM at idle (elec.)	2100
Motor rating (wattage/elec.)	150W-2200RPM
Motor switch (type and location/elec.)	Temperature switch located on A/C liquid line
Switch point (temp./pressure/elec.)	Pressure transducer
Fan shroud (material)	Plastic ring shroud

Corvette Technical Specifications (contd.)

LT4 ENGINE — COOLING SYSTEM

Coolant recovery system	Standard
Coolant fill location	Bottle, coolant recovery
Radiator cap relief valve pressure kPa (psi)	103 (15)
Circulation	
Type	Choke
Thermostat starts to open @ degrees C (F)	82 (180)
Coolant Pump	
Type	Centrifugal
GPM @ 1000 pump rpm	13
Number of pumps	1
Drive (V-belt, other)	Single-belt poly "V" accessory drive (serpentine)
Bearing type	Sealed double row-ball
Impeller material	Steel
Housing material	Cast aluminum
Bypass recirculation type	Internal
Cooling system capacity, liter (qt.)	9.09 (9.61), manual transmission
Water jacket full length of cylinder	Yes
Water all around cylinder	Yes
Water jackets open at head face	No
Radiator Core	
Std., A/C, HD	A/C, standard
Type	Cross-flow
Construction	Fin and tube
Matl., mass kg (wgt., lbs.)	Aluminum header, tubes and fins, plastic tanks, 4.5360 (10.0)
Width	599.5 mm (23.6 in.)
Height	438 mm (17.24 in.)
Thickness	34 mm (1.34 in.)
Fins per inch	3.0 fpi
Radiator end tank material	Plastic
Fan	
Standard, electric, optional	Electric, standard — two required
Number of blades and type (flex, solid, material)	5 blades, high-efficiency curved blades and ring shroud, plastic
Number and location	2 fans, rear of radiator
Diameter and projected width	299 mm (11.8 in.)
Fan cutout type	Temperature switch
Drive type	Direct
RPM at idle (elec.)	2100
Motor rating (wattage/elec.)	150W-2200 RPM
Motor switch (type and location/elec.)	Temperature switch located on A/C liquid line
Switch point (temp./pressure/elec.)	Pressure transducer
Fan shroud (material)	Plastic ring shroud

Corvette Technical Specifications (contd.)

SUSPENSION — GENERAL INCLUDING ELECTRONIC CONTROLS

Shock Absorber	
Standard/optional/not available	Optional
Manual/automatic control	Manual 3/6 automatic settings within each manual setting
Damping controls	
Number of damping rates	18
Type of actuation	Manual selection and speed control with electric motors
Shock Absorber (front and rear)	
Type	All: monotube, gas-charged
Make	Bilstein
Piston diameter	46 mm (1.81 in.)
Rod diameter	10 mm (0.393 in.)

SUSPENSION — FRONT

Type and description	
Travel	
Full jounce (define load condition)	88 mm (3.46 in.), metal to metal
Full Rebound	91.0 mm (3.58 in.)
Spring	
Type	Monoleaf, filament wound composite — epoxy composite
Insulators (type and material)	Pivot; teflon-filled nylon and aluminum enclosed in rubber
Size (Leaf: length and width; Coil: design height and i.d.; Bar: length and diameter)	Leaf: 1152 mm (45.4 in.) x 115 mm (4.53 in.) Coil and Bar — not applicable
Spring rate N/mm (lb./in.)	Coupe 60 (343), Convertible 73.2 (418), F45 60.0 (343), FE7 90.1 (515)
Suspension	
Rate @ wheel N/mm (lb./in.)	Coupe 25.5 (130), Convertible 25.7 (147), F45 22.8 (130), FE7 29.4 (168)
Type	Link
Stabilizer	
Material and O.D. bar/tube, wall thickness	Base 24 mm (0.94 in.) dia. tube, 3.6 mm (0.14 in.) wall, FE7 30 mm (1.18 in.) Bar

SUSPENSION — REAR

Type and description	
Travel	
Full jounce (define load condition)	86 mm (3.39 in.), metal to metal
Full rebound	Base and Convertible — 78.0 mm (3.07 in.), Z07 — 71.0 mm (2.8 in.)
Type (coil, leaf, other and material)	Monoleaf, filament wound glass — epoxy composite
Size (Leaf: length and width; Coil: design height and i.d.; Bar: length and diameter)	Leaf 1186 mm (46.7 in.) x 89 mm (3.50 in.) Coil and bar — not applicable
Spring	
Spring Rate N/mm (lbs./in.)	Coupe 26.0 (149), Convertible 39.9 (228), F45 26.0 (149), FE7 57.2 (327)
Rate @ wheel N/mm (lbs./in.)	Coupe 20.2 (116), Convertible 27.1 (135), F45 20.2 (116), FE7 35.5 (203)

Corvette Technical Specifications (contd.)

Insulators (type and material)	Dual rubber polyurethane
If leaf	
No. of leaves	Monoleaf
Shackle (comp or tens)	Tension
Type	Link
Stabilizer	
Material and O.D. bar/tube, wall thickness	Base & FE7 24 mm (0.94 in.) dia. tube, 3.6 mm (0.14 in.) wall

FRONT COMPARTMENT

COUPE/CONVERTIBLE

All linear dimensions are in millimeters (inches)

Effective head room	927 mm (36.5 in.) / Convertible 941 mm (37.0 in.)
Maximum effective leg room (accelerator)	1068 mm (42.0 in.)
Back angle (degree)	28.0
Hip angle (degree)	95.5
Knee angle (degree)	125.5
Foot angle (degree)	87.0
Design H-point front travel	165.0 mm (6.5 in.)
Normal driving and riding seat track travel	147 mm (5.8 in.)
Shoulder room	1368 mm (53.9 in.)
Hip room	1253 mm (49.3 in.)
Upper body opening to ground*	1091 mm (42.9 in.)
Steering wheel maximum diameter	380 mm (15.0 in.)
Steering wheel angle (degree)	18.4
Undepressed floor covering thickness	24 mm (0.9 in.)

LUGGAGE COMPARTMENT

Usable luggage capacity (cu. ft.)	12.6 / 6.6
Liftover height*	898 mm (35.4 in.)

RESTRAINT SYSTEM

Seating Position	Left	Right
Active — First seat	3-Point Active Lap and Shoulder Belt	3-Point Active Lap and Shoulder Belt
Passive — First seat	Air Bag standard	Air Bag standard

*EPA loaded vehicle weight, loading conditions.



SECTION 0A

GENERAL INFORMATION

CONTENTS

Supplemental Inflatable Restraint (SIR)		Side Door, Console Door and Rear	
Handling	0A-1	Floor Compartment	0A-7
When to Disconnect the Negative Battery		Assembling and Coding Lock Cylinders	0A-7
Cable	0A-1	Lock Cylinders Except Console Door	
Handling Electrostatic Discharge (ESD)		and Rear Floor Compartment	0A-7
Sensitive Parts	0A-1	Console Door and Rear Floor	
Special Tool Ordering Information	0A-2	Compartment Lock Cylinders	0A-8
Vehicle Identification Number Plate	0A-2	Metric Fasteners	0A-8
Removable Roof Panel (Plastic) VIN		Fastener Strength Identification	0A-9
Identification	0A-2	Prevailing Torque Fasteners	0A-10
Engine Identification	0A-3	Recommendations for Reuse	0A-10
Transmission Identification	0A-3	Replacement Labels	0A-10
General Vehicle Lifting and Jacking	0A-4	Production and Process Codes	0A-11
Rear Spindle Support Protector Sleeve	0A-6	Service Parts Identification Label	0A-12
Lock Cylinder Coding	0A-6	English/SI Metric Conversion Table	0A-12
Key Identification and Usage	0A-6	Decimal and Metric Equivalents	0A-12
Cutting Keys	0A-7	Abbreviations and Symbols	0A-16
Replacement Lock Cylinders	0A-7		

SUPPLEMENTAL INFLATABLE RESTRAINT (SIR) HANDLING

CAUTION: This vehicle is equipped with Supplemental Inflatable Restraint (SIR). Refer to **CAUTIONS** in Section 9J under "ON-VEHICLE SERVICE" and the SIR Component and Wiring Location view in Section 9J before performing service on or around SIR components or wiring. Failure to follow **CAUTIONS** could result in possible air bag deployment, personal injury, or otherwise unneeded SIR system repairs.

SIR identification includes:

- Steering wheel hub marked Inflatable Restraint, SIR, or Air Bag.
- Inflatable restraint ("INFL REST"), or Air Bag warning lamp on driver information center.
- A code "2", "3", or "5" as the seventh digit of the vehicle identification number (passenger vehicles only).

WHEN TO DISCONNECT THE NEGATIVE BATTERY CABLE

CAUTION: Before removing or installing any electrical unit or when a tool or equipment could easily come in contact with "live" exposed electrical terminals, disconnect the negative battery cable to help prevent personal injury and/or damage to the vehicle or components. Unless instructed otherwise, the Ignition switch must be in the "OFF" or "LOCK" position.

HANDLING ELECTROSTATIC DISCHARGE (ESD) SENSITIVE PARTS

Figure 1

Many solid state electrical components can be damaged by Electrostatic Discharge (ESD). Some will display a label as shown in Figure 1 but many will not.

NOTICE: In order to avoid possibly damaging any components, observe the following:

0A-2 GENERAL INFORMATION

1. Body movement produces an electrostatic charge. To discharge personal static electricity, touch a ground point (metal) on the vehicle. This should be done any time you:
 - Slide across the vehicle seat.
 - Sit down or get up.
 - Do any walking.
2. Do not touch exposed electric terminals on components or connectors with your fingers or any tools. Remember the connector you are checking might be tied into a circuit that could be damaged by electrostatic discharge.
3. When using a screwdriver or similar tool to disconnect a connector, never let the tool come in contact with or come between the exposed terminals.
4. Never jumper, ground or use test equipment probes on any components or connectors unless specified in diagnosis. When using test equipment, always connect the ground lead first.
5. Do not remove the solid state component from its protective packaging until you are ready to install the part.
6. Always touch the solid state component's package to a ground before opening. Solid state components can also be damaged if:
 - They are bumped or dropped.
 - They are laid on any metal work benches or components that operate electrically, such as a radio, TV or oscilloscope.

Some components that can be damaged by ESD

are:

- Central Control Module (CCM)
- Chime Module
- Cruise Control Module
- Diagnostic Energy Reserve Module (DERM)
- Electronic Brake and Traction Control Module (EBTCM)
- Electronic Ignition (EI) System Module
- Electronic (digital) Instrument Clusters
- Heater-Vent-Air Conditioning (HVAC) System (RPO C68)
- Low Tire Pressure Warning System (LTPWS) Module
- Passive Keyless Entry (PKE) Module
- Powertrain Control Module (PCM)
- Radio
- Real Time Damping (RTD) Module

SPECIAL TOOL ORDERING INFORMATION

Special service tools that are shown in this service manual that have tool product numbers beginning with "J" or "BT" are available for world wide distribution from:

Kent-Moore SPX Corporation
29784 Little Mack
Roseville, MI 48066-2298
1-800-345-2233
Mon.-Fri. 8:00 a.m. - 8:00 p.m. EST Telex:
244040 KMTR UR
FAX: 1-800-578-7375

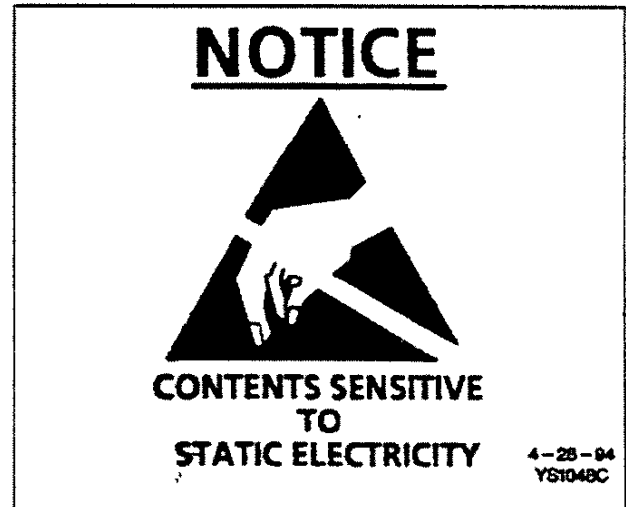


Figure 1 - Electrostatic Discharge Sensitive Parts Label

VEHICLE IDENTIFICATION NUMBER PLATE

Figures 2 and 3

The Vehicle Identification Number (VIN) plate (Figure 2) is the legal identifier of the vehicle.

The plate is located on the left upper corner of the instrument panel and can be seen through the windshield from outside the vehicle. Figure 3 identifies the numbers and letters that appear on the plate.

The last five digits of the plant sequential number are also stamped into the rear side of the front sill (tie bar). This number is the same as the last five digits of the VIN. This plate also has bar code characteristics.

REMOVABLE ROOF PANEL (PLASTIC) VIN IDENTIFICATION

Figure 3

A VIN identification is stamped on the left or right front of the roof panel frame. The numbers are similar to the VIN plate (Figure 3):

1-Chevrolet division (VIN#3)

T-1996 model year (VIN#10)

5-Bowling Green manufacture (VIN#11)

Positions four through nine represent the assembly plant sequential number for the vehicle.

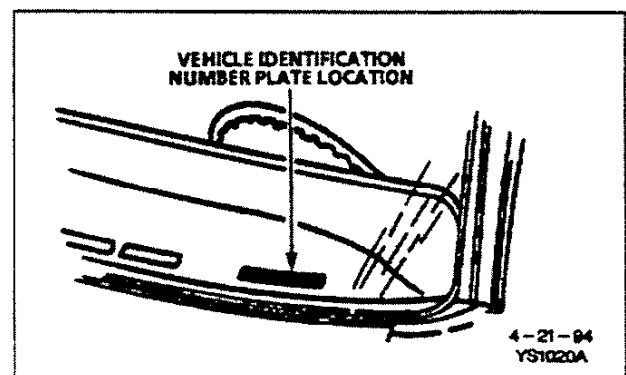


Figure 2 - Vehicle Identification Number Plate Location

ENGINE IDENTIFICATION**Figures 3 and 4**

The engine code letter is the eighth digit on the vehicle identification number (Figure 3) which identifies the engines as a 5.7L V8 (VIN P) (RPO LT1) or 5.7L V8 (VIN 5) (RPO LT4).

Stick-on labels attached to the engine, laser etching, or stampings in the engine block, indicate the engine unit number or build date code.

The engine is stamped with a partial vehicle identification number (Figure 4). The stamping contains nine positions:

- Position one is the GM division identifier: 1 = Chevrolet
- Position two is the model year: T = 1996

- Position three is the Corvette assembly plant code: 5 = Bowling Green, KY
- Positions four through nine represent the assembly plant sequential number for the vehicle.

TRANSMISSION IDENTIFICATION**Figures 5 and 6**

The identification label for the ZF S6-40 6-speed manual transmission is located on the left side of the transmission case. Refer to Figure 5:

Refer to Figure 6 to identify the model year and serial number for the 4L60-E automatic transmission.

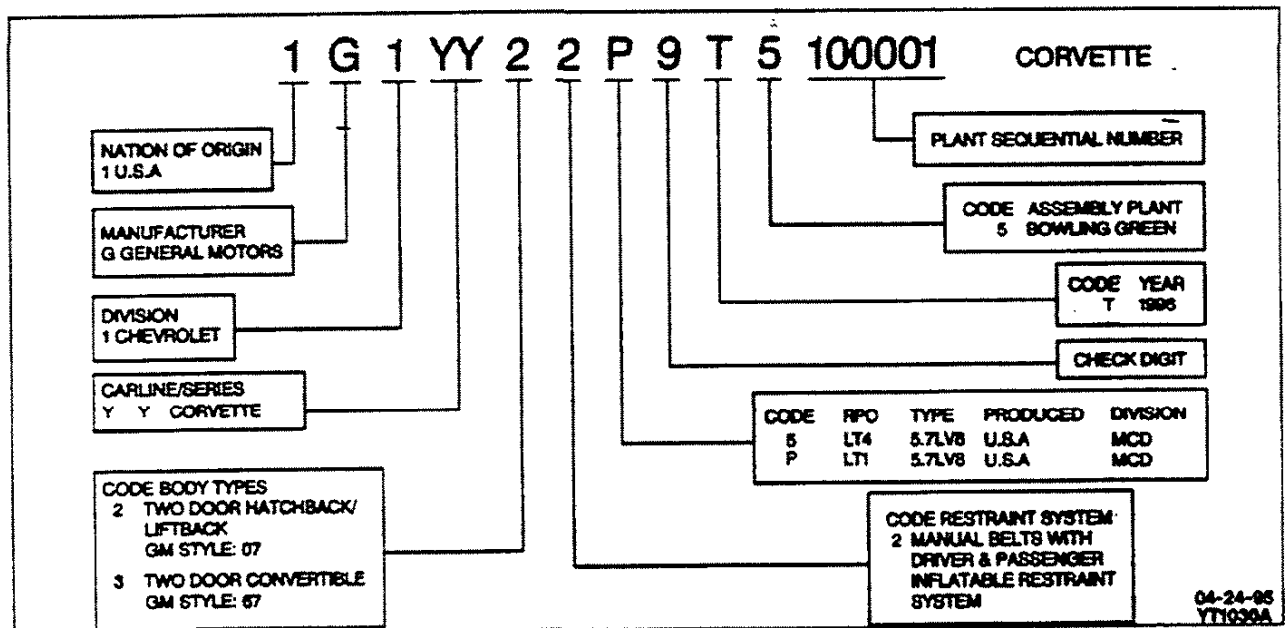


Figure 3 - Vehicle Identification Number Chart

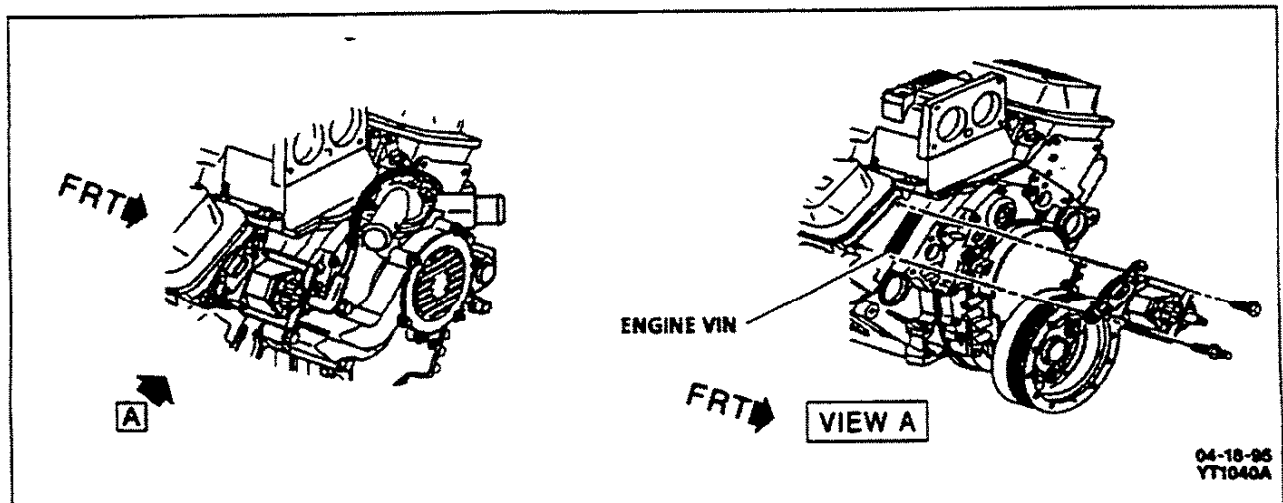


Figure 4 - Engine Identification - VIN P and VIN 5

0A-4 GENERAL INFORMATION

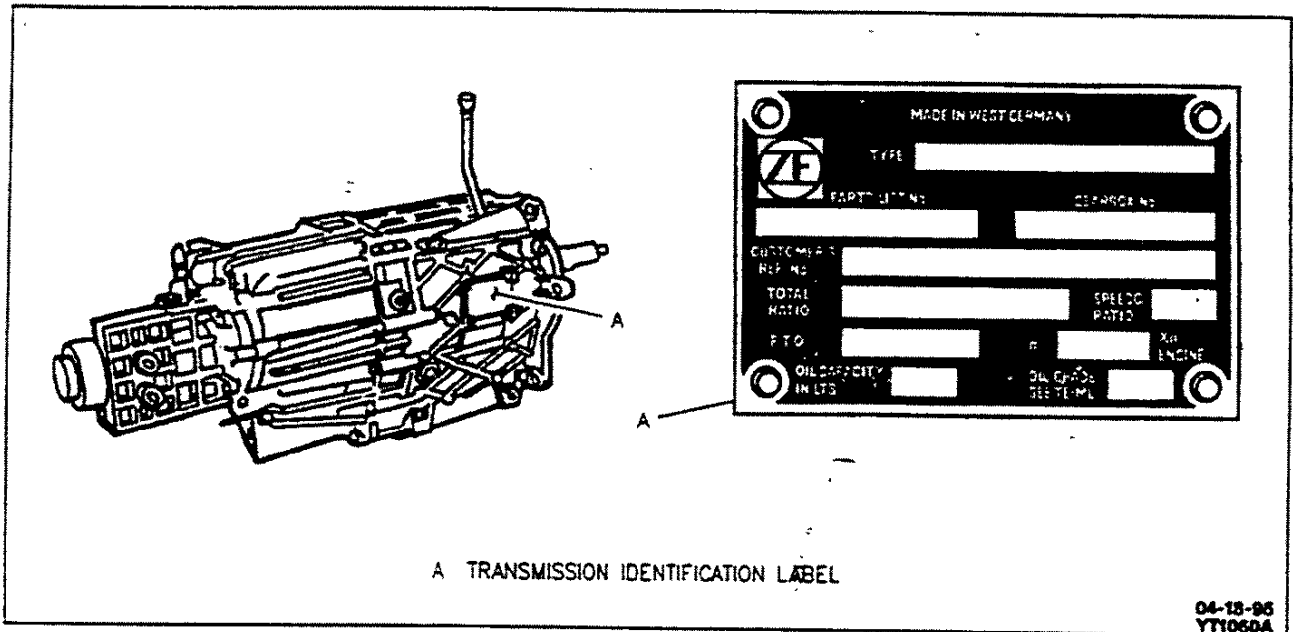


Figure 5 - Manual Transmission Identification

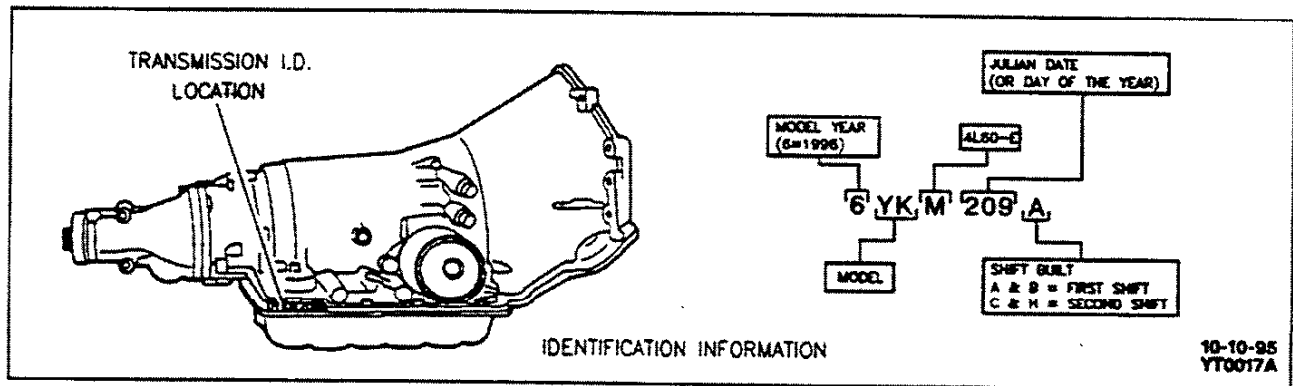


Figure 6 - Automatic Transmission Identification

GENERAL VEHICLE LIFTING AND JACKING

Figures 7 and 8

Various lift points have been established, and are recommended when lifting a vehicle with other than the original equipment jack.

CAUTION: To help avoid personal injury, always use jack stands when working on or under any vehicle that is supported only by a jack.

CAUTION: To help avoid personal injury when a vehicle is on a hoist, provide additional support for the vehicle at the opposite end from which components are being removed. The additional support will reduce the possibility of the vehicle falling off the hoist. When removing major components from the vehicle while the vehicle is on a hoist, the vehicle frame should be chained to the hoist pads at the same end as the removed components to prevent tip-off. Failure to follow these precautionary measures could result in vehicle damage, serious personal injury, or death.

NOTICE: When jacking or lifting a vehicle be certain the lift pads do not contact the ABS brake pipes, cables, fuel lines, exhaust system or underbody as damage could result.

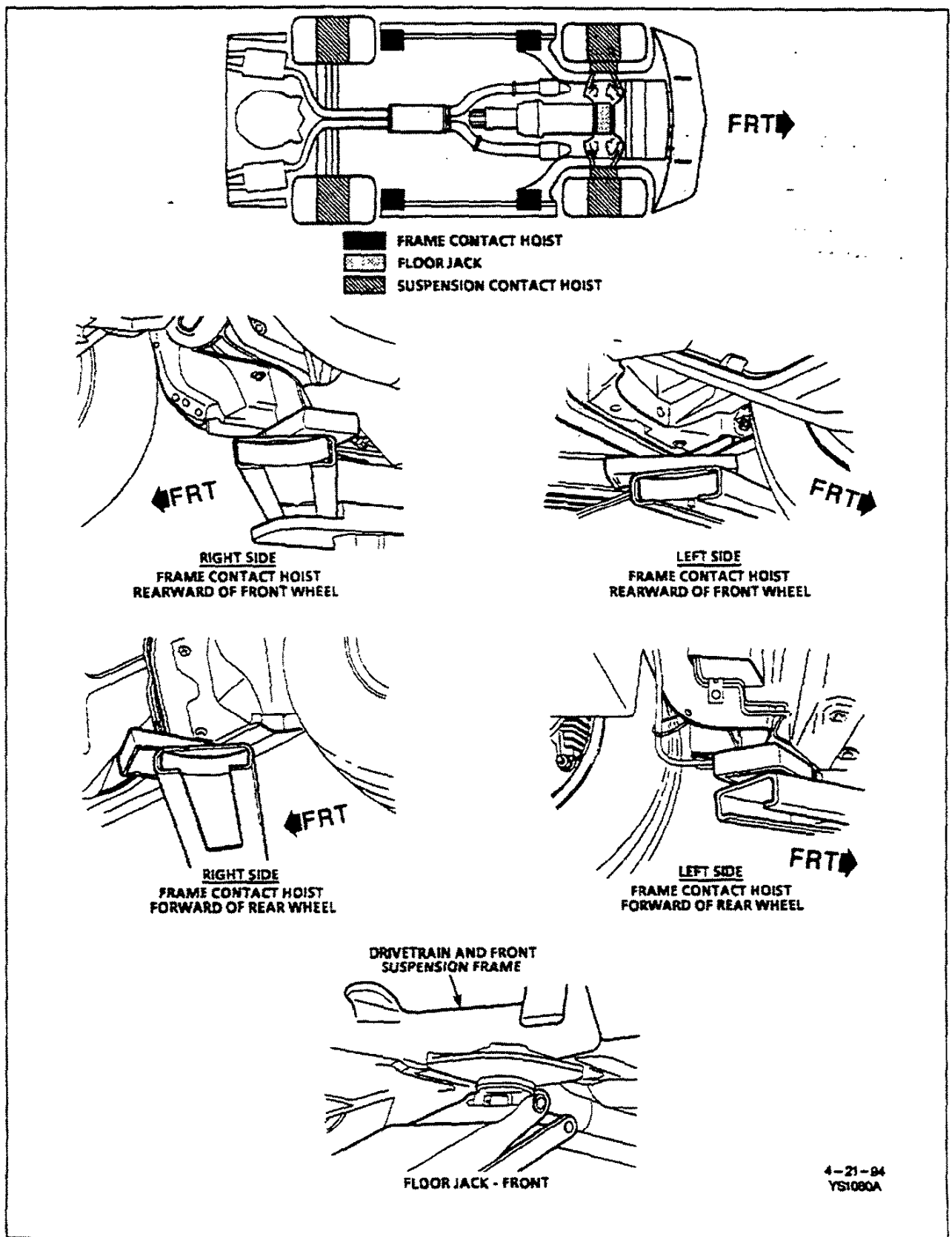


Figure 7 - Vehicle Lift Points (1 of 2)

0A-6 GENERAL INFORMATION

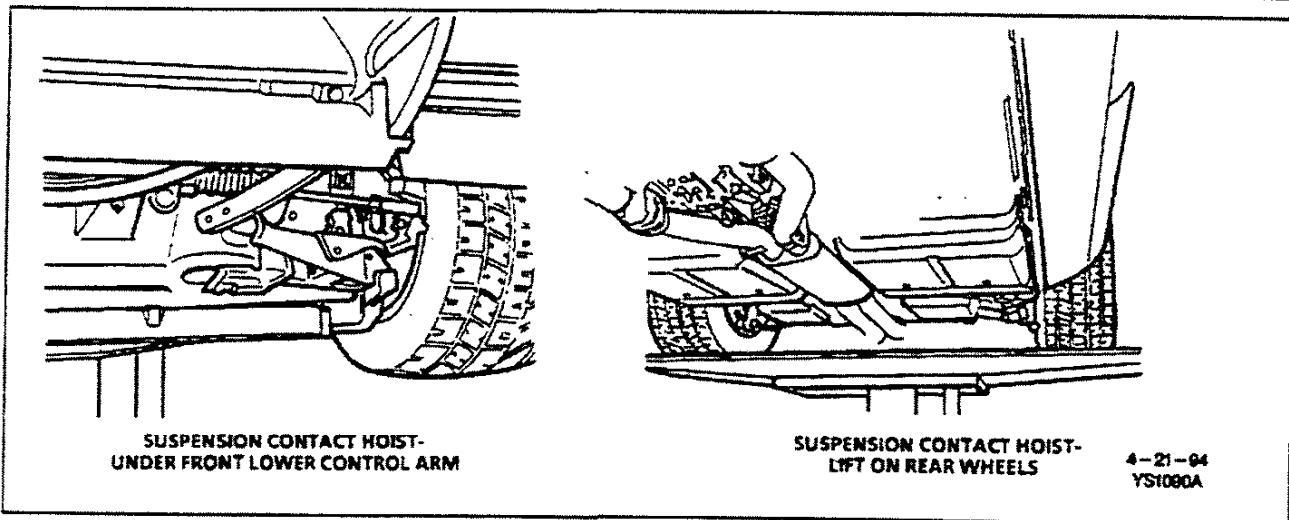


Figure 8 - Vehicle Lift Points (2 of 2)

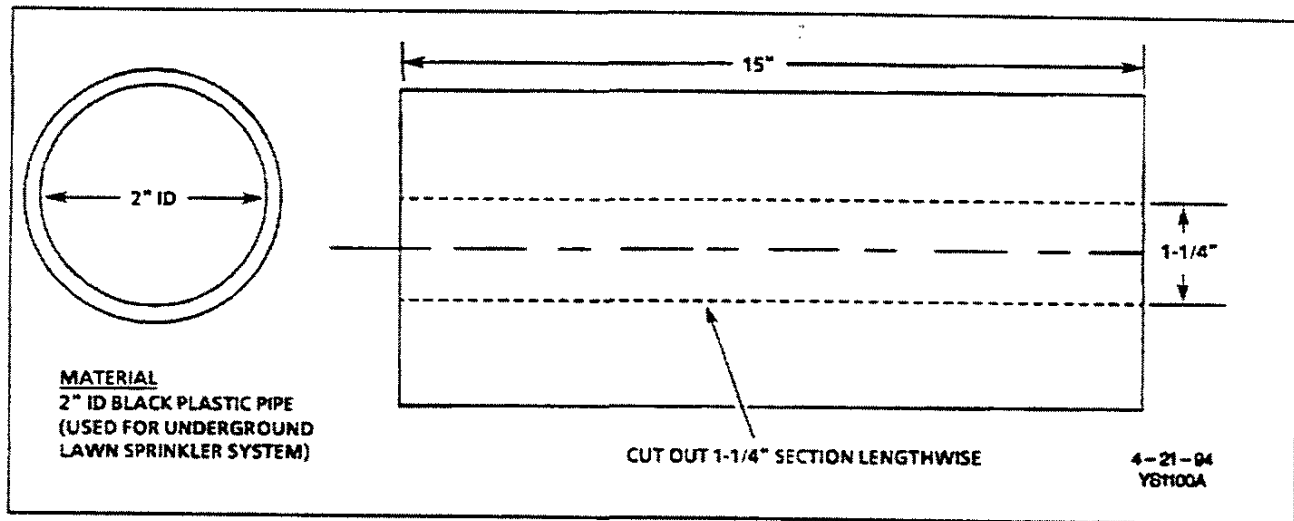


Figure 9 - Support Rod Protector Sleeve

Rear Spindle Support Protector Sleeve

Figure 9

The rear spindle support rods, when properly protected, may be used to support the rear end of the vehicle when using a twin post hoist.

A Protector for the spindle support rods may be fabricated as shown in Figure 9. The protector will prevent surface nicks or gouges where the lifts contact the rods.

LOCK CYLINDER CODING

Key Identification and Usage

The lock cylinder keyway is designed so that other model keys will not enter a current model lock cylinder. Two non-interchangeable keys are used. The square head key is used in the ignition lock cylinder. The oval headed key is used in side doors, console door, and rear floor compartment lock cylinders.

Key identification is obtained from the four-character key code stamped on the knockout

portion of the key head and an identification letter stamped on the key shank. After code numbers have been recorded, plugs should be knocked out of the key head. From these numbers, lock combinations can be determined by use of a code list, which is available to owners of key cutting equipment from equipment suppliers.

If key code numbers are not available from records or from the knockout plug, lock combinations (tumbler numbers and position arrangement) can be determined by laying the key on the key code diagram.



Important

- The mechanical code for the ignition lock cylinder (square key) must be cut on a special key blank designed for use in the Personalized Automotive Security System (PASS-Key®). If all PASS-Key® ignition keys are lost or the ignition lock cylinder or PASS-Key® decoder module is replaced, all PASS-Key® ignition keys should be replaced. Refer to SECTION 8A for diagnosis. Refer to SECTION 9D for service.

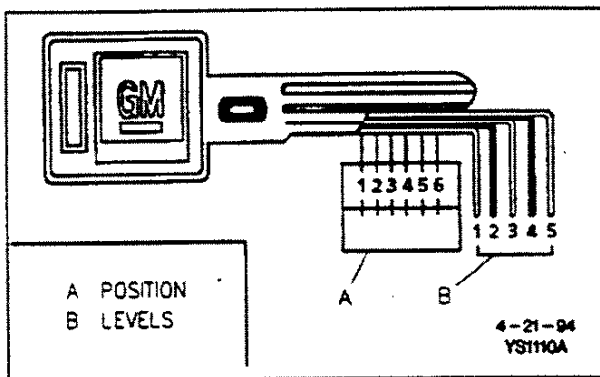


Figure 10 - Key Code Diagram

CUTTING KEYS

Figure 10

After the code has been determined from the code list or the key code diagram (refer to Figure 10), cut a blank key to the proper level of each of the six tumbler positions, and check key operation in lock cylinder.

REPLACEMENT LOCK CYLINDERS

Side Door, Console Door and Rear Floor Compartment

New lock cylinders, other than ignition lock cylinders, are available from the service parts warehouse with new lock cylinder locking bars. Tumblers are also available and must be assembled into cylinder as outlined below.

ASSEMBLING AND CODING LOCK CYLINDERS

Lock Cylinders Except Console Door and Rear Floor Compartment

Figures 11 through 14

Tumblers for all locks, are shaped alike with the exception of a notched position on one side. As key is inserted in lock cylinder, tumblers are lowered to correct height so that notches on each tumbler are at the same level. When the notches on all six tumblers line up, the side bar is pushed into the notches by two small springs; thus allowing cylinder to turn in its bore. Five types of tumblers are used to make various lock tumbler combinations and each is coded according to a number 1 through 5, stamped on its side.

1. Find lock cylinder tumbler numbers and tumbler arrangement by use of numerical key code lock cylinder code list. Code lists are made available to owners of key cutting equipment by equipment suppliers. If code list is not available, proceed as follows:

- A. Lay key on the key code diagram with key outlined by diagram.
 - B. Starting at head of key blade, find and record lowest level (tumbler number) that is visible in position number 1 and subsequent position numbers 2 through 6. After tumbler numbers and arrangement have been determined, assemble as follows:
2. Starting at (head) of cylinder, insert tumblers in their proper slots in the order called by the code.
 3. Pull out side bar with fingers so that tumblers will drop completely into place.

NOTICE: If the springs become tangled, do not pull them apart. Unscrew them or they may be damaged. Insert one tumbler spring in space provided above each number.

4. Insert spring retainer so the two end prongs slide into the slots at either end of cylinder and press retainer down. If tumblers have not been assembled correctly, they can be removed from cylinder by holding cylinder with tumbler slots down, pulling side bar out with fingers and jarring cylinder to shake tumblers out. This procedure is necessary because once the tumblers have been pressed down into the cylinder they are held in their slots by the side bar.
5. To check if tumblers have been installed properly insert key into lock cylinder. If tumblers are installed properly, the side bar will drop down. If bar does not drop down, remove key, spring retainer, springs and tumblers and reassemble.

NOTICE: Use leather or wood at each vise jaw to prevent damage to cylinder.

6. If lock cylinder is assembled properly, remove key and secure cylinder in a vise with spring retainer exposed.
7. Using suitable staking tool, stake spring retainer securely in place by staking cylinder metal over retainer at each end.
8. Lubricate cylinder with multipurpose lubricant, Superlube® GM part number 12346241 or equivalent.

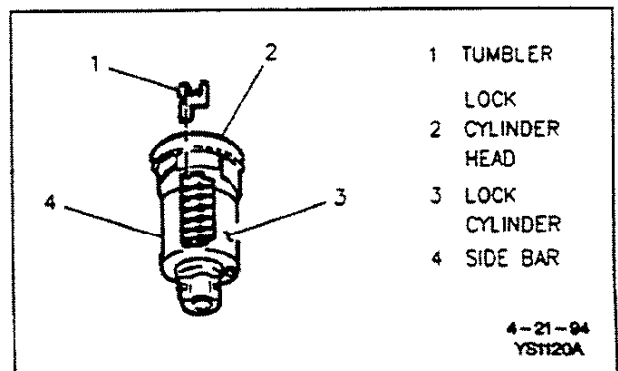


Figure 11 - Lock Cylinder Components

0A-8 GENERAL INFORMATION

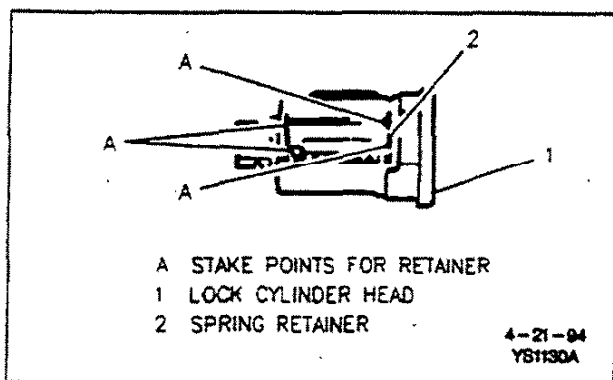


Figure 12 - Installing Spring Retainer

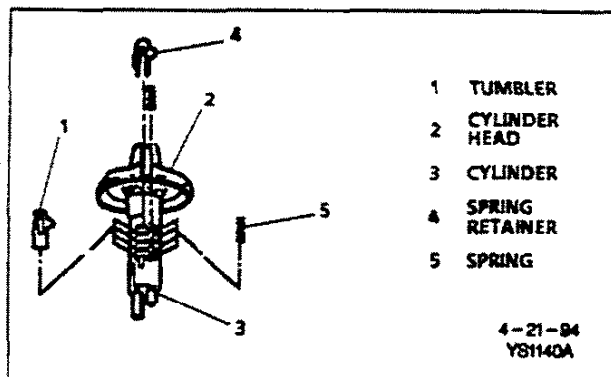


Figure 13 - Installing Tumblers

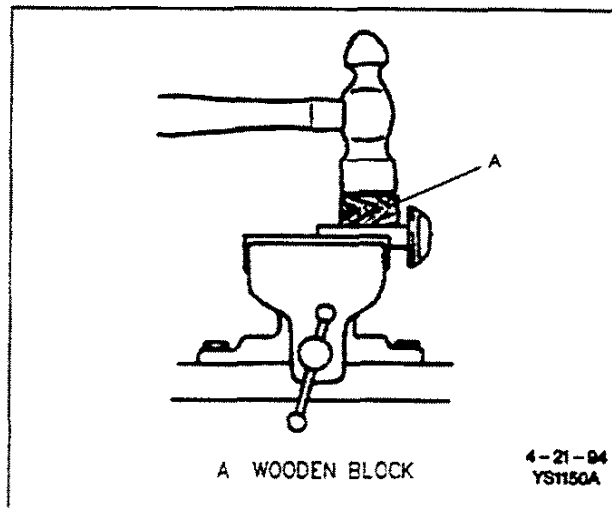


Figure 14 - Locking Tumblers in Place

Console Door and Rear Floor Compartment Lock Cylinders

The lock cylinder has four or five snap-in tumblers. The number 1 or 2 position (closest to cylinder head) is a brass retainer tumbler. The 2 through 5 positions or 3 through 5 positions are standard tumbler positions depending upon cylinder type. Therefore, only these tumbler combinations are required.



Assemble

- Determine tumbler numbers and arrangement as previously described and install tumblers.

METRIC FASTENERS

Figures 15 and 16

NOTICE: Always use the correct Fastener in the correct location. When you replace a fastener, use **ONLY** the exact part number for that application. General Motors will call out those fasteners that require a replacement after removal. General Motors will also call out the fasteners that require thread lockers or thread sealant. **UNLESS OTHERWISE SPECIFIED**, do not use supplemental coatings (paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

The Corvette is primarily dimensioned in the metric system. Most metric fasteners are very close in dimension to well-known fasteners in the English (inch) system. It is important that replacement fasteners be of the correct nominal diameter, thread pitch and strength.

Original equipment metric fasteners (except cross-recess head screws) are identified by a number marking which indicates the strength of the material in the fastener. Metric cross-recess screws are identified by a Posidriv® or Type 1A cross-recess. For best results, use a Type 1A cross-recess screwdriver, or equivalent, in Posidriv® recess head screws.

"General Motors Engineering Standards," along with "North American Industries," have adopted a portion of the standard metric fastener sizes defined by ISO (International Standards Organization). This was done to reduce the number of fastener sizes used, yet retain the best strength qualities in each thread size. For example, the English 1/4-20 and 1/4-28 screws are replaced by the metric M6.0 X 1 screw, which has nearly the same diameter and 25.4 threads per inch.

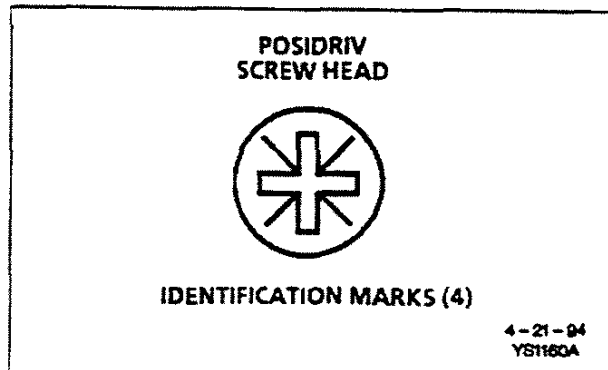


Figure 15 - Cross-Recess Screw

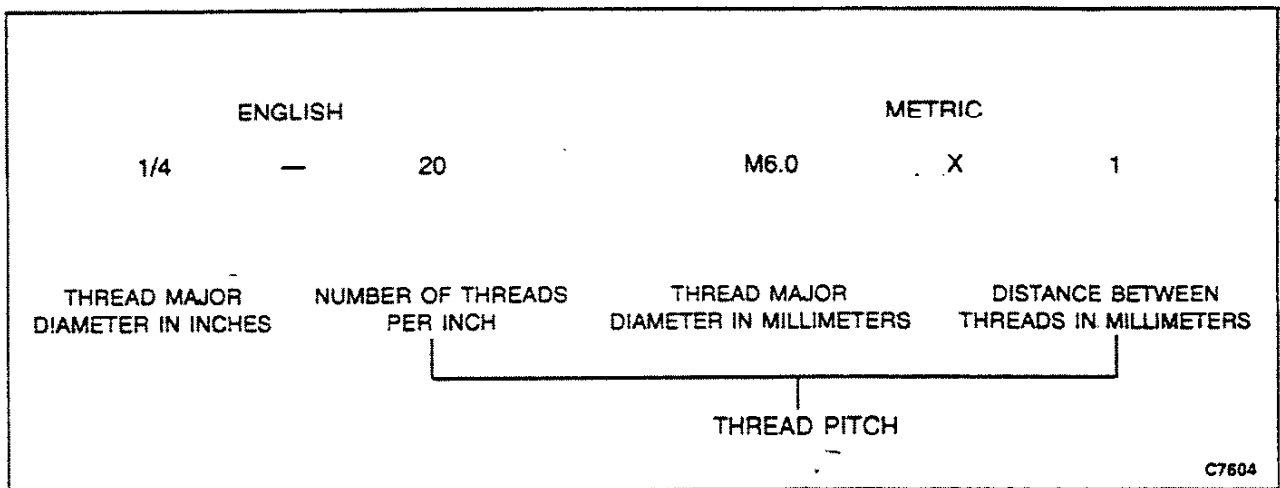


Figure 16 - Thread Notation

The thread pitch is in between the English coarse and fine thread pitches.

Metric and English thread notation differ slightly. The difference is shown in Figure 17.

FASTENER STRENGTH IDENTIFICATION

Figure 17

The most commonly used metric fastener strength property classes are 9.8 and 10.9, with the class identification being embossed on the head of each bolt. English (inch) strength classes range from

grade 2 to grade 8. The number of markings is two lines less than the actual grade (i.e., grade 8 bolt will exhibit 6 embossed radial lines on the bolt head). Some metric nuts will be marked with single digit strength identification numbers on the nut face.

Correct replacement bolts and nuts are available through GM SPO. Many metric fasteners available in the aftermarket parts channels were designed to metric standards of countries other than the United States and may be of a lower strength, may not have the numbered head marking system, and may be of different thread pitch. The metric fasteners used on

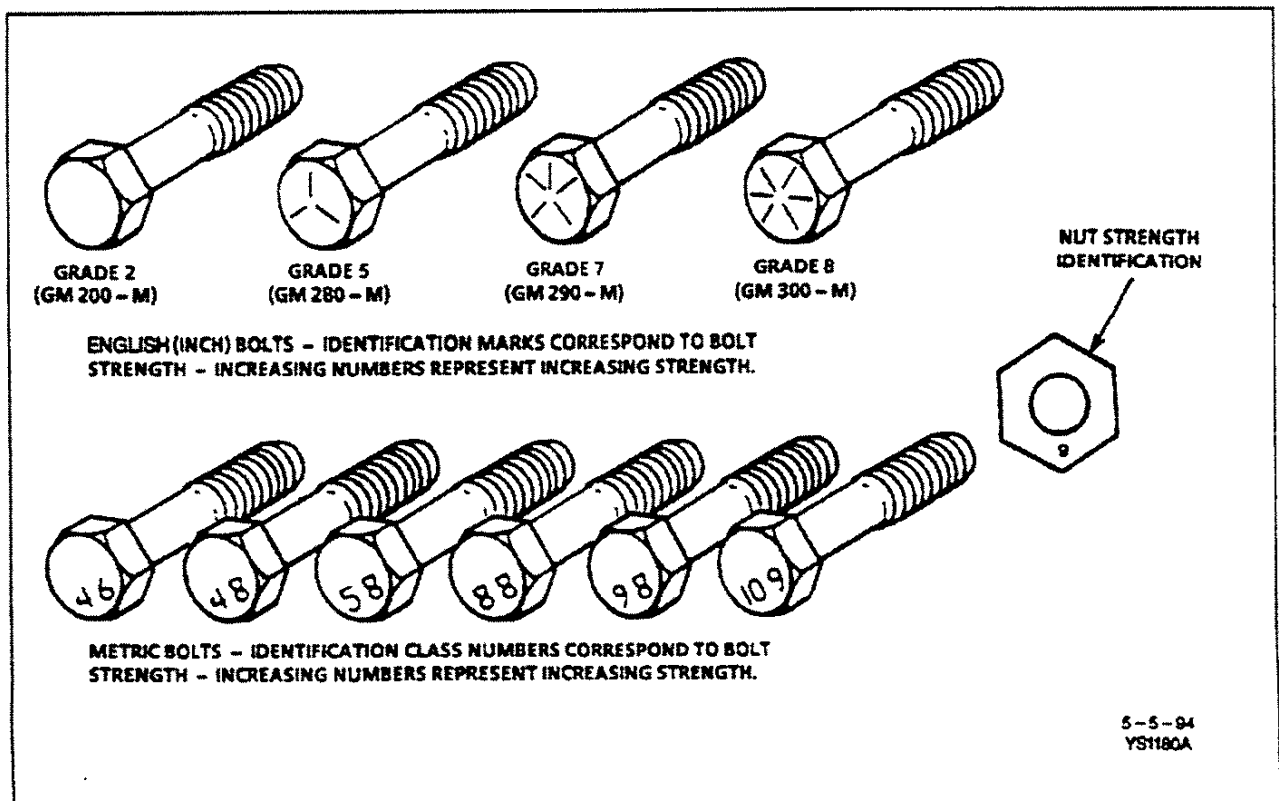


Figure 17 - Fastener Strength Markings

0A-10 GENERAL INFORMATION

GM products are designed to new, international standards that may not yet be manufactured by some non-domestic bolt and nut suppliers. In general, except for special applications, the common sizes and pitches are: M6.0 X 1, M8 X 1.25, M10 X 1.5, and M12 X 1.75.

PREVAILING TORQUE FASTENERS

Figures 18 and 19

A prevailing torque nut is designed to develop an interference between the nut and bolt threads. This is most often accomplished by distortion of the top of an all metal nut, or by using a nylon patch on threads in the middle of the hex flat. A nylon insert may also be used as a method of interference between nut and bolt threads. Refer to Figure 18.

A prevailing torque bolt is designed to develop an interference between bolt and nut threads, or the treads of a tapped hole. This is accomplished by distorting some of the threads, or by using a nylon patch or adhesive. Refer to Figure 19 for additional prevailing torque information.

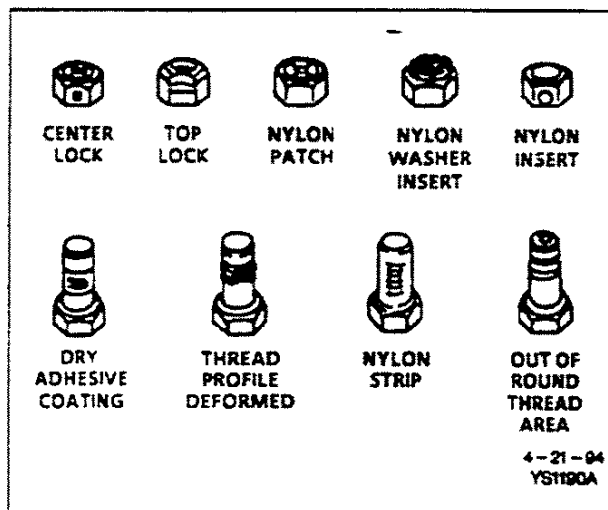


Figure 18 - Prevailing Torque Nuts and Bolts

Recommendations For Reuse

1. Clean, unruined prevailing torque nuts and bolts may be reused as follows:
 - A. Clean dirt and other foreign material from nut or bolt.
 - B. Inspect nut or bolt to assure there are no cracks, elongation, or other signs of abuse or over tightening. (If there is any doubt, replace with a new prevailing torque fastener.)
 - C. Assemble parts and hand start nut or bolt.
 - D. Observe that, before faster seats, it develops torque per the chart in Figure 19. (If there is any doubt, replace with a new prevailing torque fastener.)
 - E. Tighten fastener to torque specified in appropriate section of this manual.
2. Bolts and nuts which are rusty or damaged should be replaced with new parts.

REPLACEMENT LABELS

Replacement labels are available through GM Service Parts Operations for the following:

- Vehicle Emission Control Information (Exhaust Emission Tune Up)
- Spare Wheel Caution
- Jacking
- Spare Tire Storage
- Serpentine Belt Routing (when a separate label)
- Engine Fan Caution
- Jump Start
- Odometer Reset

These and other labels will be found in the Standard Parts Catalog.

The Vehicle Certification Label, Tire Pressure Placard and Service Parts Identification Label are not available as service parts.

FASTENER TYPE	TORQUE UNITS	METRIC-SIZE FASTENERS							
		6	6.3	8	10	12	14	16	20
Nuts and All Metal Bolts/Screws	N•m	0.4	0.4	0.8	1.4	2.2	3.0	4.2	7.0
	Lb. In.	4	4	7	12	19	27	37	62
Adhesive or Nylon Coated Bolts/Screws	N•m	0.4	0.4	0.6	1.2	1.6	2.4	3.4	5.6
	Lb. In.	4	4	5	11	14	21	30	50
FASTENER TYPE	TORQUE UNITS	INCH-SIZE FASTENERS							
		.250	.312	.375	.437	.500	.562	.625	.750
Nuts and All Metal Bolts/Screws	N•m	0.4	0.6	1.4	1.8	2.4	3.2	4.2	6.2
	Lb. In.	4	5	12	16	21	28	37	55
Adhesive or Nylon Coated Bolts/Screws	N•m	0.4	0.6	1.0	1.4	1.8	2.6	3.4	5.2
	Lb. In.	4	5	9	12	16	23	30	49

6-25-94
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Figure 19 - Prevailing Torque Chart

PRODUCTION AND PROCESS CODES

The production and process codes provide the description of the Regular Production Options (RPO) used on a Corvette. The RPO list is printed on the Service Parts Identification Label (Figure 20). The following is a list of regular production options and description.

RPO Description

AG1	Power Seat Adjuster, Driver, 6-Way
AG2	Power Seat Adjuster, Passenger, 6-Way
AK5	Inflatable Restraint System, Front Seat, Driver and Passenger
AQ9	Reclining Seat, Driver and Passenger (Sport Seat)
AR9	Reclining Seat, Driver and Passenger, European Style (Base Seat)
AU0	Lock Control, Remote Entry (2nd Transmitter)
BX1	Special Ornamentation, Exterior Front End (Z16)
B74	Moldings, Wheel Opening, Extra Wide
CC2	Roof, Auxiliary (Convertible)
CC3	Roof Panel, Removable (Transparent)
CF7	Roof Panel, Removable (Nontransparent)
C05	Roof, Convertible Folding
C2L	Roof Package, Dual Removable (consists of CC3 and CF7)
C60	HVAC System, Air Conditioning, Manual Control
C68	HVAC System, Air Conditioning, Electronic Control
DL8	Mirrors, Outside LH/RH Remote Control Electric, Heated
D82	Paint, Special (Z16)
FE1	Suspension System, Soft Ride
FE3	Suspension System, Sport
FE9	Certification, Federal Emission
F45	Chassis, Continuously Variable Real Time Damping
GM1	Axle, Rear, 2.59 Ratio
GM3	Axle, Rear, 3.45 Ratio
G44	Axle, Rear, 3.07 Ratio
G92	Axle, Rear, Performance Ratio
IL3	Trim, Interior Design (L3) (Base w/ AQ9)
IL4	Trim, Interior Design (L4) (Z15)
IL5	Trim, Interior Design (L5) (Z16)
IP3	Trim, Interior Design (P3) (Base w/ AR9)
J55	Brake System, Heavy Duty
KG9	Generator, 140 Amp
K05	Heater, Engine Block (Canadian)
LT1	Engine, Gas, 8-Cylinder, 5.7L, HO (VIN P)
LT4	Engine, Gas, 8-Cylinder, 5.7L, High Output (VIN 5)

RPO Description

ML9	Transmission, Manual 6-Speed, ZF
M30	Transmission, Automatic 4-Speed, 4L60-E, Electronic
NB6	Emission System, California, Tier 1
NF2	Emission System, Federal, Tier 1
NK4	Steering Wheel, Sport Leather
N84	Tire, Spare—Delete
QA1	Wheel, 17 X 9.5", Aluminum, Styled
QA2	Wheel, 17 X 9.5" Front & 17 X 11" Rear, Aluminum, Styled
QB6	Wheel, 17 X 8.5" Front & 17 X 9.5" Rear, Aluminum, Styled
QD2	Wheel, 17 X 8.5" Front & 17 X 9.5" Rear, Aluminum, Styled, Painted
T61	Lighting, Daytime Running (Canadian)
UJ6	Low Tire Pressure Warning System (LTPWS)
UM6	Radio, AM/FM Stereo, Seek/Scan, Auto Reverse Cassette, Clock, ETR
UU8	Radio, AM/FM Stereo, Seek/Scan, Auto Reverse Music Search Cassette, HPS, Clock, ETR
UX0	Speaker System, 6, Dual Floor Sill, Dual Extended Range
UY5	Speaker System, 4, Dual Frt Floor Sill, Dual Extended Range
U1F	Radio, AM/FM Stereo, Seek/Scan, Auto Reverse Music Search Cassette, Compact Disc, HPS, Clock, ETR
U19	Instrument Cluster, Kilometers and Miles (Canadian, Export)
U52	Instrument Cluster, Electronic
U75	Antenna, Power, Radio
V73	Vehicle Statement, U.S./Canadian
WY5	Performance Package, Extended Mobility Tires (EMT) (w/ UJ6)
XAA	Tire, Front, P255/45ZR17
XAU	Tire, Front, P275/40ZR17
XFR	Tire, Front, P255/45ZR17, EMT
YAA	Tire, Rear, P285/40ZR17
YAU	Tire, Rear, P275/40ZR17
YBE	Tire, Rear, P315/35ZR17
YFR	Tire, Rear, P255/45ZR17, EMT
YFS	Tire, Rear, P285/40ZR17, EMT
Z15	Appearance Package, Collectors Edition
Z16	Performance Package, Grand Sport Edition
Z49	Modifications, Canadian, Mandatory Base Equipment
Z51	Performance Package, Handling
O5U	Primary Color, Exterior, Dark Purple (#05)

0A-12 GENERAL INFORMATION

RPO Description

10U	Primary Color, Exterior, Arctic White (#10)
13U	Primary Color, Exterior, Sebring Silver (#13)
14I	Interior Trim, Light Gray
143	Trim Combination, Leather, Light Gray
144	Trim Combination, Leather, Light Gray (Z15)
16T	Top Color, Convertible, Bright White
17P	Wheel Color, Silver (Z15)
19I	Interior Trim, Black
193	Trim Combination, Leather, Black
194	Trim Combination, Leather, Black (Z15)
195	Trim Combination, Leather, Black (Z16)
24S	Roof Panel Color, Removable, Blue
28U	Primary Color, Exterior, Admiral Blue Metallic (#28)
34T	Top Color, Convertible, Beige II
40A	Stripe Color, Accent, White
41P	Wheel Color, Black (Z16)
41T	Top Color, Convertible, Black
41U	Primary Color, Exterior, Black (#41)
43U	Primary Color, Exterior, Bright Aqua Metallic (#43)
45U	Primary Color, Exterior, Polo Green II Metallic (#45)
53U	Primary Color, Exterior, Competition Yellow (#53)
64S	Roof Panel Color, Removable, Bronze
64I	Interior Trim, Light Beige
643	Trim Combination, Leather, Light Beige
70I	Interior Trim, Torch Red
70U	Primary Color, Exterior, Torch Red (#70)
703	Trim Combination, Leather, Torch Red
704	Trim Combination, Leather, Torch Red (Z15)
705	Trim Combination, Leather, Torch Red (Z16)

SERVICE PARTS IDENTIFICATION LABEL

Figure 20

The Service Parts Identification Label (Figure 20) has been developed to aid service and parts personnel in identifying parts, production and process codes. The label also identifies the vehicle identification number, body type style, type of paint, paint color codes and trim combination. The table is located behind the passenger seat on the inside of the rear floor compartment.

ENGLISH/SI METRIC CONVERSION TABLE

Figure 21

Figure 21 provides a conversion table. Divide metric number by conversion number to get english equivalent number. To convert temperature degrees Celsius to degrees Fahrenheit, multiply Celsius number by 1.8 and add 32.

DECIMAL AND METRIC EQUIVALENTS

Figure 22

Refer to Figure 22 for equivalent of fractions to decimals in english (inches), to metric (millimeters).

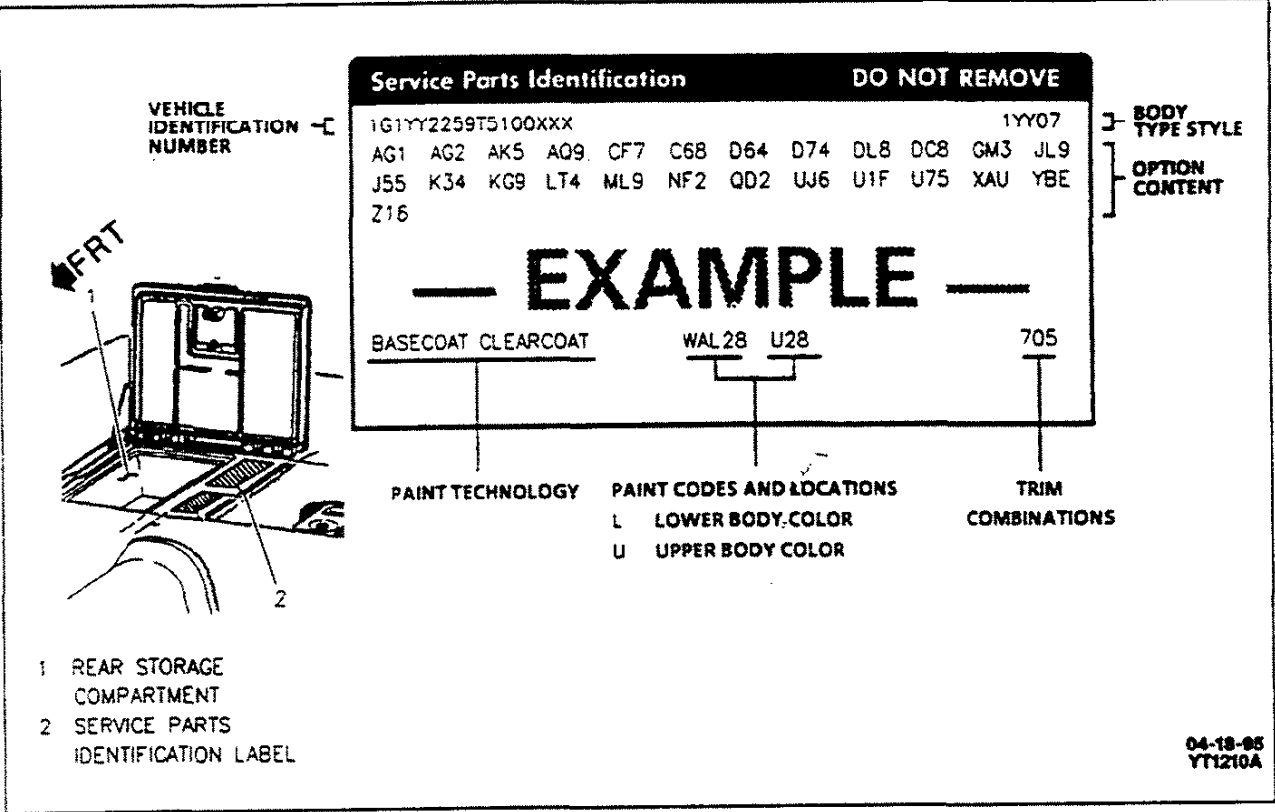


Figure 20 - Service Parts Identification Label

0A-14 GENERAL INFORMATION

Multiply	by	to get equivalent number of:	Multiply	by	to get equivalent number of:
LENGTH			ACCELERATION		
Inch	25.4	Millimeter (mm)	Foot/sec ²	0.3048	meter/sec ² (m/s ²)
Foot	0.3048	meters (m)	Inch/sec ²	0.0254	meter/sec ²
Yard	0.9144	meters			
Mile	1.609	kilometers (km)			
AREA			TORQUE		
Inch ²	645.2	millimeters ² (mm ²)	Pound-inch	0.11298	newton-meters (N•m)
	6.45	centimeters ² (cm ²)	Pound-foot	1.3558	newton1-meters
Foot ²	0.0929	meters ² (m ²)			
Yard ²	0.836.1	meters ²			
VOLUME			POWER		
Inch ³	16387.	mm ³	Horsepower	0.746	kilowatts (kW)
	16.397	cm ³			
	0.0164	liters (L)			
Quart	0.9464	liters			
Gallon	3.7854	liters			
Yard ³	0.7646	meters ³ (m ³)			
MASS			PRESSURE OR STRESS		
Pound	0.4536	kilograms (kg)	Inches of water	0.2491	kilopascals (kPa)
Ton	907.18	kilograms (kg)	Pounds/sq. in.	6.895	kilopascals
Ton	0.907	tonne (t)			
FORCE			ENERGY OR WORK		
Kilogram	9.807	newtons (N)	BTU	1055.	joules (J)
Ounce	0.2780	newtons	Pound-foot	1.3558	joules
Pound	4.448	newtons	Kilowatt-hour	3600000.	joules (J = one W.s)
				or 3.6 x 10 ⁶	
			LIGHT		
			Foot Candle	10.764	lumens/meter ² (lm/m ²)
			VELOCITY		
			Miles/hour	1.609 3	kilometers/hr. (km/h)

TEMPERATURE

To convert Fahrenheit temperature to Celsius temperature, use formula:
°C = 5/9 (°F - 32)

To convert Celsius temperature to Fahrenheit temperature, use formula:
°F = 9/5 (°C + 32)

FUEL PERFORMANCE

235.215 ÷ Miles/gal = liters/100 Kilometers

04-18-95
YT1220

04-18-95
YTT220A

Figure 21 - English/SI Metric Conversion Table

SECTION 0B

MAINTENANCE AND LUBRICATION

CONTENTS

Scheduled Maintenance Service	0B-1	Cassette Deck	0B-9
Normal Vehicle Use	0B-1	Power Antenna	0B-9
Selecting the Right Schedule	0B-1	At Least Twice a Year	0B-9
Short Trip/City Maintenance		Restraint Systems	0B-9
Schedule Definition	0B-1	Manual Transmission	0B-9
Long Trip/Highway Maintenance		Automatic Transmission	0B-9
Schedule Definition	0B-2	At Least Annually	0B-9
Short Trip/City Maintenance Schedule	0B-2	Key Lock Cylinders	0B-9
Footnotes	0B-2	Body Lubrication	0B-9
Long Trip/Highway Maintenance Schedule	0B-5	Starter Switch	0B-10
Footnotes	0B-5	Brake-Transmission Shift Interlock	
Explanation of Scheduled Maintenance		(BTSI)	0B-10
Services	0B-7	Steering Column Lock	0B-10
Engine Oil and Oil Filter Change	0B-7	Parking Brake and Automatic	
Engine Oil Life Monitor	0B-7	Transmission "PARK"	
Chassis Lubrication	0B-7	Mechanism Check	0B-10
Serpentine Drive Belt Inspection	0B-8	Underbody Flushing	0B-10
Cooling System Service	0B-8	Periodic Maintenance Inspections	0B-10
Transmission Service	0B-8	Steering and Suspension Inspection	0B-10
Spark Plug Replacement	0B-8	Tire and Wheel Inspection	0B-10
Spark Plug Wire Inspection	0B-8	Exhaust System Inspection	0B-10
Air Cleaner Filter Replacement	0B-8	Radiator and Heater Hose Inspection	0B-11
Fuel Tank, Cap and Lines Inspection	0B-9	Throttle Linkage Inspection	0B-11
(Owner) Inspections and Other Services	0B-9	Rear Axle Service	0B-11
At Each Fuel Fill	0B-9	Brake Systems Inspection	0B-11
Engine Oil Level Check	0B-9	Recommended Fluids and Lubricants	0B-11
Engine Coolant Level Check	0B-9	Maintenance Items	0B-12
Windshield Washer Fluid Level Check	0B-9	Approximate Fluid Capacities	0B-12
At Least Monthly	0B-9	Specifications	0B-13
Tire Pressure Check	0B-9	Belt Tension Specifications	0B-13
		Tire Pressure Specifications	0B-13
		Fastener Tightening Specifications	0B-13

SCHEDULED MAINTENANCE SERVICE

NORMAL VEHICLE USE

The maintenance instructions contained in the Maintenance Schedules are based on the assumption that the vehicle will be used as designed:

- To carry passengers and cargo within the limitation indicated on the Tire Placard located on the edge of the driver's door.
- On reasonable road surfaces within legal operating limits.
- On unleaded gasoline.

SELECTING THE RIGHT SCHEDULE

Determine which of the two schedules is right for this vehicle. Refer to definitions of maintenance schedules below:

Short Trip/City Maintenance Schedule Definition

Follow this Schedule if any one of these conditions apply to this vehicle:

- Most trips are less than 5 to 10 miles (8 to 16 km). This is particularly important when outside temperatures are below freezing.
- Most trips include extensive idling (such as frequent driving in stop and go traffic).
- Most trips are through dusty areas.
- Frequent trailer towing. Do not exceed trailering limits. Refer to the Owner's Manual for details.
- If the vehicle is used for delivery service, police, taxi, or other commercial application.

One of the reasons this schedule should be followed under any of these conditions is that these conditions cause engine oil to break down sooner.

0B-2 MAINTENANCE AND LUBRICATION

Long Trip/Highway Maintenance Schedule Definition

Follow this maintenance schedule ONLY if none of the conditions from the Short Trip/City Maintenance Schedule is true.

Driving a vehicle with a fully warmed engine under highway conditions causes engine oil to break down slower.

SHORT TRIP/CITY MAINTENANCE SCHEDULE

The services shown in this schedule up to 100,000 miles (166 000 km) should be performed after 100,000 miles (166 000 km) at the same intervals.

Footnotes

† The U.S. Environmental Protection Agency or the California Air Resources Board has determined that the failure to perform this maintenance item will not nullify the emission warranty or limit recall liability prior to the completion of the vehicle's useful life. We, however, urge that all recommended maintenance services be performed at the indicated intervals and the maintenance be recorded.

* This vehicle is equipped with an oil life monitor. Refer to "Engine Oil Life Monitor" in this section for information.

3,000 MILES (5 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

6,000 MILES (10 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

9,000 MILES (15 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

12,000 MILES (20 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

15,000 MILES (25 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

- Inspect air cleaner filter if the vehicle is driven in dusty conditions. Replace filter if necessary. An Emission Control Service.†

- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:

- In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
- In hilly or mountainous terrain.
- Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

18,000 MILES (30 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

21,000 MILES (35 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

24,000 MILES (40 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

27,000 MILES (45 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

30,000 MILES (50 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Replace air cleaner filter. An Emission Control Service.
- Inspect fuel tank, cap and lines for damage or leaks. Inspect fuel cap gasket for any damage. Replace parts as needed. An Emission Control Service.†
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:

- In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
- In hilly or mountainous terrain.
- Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

33,000 MILES (55 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

36,000 MILES (60 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

39,000 MILES (65 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

42,000 MILES (70 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

45,000 MILES (75 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Inspect air cleaner filter if the vehicle is driven in dusty conditions. Replace filter if necessary. An Emission Control Service. †

48,000 MILES (80 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

51,000 MILES (85 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

54,000 MILES (90 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

57,000 MILES (95 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

60,000 MILES (100 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Inspect serpentine drive belt. An Emission Control Service.
- Replace air cleaner filter. An Emission Control Service.
- Inspect fuel tank, cap and lines for damage or leaks. Inspect fuel cap gasket for any damage. Replace parts as needed. An Emission Control Service. †

63,000 MILES (105 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

0B-4 MAINTENANCE AND LUBRICATION

66,000 MILES (110 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

69,000 MILES (115 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

72,000 MILES (120 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

75,000 MILES (125 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Inspect air cleaner filter if the vehicle is driven in dusty conditions. Replace filter if necessary. An Emission Control Service.†

78,000 MILES (130 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

81,000 MILES (135 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

84,000 MILES (140 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

87,000 MILES (145 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

90,000 MILES (150 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:

— In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.

— In hilly or mountainous terrain.

— Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Replace air cleaner filter. An Emission Control Service.
- Inspect fuel tank, cap and lines for damage or leaks. Inspect fuel cap gasket for any damage. Replace parts as needed. An Emission Control Service.†

93,000 MILES (155 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

96,000 MILES (160 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

99,000 MILES (165 000 km)

- Change engine oil and filter (or every 3 months, whichever occurs first). An Emission Control Service. *

100,000 MILES (166 000 km)

- Drain, flush and refill cooling system (or every 60 months since last service, whichever occurs first). Refer to "Recommended Fluids and Lubricants" in this section for what to use. Inspect hoses. Clean radiator, condenser, pressure cap and neck. Pressure test cooling system and pressure cap. An Emission Control Service.†
- Inspect spark plug wires. An Emission Control Service.
- Replace spark plugs. An Emission Control Service.
- If the vehicle has not been used under severe service conditions listed previously and, therefore, has not had an automatic transmission fluid change, change both the fluid and filter.

LONG TRIP/HIGHWAY MAINTENANCE SCHEDULE

The services shown in this schedule up to 100,000 miles (166 000 km) should be performed after 100,000 miles (166 000 km) at the same intervals.

Footnotes

† The U.S. Environmental Protection Agency or the California Air Resources Board has determined that the failure to perform this maintenance item will not nullify the emission warranty or limit recall liability prior to the completion of vehicle useful life. We, however, urge that all recommended maintenance services be performed at the indicated intervals and the maintenance be recorded.

* This vehicle is equipped with an oil life monitor. Refer to "Engine Oil Life Monitor" in this section for information.

7,500 MILES (12 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

15,000 MILES (25 000 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

22,500 MILES (37 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

30,000 MILES (50 000 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:

- In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
- In hilly or mountainous terrain.
- Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Replace air cleaner filter. An Emission Control Service.
- Inspect fuel tank, cap and lines for damage or leaks. Inspect fuel cap gasket for any damage. Replace parts as needed. An Emission Control Service.†

37,500 MILES (62 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

45,000 MILES (75 000 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

0B-6 MAINTENANCE AND LUBRICATION

- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:

- In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
- In hilly or mountainous terrain.
- Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

52,500 MILES (87 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

60,000 MILES (100 000 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Inspect serpentine drive belt. An Emission Control Service.
- Replace air cleaner filter. An Emission Control Service.
- Inspect fuel tank, cap and lines for damage or leaks. Inspect fuel cap gasket for any damage. Replace parts as needed. An Emission Control Service.†

67,500 MILES (112 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

75,000 MILES (125 000 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

82,500 MILES (137 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

90,000 MILES (150 000 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).
- Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:
 - In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher.
 - In hilly or mountainous terrain.
 - Uses such as found in taxi, police or delivery service.

If the vehicle is not used under any of these conditions, change the fluid and filter at 100,000 miles (166 000 km).

Manual transmission fluid doesn't require change.

- Replace air cleaner filter. An Emission Control Service.
- Inspect fuel tank, cap and lines for damage or leaks. Inspect fuel cap gasket for any damage. Replace parts as needed. An Emission Control Service.†

97,500 MILES (162 500 km)

- Change engine oil and filter (or every 12 months, whichever occurs first). An Emission Control Service. *
- Lubricate the suspension, parking brake cable guides, underbody contact points and linkage (or every 12 months, whichever occurs first).

100,000 MILES (166 000 km)

- Drain, flush and refill cooling system (or every 60 months since last service, whichever occurs first). Refer to "Recommended Fluids and Lubricants" in this section for what to use. Inspect hoses. Clean radiator, condenser, pressure cap and neck. Pressure test the cooling system and pressure cap. An Emission Control Service.†
- Inspect spark plug wires. An Emission Control Service.
- Replace spark plugs. An Emission Control Service.
- If the vehicle has not been used under severe service conditions listed previously and, therefore, has not had an automatic transmission fluid change, change both the fluid and filter.

EXPLANATION OF SCHEDULED MAINTENANCE SERVICES

Refer to the Short Trip/City Maintenance Schedule and Long Trip/Highway Maintenance Schedule in this section for time and/or mileage intervals. The following text and illustrations describe the details of the required maintenance services.

The proper fluids and lubricants are listed at the end of this section.

Engine Oil and Oil Filter Change

Figure 1

Corvette engines require a special oil meeting GM Standard 4718M. Oils meeting this Standard may be identified as synthetic, and should also be identified with the American Petroleum Institute Certified For Gasoline Engines "Starburst" symbol. However, not all Synthetic API oils with the "Starburst" symbol will meet this GM Standard. Look for and use only an oil that meets GM Standard 4718M. The correct viscosity is 5W-30, however, if temperatures are above -18°C (0°F) 10W-30 may be used.

(All Corvette engines are filled at the factory with Mobil 1® synthetic oil, which meets all requirements of GM Standard 4718M.)

NOTICE: Oil that does not have the GM standard 4718M designation can cause engine damage not covered by the warranty.

When Changing Oil:

- Replace the oil filter at each oil change.
- Do not use engine oil additives.

- Reset engine oil life monitor after changing oil even if the light was not on.
- Protect the environment. Properly collect used oil for recycling.

Engine Oil Life Monitor

DESCRIPTION

The oil life monitor indicator light will come on when the engine oil needs to be changed, usually between 3,000 miles (5 000 km) and 7,500 miles (12 500 km) after the last oil change. Under severe conditions, the "CHANGE OIL" light may come on before 3,000 miles (5 000 km). The vehicle should not be driven more than 7,500 miles (12 500 km) or twelve months without an oil change.

The system will not detect dust in the oil, so if the vehicle has been driven under dusty conditions, the oil should be changed every 3,000 miles (5 000 km) or sooner if the "CHANGE OIL" light comes on.

When changing oil, reset engine oil life monitor whether "CHANGE OIL" light comes on or not.

RESETTING PROCEDURE

Reset monitor as follows:

1. Turn the key to the "RUN" position, but don't start the engine.
2. Press the "ENG MET" button on the trip monitor and release. Then, within five seconds, press and release the "ENG MET" button again.
3. Within five seconds of Step 2, press and hold the "GAUGES" button on the trip monitor. The "CHANGE OIL" light will flash.
4. Hold the "GAUGES" button until the "CHANGE OIL" light stops flashing and goes out. When the light goes out, the engine oil life monitor is reset. If it doesn't reset, turn the ignition "OFF" and repeat the procedure.

Chassis Lubrication

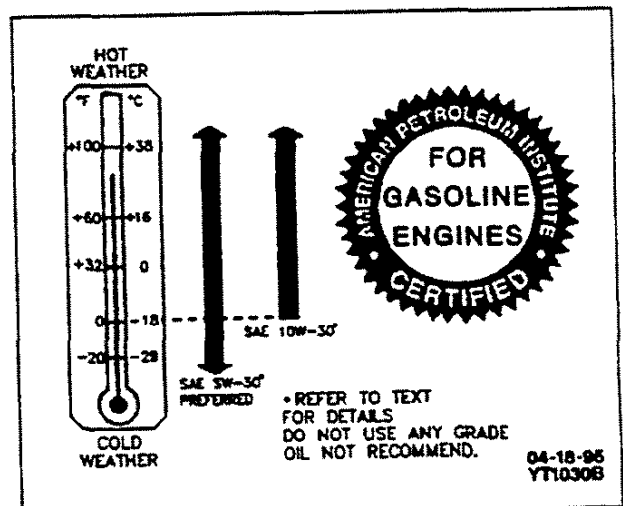


Figure 1 - Engine Oil Viscosity Recommendation

0B-8 MAINTENANCE AND LUBRICATION

Figure 2

Lubricate transmission shift linkage, parking brake cable guides, underbody contact points and linkage, and the front suspension. Refer to Figure 2.

Surpentine Drive Belt Inspection

Inspect the belt for cracks, fraying, wear and proper tension. Replace as needed. Refer to SECTION 6. Belts can have many small cracks in individual ribs without affecting performance.

Cooling System Service

Drain, flush and refill system with a 50/50 mixture of water (preferably distilled) and GM Goodwrench® DEX-COOL™ or Havoline® DEX-COOL™ (orange-colored, silicate-free) coolant, conforming to GM Specification 6277M. Refer to "Recommended Fluids and Lubricants" in this section, or SECTION 6 for more information. Inspect hoses and clamps. Clean radiator, condenser, pressure cap and neck. Pressure test cooling system and pressure cap.

! Important

- If silicate coolant is added to the system, premature engine, heater core or radiator corrosion may result. In addition, the coolant will require change sooner, at 30,000 miles (50 000 km) or 24 months.

Transmission Service

MANUAL TRANSMISSION

No fluid changing service required. Refer to "(Owner) Inspections and Other Services" in this section.

AUTOMATIC TRANSMISSION

Change both the fluid and the filter according to the appropriate maintenance schedule intervals. Change fluid and filter as described in SECTION 7.

Spark Plug Replacement

Replace spark plugs according to the appropriate maintenance schedule intervals with the type listed in "Maintenance Items" at the end of this section. Refer to SECTION 6 for replacement of spark plugs.

Spark Plug Wire Inspection

Clean wires and inspect for burns, cracks or other damage. Check the wire boot fit at the coil and at the spark plugs. Replace wires as needed. Refer to SECTION 6.

Air Cleaner Filter Replacement

Replace the air filter element according to the appropriate maintenance schedule interval. Refer to SECTION 6 for air filter element.

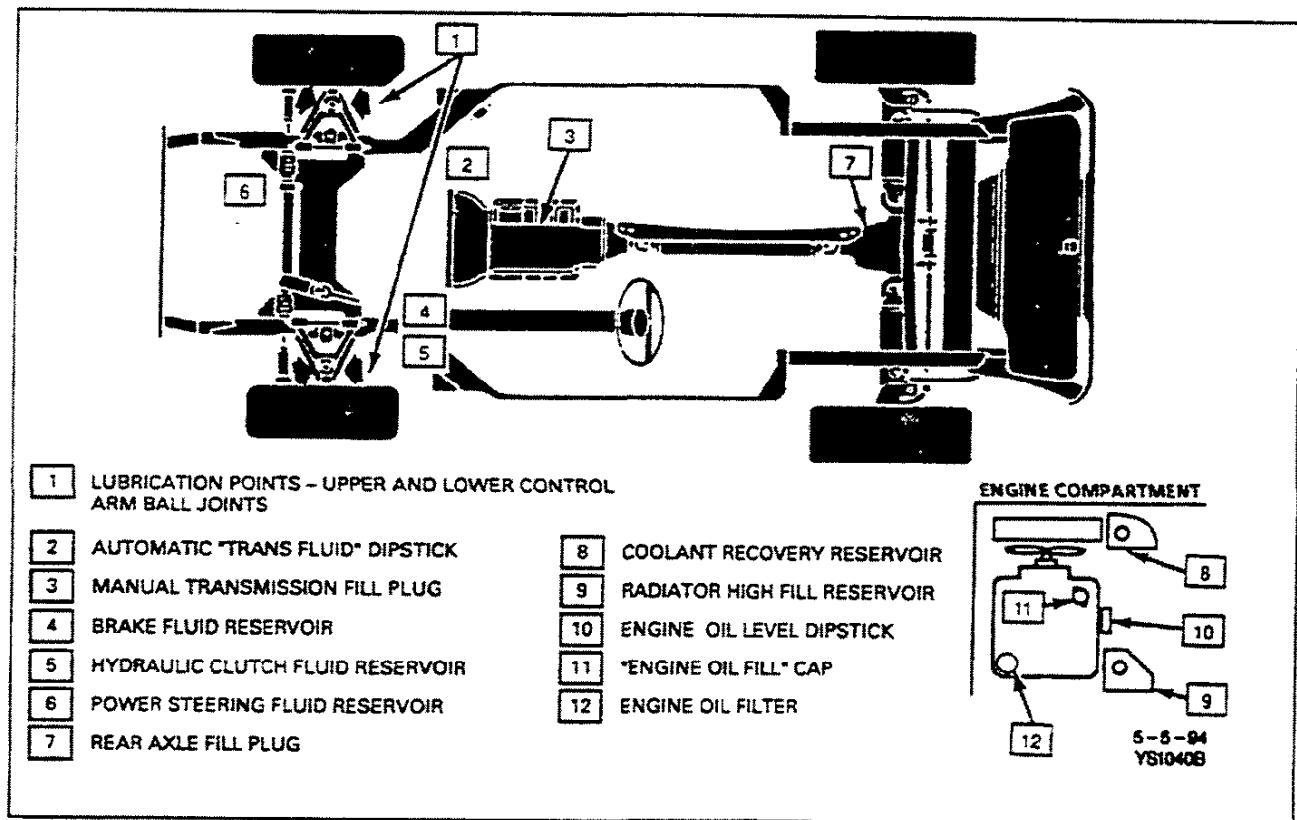


Figure 2 - Maintenance and Lube Fitting Locations

Fuel Tank, Cap and Lines Inspection

Inspect fuel tank, cap, lines, fuel rails and injection assemblies for damage or leaks. Inspect fuel cap gasket for an even filler neck imprint or any damage. Replace parts as needed. Periodic replacement of the fuel filter is not required. Refer to SECTION 6 for more information.

(OWNER) INSPECTIONS AND OTHER SERVICES

Listed below are vehicle inspections and services that should be made by either the owner or a qualified technician at the frequencies indicated to help ensure proper safety, emission systems performance and dependability of the vehicle.

Complete any necessary repairs at once. Whenever fluids or lubricants are added to the vehicle, make sure they are the proper ones. When service is required refer to "Recommended Fluids and Lubricants" in this section. For emission system information refer to SECTION 6.

AT EACH FUEL FILL

It is important for the owner or a service station attendant to perform these underhood checks at each fuel fill.

Engine Oil Level Check

Check the engine oil level and add the proper oil if necessary. Refer to "Recommended Fluids and Lubricants" in this section for oil usage information. For information on how to check the engine oil refer to the Owner's Manual.

Engine Coolant Level Check

Check the engine coolant level and add the proper coolant mix if necessary. Refer to "Recommended Fluids and Lubricants" in this section for engine coolant usage information. For information on how to check the engine coolant refer to the Owner's Manual.

Windshield Washer Fluid Level Check

Check the windshield washer fluid level in the windshield washer tank and add the proper fluid if necessary. Refer to "Recommended Fluids and Lubricants" in this section for windshield washer fluid usage information. For information on how to check the windshield washer fluid refer to the Owner's Manual.

AT LEAST MONTHLY

Tire Pressure Check

Pressure should be checked when tires are "cold." Maintain pressures as shown in "Tire Pressure Specifications" in this section, or the Tire Placard on the driver's door.

Cassette Deck

Clean cassette deck. Cleaning should be done every 50 hours of tape play to prevent permanent damage, or every 30 hours for maximum performance. Refer to SECTION 9A.

Power Antenna

Clean power antenna mast. Refer to SECTION 9A.

AT LEAST TWICE A YEAR

Restraint Systems

Make sure all belts, buckles, latch plates, retractors, anchorages and reminder systems are working properly. Look for any loose parts or damage. Replace parts as needed. Refer to SECTION 10-11.

Inspect the supplemental inflatable restraint inflator module covers and replace if broken or opened. (The SIR system does not need regular maintenance.) Refer to SECTION 9J.

Manual Transmission

Check transmission fluid level; add if needed. A fluid loss may indicate a problem. Check system and repair if needed. Refer to SECTION 7.

To check or add fluid:

Hoist vehicle, refer to SECTION 0A. Keep vehicle level. Clean dirt or foreign material from around filler plug opening before removing the filler plug. Maintain fluid level flush with bottom of opening. Always replace filler plug and be sure it is fully seated and tightened to 35 N·m (26 lb. ft.).

Automatic Transmission

Check transmission fluid level; add if needed. Refer to SECTION 7.

AT LEAST ANNUALLY

Key Lock Cylinders

Lubricate the key lock cylinders with lubricant specified in "Recommended Fluids and Lubricants" in this section.

Body Lubrication

Lubricate all body door hinges and latches, including the hood, fuel door, rear floor compartment and console, and any folding seat hardware.

More frequent lubrication may be required when exposed to a corrosive environment.

Starter Switch

CAUTION: Before performing the following transmission neutral or clutch start switch check, be sure to have enough room around the vehicle. Then, firmly apply both the parking brake and the regular brakes. Do not use the accelerator pedal. If the engine starts, be ready to turn "OFF" the ignition promptly. Take these precautions because the vehicle could move without warning and possibly cause personal injury or property damage.

On an automatic transmission vehicle, try to start the engine in each gear. The starter should crank only in "PARK" or "NEUTRAL." If the starter operates in any other position, the vehicle needs service. Refer to SECTION 8A for diagnosis and SECTION 7 for service.

On a manual transmission vehicle, place the shift lever in "NEUTRAL," push the clutch pedal halfway and try to start the engine. The starter should crank only when the clutch pedal is fully depressed all the way to the floor. If the starter operates when the clutch pedal isn't pushed all the way down, the vehicle needs service. Refer to SECTION 8A for diagnosis and SECTION 7 for service.

Brake-Transmission Shift Interlock (BTSI)**(AUTOMATIC TRANSMISSION)**

CAUTION: Before performing the following brake-transmission shift interlock check, be sure to have enough room around the vehicle. Park the vehicle on a level surface and firmly apply the parking brake. Be ready to apply the regular brakes at once should the vehicle begin to move. Do not use the accelerator pedal. Take these precautions because the vehicle could move without warning and possibly cause personal injury or property damage.

With the engine off, turn the ignition to "RUN," but do not start the engine. Without applying the regular brakes, try to move the transmission shift lever out of "PARK" with normal effort. If the shift lever moves out of "PARK," the brake-transmission shift interlock needs repair. Refer to SECTION 8A.

Steering Column Lock

While parked and with the parking brake set, try to turn key to "LOCK" in each shift lever position.

On a vehicle with an automatic transmission, the key should turn to "LOCK" only when the shift lever is in "PARK."

On a vehicle with manual transmission, try to turn key to "LOCK" without depressing the key release button. The key should turn to "LOCK" only with key release button depressed.

On all vehicles, the key should come out only in "LOCK" position. Refer to SECTION 3F5B for service information.

Parking Brake and Automatic Transmission "PARK" Mechanism Check

CAUTION: When doing this check, the vehicle could begin to move. You could be injured and property could be damaged. Make sure there is room in case the vehicle begins to roll. Be ready to apply the regular brake at once should the vehicle begin to roll. Park on a fairly steep hill, with the vehicle facing downhill. Keeping your foot on the brake, set the parking brake.

To check the parking brake, with the engine running, and transmission in "NEUTRAL," slowly remove foot pressure from the regular brake pedal (until the vehicle is held by only the parking brake). Refer to SECTION 5F for service information.

To check the automatic transmission "PARK" mechanism holding ability, shift the transmission to "PARK" and release all brakes. Refer to SECTION 7 for service information.

Underbody Flushing

At least every spring, use plain water to flush any corrosive materials from the underbody. Take care to thoroughly clean any areas where mud and other debris can collect.

PERIODIC MAINTENANCE INSPECTIONS**Steering and Suspension Inspection**

Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering lines and hoses for proper hookup, binding, leaks, cracks, chafing, etc. Refer to SECTION 3C and 3D.

Tire and Wheel Inspection

Inspect the tires for uneven wear or damage. If there is irregular or premature wear, check the wheel alignment. Inspect for damaged wheels. Refer to SECTION 3 for diagnosis and SECTION 3A for wheel alignment.

Exhaust System Inspection

Inspect complete system. Inspect body near the exhaust system. Look for broken, damaged, missing or out-of-position parts as well as open seams, holes, loose connections or other conditions which could cause a heat build up in the floor pan or could let exhaust fumes into the vehicle. Refer to SECTION 6 for exhaust system service.

Radiator and Heater Hose Inspection

Inspect the hoses for cracking, swelling and deterioration. Inspect all pipes, fittings and clamps, replace as needed. Refer to SECTION 6.

Throttle Linkage Inspection

Throttle system (includes accelerator and cruise control) should operate freely without hesitation between full closed and wide open throttle.

! Important

- Accelerator and cruise control cables should not be lubricated. Throttle system components causing hesitation or sticking should be replaced.

Inspect for the following:

- Missing parts such as retainers or clips.
- Interference of linkage or cable conduit to critical components such as fuel lines, brake pipes, harness leads, etc.
- Proximity of cable to exhaust system and other heat sources; check for melting and/or discoloration.
- Cable kinking, maintain generous bend radii of cables.
- Clearance of throttle system moving parts throughout their travel from other stationary components.
- Damage of components due to cable kinking, severe abrasion, mis-alignment, etc.

If any of the above conditions exists; notify your dealer for a recommended rerouting, adjustment, or replacement.

Rear Axle Service

Check fluid gear lubricant level and add if needed. A fluid loss in this system may indicate a problem. Check the system and repair it if needed. Refer to SECTION 4B for service.

To check or add fluid:

Raise vehicle and suitably support, refer to SECTION 0A. Keep vehicle level. Clean dirt or foreign material from around filler plug opening before removing the filler plug. Maintain fluid level from flush with bottom of opening to no lower than 6 mm (1/4 in.) below opening. Always replace filler plug, tighten to 15 N·m (11 lb. ft.).

Brake Systems Inspection

Inspect the complete system. Inspect brake lines and hoses for proper hookup, binding, leaks, cracks, chafing, etc. Inspect disc brake pads for wear and rotors for surface condition. Inspect other brake parts, including calipers, parking brake, etc., at the same time. Check parking brake adjustment. Cycling the parking brake lever three times should result in lever movement of 3 to 5 notches when a 270 N (61 lb.) force is applied.

Inspect brakes more often if habit or conditions result in frequent braking.

NOTICE: A low brake fluid level can indicate worn disc brake pads which may need to be serviced. Also, if the brake system warning light stays on or comes on, something may be wrong with the brake system. If the anti-lock brake system warning light stays on or comes on, something may be wrong with the anti-lock brake system. Refer to SECTION 5 and SE2.

RECOMMENDED FLUIDS AND LUBRICANTS

Automatic Transmission - DEXRON®-III Automatic Transmission Fluid.

Automatic Transmission Shift Linkage - Engine Oil.

Chassis Lubrication - Chassis lubricant (GM P/N 1052497) or lubricant meeting requirements of NLGI Grade 2, Category LB or GC-LB.

Clutch Linkage Pivot Points - Engine Oil.

Engine Coolant - A 50/50 mixture of water (preferably distilled) and GM Goodwrench® DEX-COOL™ or Havoline® DEX-COOL™ (orange-colored, silicate-free) coolant, conforming to GM Specification 6277M.

Engine Coolant Supplement Sealer - (GM P/N 3634621) with a complete flush and refill.

Engine Oil - Use only a synthetic engine oil of the proper viscosity displaying the American Petroleum Institute Certified-For-Gasoline Engines "Starburst" symbol and meeting GM Specification 4718M.

Floor Shift Linkage - Lubriplate Lubricant aerosol (GM P/N 12346293 or equivalent) or lubricant meeting requirements of NLGI Grade 2, Category LB or GC-LB.

Hinges, Hood, Hatch and Side Doors - Multi-Purpose Lubricant, Superlube® (GM P/N 12346241 or equivalent).

Hinges, Concealed Headlight, Fuel Door and Rear Floor Compartment Lid - Multi-Purpose Lubricant, Superlube® (GM P/N 12346241 or equivalent).

Hood Latch, Pivots and Spring Anchor - Lubriplate Lubricant aerosol (GM P/N 12346293 or equivalent) or lubricant meeting requirements of NLGI Grade 2, Category LB or GC-LB.

0B-12 MAINTENANCE AND LUBRICATION

Hood Release Pawl - Lubriplate Lubricant aerosol (GM P/N 12346293 or equivalent) or lubricant meeting requirements of NLGI Grade 2, Category LB or GC-LB.

Hydraulic Brake System - Delco Supreme II® Brake Fluid (GM P/N 1052535) or equivalent DOT-3 brake fluid.

Hydraulic Clutch System - Hydraulic Clutch Fluid (GM P/N 12345347 or equivalent).

Key Lock Cylinders - Lubricate with Multi-Purpose Lubricant, Superlube® (GM P/N 12346241 or equivalent).

Manual Transmission - Manual Transmission Fluid SAE 5W-30 (GM P/N 1052931 or equivalent).

Manual Transmission Shift Linkage - Chassis lubricant (GM P/N 1052497) or lubricant meeting requirements of NLGI Grade 2, Category LB or GC-LB.

Parking Brake Guides - Chassis lubricant (GM P/N 1052497) or lubricant meeting requirements of NLGI Grade 2, Category LB or GC-LB.

Power Steering System - GM Synthetic Power Steering Fluid (GM P/N 12345866 or 12345867 or equivalent).

Rear Axle (Limited Slip Differential) - Axle Lubricant (GM P/N 12345977) or SAE 80W-90 GL-5 Gear Lubricant and Limited-Slip Differential Lubricant Additive (GM P/N 1052358) where required.

Weatherstrip Conditioning - Dielectric Silicone Grease (GM P/N 12345579 or equivalent).

Windshield Washer Solvent - GM Optikleen® Washer Solvent (GM P/N 1051515) or equivalent.

MAINTENANCE ITEMS

Air Cleaner Filter.....	AC Type A1097C
Engine Oil Filter.....	AC Type PF52
Spark Plug and Gap.....	AC Type 41-943, 1.24 mm (0.050 in.)
Serpentine Drive Belt.....	GM P/N 10230259

APPROXIMATE FLUID CAPACITIES

Cooling System	
VIN P.....	13.7 L (14.5 qt)
VIN 5.....	13.8 L (14.6 qt)
Engine Crankcase	
(Less Filter).....	3.8 L (4.0 qt)*
(With Filter).....	4.3 L (4.5 qt)*
* Recheck levels after refill.	
Fuel Tank.....	75.7 L (20.0 gal)
Rear Axle Lubricant.....	1.42 L (1.5 qt)
Limited-Slip Additive.....	118 mL (4.0 oz)
Transmission	
Automatic *	
Drain and Refill.....	4.7 L (10.0 pt)
Overhaul.....	10.6 L (22.4 pt)
Manual	
Overhaul.....	2.1 L (4.4 pt)
* Initial fill capacity - recheck after refill.	
Air Conditioning	
R134a Refrigerant.....	0.91 kg (2.0 lb.)

SPECIFICATIONS

BELT TENSION SPECIFICATIONS

Belt Tension Adjustment.....None Required

A single serpentine belt with an automatic belt tensioner is used to drive all engine accessories. No tension adjustment is required. The tensioner has marks to indicate a minimum and maximum belt length and belt replacement. Any reading outside these limits indicates either a defective belt or tensioner. Refer to SECTION 6 for additional information.

TIRE PRESSURE SPECIFICATIONS

Regular Road Tires	
Coupe.....	240 kPa (35 psi)
Convertible.....	210 kPa (30 psi)
Run Flat Tires.....	210 kPa (30 psi)
Spare.....	448 kPa (60 psi)

FASTENER TIGHTENING SPECIFICATIONS

Transmission (Manual) Fill and Drain Plugs.....	35 N.m (26 lb. ft.)
Spark Plug.....	20 N.m (15 lb. ft.)
Engine Oil Drain Plug.....	20 N.m (15 lb. ft.)
Rear Axle Fill Plug.....	15 N.m (11 lb. ft.)
Wheel Nuts.....	140 N.m (100 lb. ft.)

BLANK

CORVETTE

REVISED: 1-29-96

1996 ORDER GUIDE

CORVETTE
Page 1

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CORVETTE EQUIPMENT SUMMARY

STANDARD INTERIOR FEATURES		1YY67	1YY07
AIR CONDITIONING:		S	S
CLOSEOUT PANEL:	CARGO COMPARTMENT AREA	S	S
DEFOGGERS:	REAR WINDOW	S	S
	SIDE WINDOWS	S	S
GLASS:	TINTED, SOLAR-RAY	S	S
INSTRUMENTATION:	ELECTRONIC LIQUID-CRYSTAL WITH WHITE ANALOG AND DIGITAL DISPLAY; SWITCHABLE ENGLISH OR METRIC READOUTS	S	S
KEYLESS ENTRY:	REMOTE	S	S
LIGHTING:	COURTESY UNDER HOOD AND ASHTRAY LAMPS	S	S
LOCKS:	POWER DOOR LOCKS	S	S
RADIO:	ELECTRONICALLY TUNED AM/FM STEREO RADIO W/SEEK-SCAN, DIGITAL CLOCK, STEREO CASSETTE TAPE, POWER ANTENNA AND EXTENDED RANGE SPEAKERS	S	S
RESTRAINT			
SYSTEM:	DRIVER AND PASSENGER SIDE AIR BAGS	S	S
SCOTCHGARD:	FABRIC PROTECTOR ON FLOOR COVERING	S	S
SPEED CONTROL:	ELECTRONIC WITH RESUME SPEED	S	S
WARNING LIGHT:	LOW OIL LEVEL	S	S
WARNING TONE:	HEADLAMPS-ON	S	S
WINDOWS:	POWER WITH DRIVER SIDE EXPRESS DOWN	S	S
STANDARD EXTERIOR FEATURES			
ASR:	ACCELERATION SLIP REGULATION	S	S
BODY STRUCTURE:	UNIFRAME-DESIGN W/CORROSION-RESISTANT COATING	S	S
HATCH:	REAR, FULL GLASS W/TWO INTERIOR REMOTE RELEASES AND ROLLER-SHADE CARGO COVER (COUPE ONLY)	--	S
INDUCTION SYSTEM:	OUTSIDE AIR	S	S
INSULATION:	INSULATION PKG. ACOUSTIC	S	S
KEYLESS ENTRY:	PASSIVE KEYLESS, (W/REMOTE HATCH RELEASE COUPE ONLY)	S	S
PAINT:	BASE-COAT/CLEAR-COAT	S	S
PASS KEY II:	THEFT DETERRENT SYSTEM	S	S
ROOF FULL:	FULL FOLDING (CONVERTIBLE ONLY)	S	--
ROOF PANEL:	ONE-PIECE REMOVABLE FIBERGLASS (COUPE ONLY)	--	S
TIRES:	P255/45ZR-17 FRONT	S	S
	P285/40ZR-17 REAR	S	S
WIPERS:	INTERMITTENT	S	S
STANDARD CHASSIS FEATURES			
BRAKES:	HEAVY-DUTY 4-WHEEL ANTI-LOCK/REAR DISC	S	S
	BRAKE/TRANSMISSION SHIFT INTERLOCK (AUTO TRANS ONLY)	S	S
ENGINE:	5.7 LITER SFI V8 W/ALUMINUM HEADS, COMPOSITE VALVE ROCKER COVERS, SEQUENTIAL-PORT FUEL INJECTION (SFI), ALUMINUM INTAKE MANIFOLD, AND ROLLER VALVE LIFTERS	S	S
ENGINE ACCESS:	FRONT END ASSEMBLY, CLAMSHELL-OPENING FOR EASY ACCESS	S	S
IGNITION SYSTEM:	DISTRIBUTORLESS OPTI-SPARK	S	S
SPRINGS:	TRANSVERSE FIBERGLASS LEAF SPRINGS AND FORGED ALUMINUM A-ARMS	S	S
STEERING:	POWER RACK AND PINION	S	S
SUSPENSION:	INDEPENDENT FRONT AND REAR	S	S

CORVETTE TRIM DEFINITION & OPTION SUMMARY

INTERIOR TRIM

		1YY67	1YY07
CONSOLE:	CENTER WITH CUPHOLDERS, ASHTRAY, COIN TRAY, CASSETTE AND CD STORAGE	S	S
MIRRORS:	REARVIEW, DAY/NIGHT WITH READING LAMPS	S	S
SEATS:	LEATHER SEATING SURFACE BUCKET WITH LATERAL SUPPORT AND BACK ANGLE ADJUSTMENT	S	S
STEERING WHEEL:	TILT WHEEL, SPORT, LEATHER WRAPPED	S	S
STORAGE:	STORAGE COMPARTMENT, INTEGRAL WITH DOOR ARMRESTS	S	S
VISORS:	COVERED LH AND RH AND LIGHTED MIRRORS	S	S

EXTERIOR TRIM

BUMPERS:	2.5-MPH	S	S
HEADLAMPS:	FRONT CORNERING	S	S
	HALOGEN FOG	S	S
	POWER-OPERATED RETRACTABLE HALOGEN	S	S
MIRRORS:	OUTSIDE MIRRORS, DUAL ELECTRICALLY ADJUSTABLE		
	HEATED REARVIEW	S	S
WHEELS:	ALUMINUM 17 X 8 1/2 FRONT	S	S
	ALUMINUM 17 X 9 1/2 REAR	S	S

*37,790.00

CORVETTE COUPE MODEL 1YY07

*Includes Destination and Handling Charges

MUST SPECIFY: ENGINE, TRANSMISSION, EMISSIONS

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

N.C. 1333.00 **Base Preferred Equipment Group (Refer Standard Summary Page)**
Preferred Equipment Group 1
 Air Conditioning - Electronic
 Delco/Bose Music System, Electronically Tuned AM/FM
 Stereo Radio w/Seek-Scan, Digital Clock and Stereo
 Cassette Tape
 Power Seat (Driver)

1SA 1SB
 X
 X
 X

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS		V.P.S.	U1F	RADIO EQUIPMENT: Delco/Bose
N.C.	R8S			Music System Electronically
V.P.S.	R8T			Tuned AM/FM Stereo Radio
50.00	G92			w/Seek-Scan, Digital Clock,
				Stereo Cassette Tape and
				Compact Disc Player (Reqs
1250.00	Z15			1SB)
				ROOF PACKAGE: Includes
				Standard Solid Panel and
				Transparent Panel. (Reqs
				24S or 64S Panel) (N/A Z16)
				ROOF PANEL: (N/A Z16)
				Transparent, Removable, Blue Tint
				Transparent, Removable, Bronze
				Tint
				SEATS:
N.C.	FE9			Power, Six-Way (Driver) (Incl
N.C.	NG1			With 1SB)
N.C.	YF5			Power Seat, Six-Way
N.C.	NB8			(Passenger) (Reqs AG1
				Power Seat)
N.C.	NC7			Leather Seating Surface Bucket
				Adjustable Sport Leather Seating
				Surface Bucket (Reqs AG1
				and AG2 Power Seats)
				w/Z15/Z16
				w/o Z15/Z16
N.C.	LT1			SELECTIVE REAL TIME
1450.00	LT4			DAMPING: Electronic,
3250.00	Z16			The Handling Package for
				Ultimate Driver Comfort and
				Control Through the Use of
				the Driver Adjustable Ride
				Control System. (Incls Std
				Suspension Components
				and Delphi Adjustable Ride
				Control System) (Reqs AG1
				and AG2 Power Seats)
				(N/A Z51 Perf Handling Pkg)
				TIRES: Extended Mobility,
				P255/45 ZR17 B/W (Front)
				P285/40 ZR17 B/W (Rear)
				(Reqs UJ6 Low Tire Pressure
				Warning) (N/A Z51 or Z16)
				SPARE TIRE DELETE: (Reqs
				WY5 Tires and UJ6 LTP
				Warning) (N/A Rhodé Is)
				TRANSMISSION
				4-Speed Automatic (N/A LT4 Eng)
				6-Speed Manual (N/A LT1 Eng)
				WARNING: Low Tire Pressure

CORVETTE
Page 4

1996 ORDER GUIDE

REVISED: 1-29-96

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CORVETTE COUPE

COLOR AND TRIM SELECTION (N/A Z15 OR Z16)

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.

Interior Trim Color		Black	Lt Beige	Lt Gray	Torch Red	
MODEL	SEAT TYPE	** SEAT OPT				
1YY07	Leather Bucket	AR9	193	643	143	703
	*Leather Adjustable Sport Bucket	AQ9	193	643	143	703

*Reqs AG1 & AG2 Power Seats

**Seat Option AR9 or AQ9 Must Be Specified

SOLID PAINT APPLICATION (N/A Z15 or Z16)

Exterior Paint Color	Color Code	Black	Lt Beige	Lt Gray	Torch Red
Black	41U	x	x	x	x
Green, Polo II (Met)	45U	x	x		
Red, Torch	70U	x	x	x	x
White, Arctic	10U	x	x	x	x

PAINT AND TRIM APPLICATION (W/ Z15 or Z16)

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the **ONLY** Combinations Available.

Interior Trim Color		Black	Lt Gray	Torch Red	Torch Red/Black
MODEL	SEAT TYPE	** SEAT OPT			
1YY07	COLLECTORS EDITION				
	* Leather Adjustable Sport Bucket	AQ9	194	144	704
	GRAND SPORT EDITION				
	*Leather Adjustable Sport Bucket	AQ9	195		705

*Reqs AG1 & AG2 Power Seats

**Seat Option AQ9 Must Be Specified

Exterior Paint Color	Color Code	Black	Lt Gray	Torch Red	Torch Red/Black
Sebring, Silver (Met) COLLECTORS EDITION	13U	x	x	x	
Blue, Admiral (Met) GRAND SPORT EDITION	28U	x			x

POWER TEAMS

ENGINE OPTION CONDITION		AXLE RATIO		
		2.59	3.07	3.45
LT1 MX0		Std	G92	----
LT4 MN6		----	----	Std

REVISED: 1-29-96

1996 ORDER GUIDE

CORVETTE
Page 5

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*45,625.00

CORVETTE CONVERTIBLE MODEL 1YY67

*Includes Destination and Handling Charges

MUST SPECIFY: ENGINE, TRANSMISSION, EMISSIONS

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

N.C.		Base Preferred Equipment Group (Refer Standard Summary Page)			1SC	1SD
1333.00		Preferred Equipment Group 1				
		Air Conditioning - Electronic				X
		Delco/Bose Music System, Electronically Tuned AM/FM				
		Stereo Radio w/Seek-Scan, Digital Clock and Stereo				
		Cassette Tape				X
		Power Seat (Driver)				X
ADDITIONAL OPTIONS						
		ACKNOWLEDGEMENTS	V.P.S.	U1F	RADIO EQUIPMENT: Delco/Bose Music	
N.C.	R8S	Multiple Order Numbers			System, Electronically Tuned AM/FM	
V.P.S.	R8T	Preliminary Invoice			Stereo Radio With Seek-Scan, Digital	
50.00	G92	AXLE: Performance Ratio (Reqs			Clock, Stereo Cassette Tape and	
		MX0 Trans)			Compact Disc Player (Reqs 1SD)	
1250.00	Z15	COLLECTORS EDITION : (Reqs 1SD)			SEATS:	
		(Incls 17" 5-Spoke Aluminum Wheels	305.00	AG1	Power Seat, Driver Six-Way	
		Painted Silver, "Corvette" Lettering			(Incl With 1SD)	
		in Bright Aluminum on Front Black	305.00	AG2	Power Seat, Passenger Six-Way	
		Calipers, Exclusive Exterior Sebring			(Reqs AG1 Power Seat)	
		Silver, Chrome Emblems, Front, Rear	N C	AR9	Leather Seating Surface Bucket	
		and Sides, Perforated Sport Seats		AO9	Adjustable Sport Leather Seating	
		w/Collectors Edition Embroidery)			Surface Bucket (Reqs AG1 and	
		EMISSIONS: (Refer Emission			AG2 Power Seats)	
		Requirements Tab Section)	N.C.		w/Z15/Z16	
N.C.	FE9	Federal Emission Requirement	625.00		w/c Z15/Z16	
N.C.	NG1	Massachusetts/NY Emission	1695.00	F45	SELECTIVE REAL TIME	
		Requirement			DAMPING: Electronic;	
N.C.	YF5	California Emission Requirement			The Handling Package for Ultimate	
N.C.	NB8	California/MA Emission Override			Driver Comfort and Control	
		(Reqs FE9 Emission)			Through the Use of the Driver	
N.C.	NC7	Federal Emission Override			Adjustable Ride Control System.	
		(Reqs YF5/NG1 Emission)			(Incls Std Suspension Components	
		ENGINE:			and Delphi Adjustable Ride Control	
N.C.	LT1	5.7 Liter SFI V8 (Reqs MX0 Trans)			System) (Reqs AG1 and AG2	
1450.00	LT4	5.7 Liter SFI V8 (Reqs MN6 Trans)			Power Seats)	
2880.00	Z16	GRAND SPORT: (Reqs LT4 Eng and 1SD)	70.00	WY5	TIRES: Extended Mobility.	
		(Incls Exclusive Admiral Blue			P255/45 ZR17 B/W (Front)	
		w/White Stripe and Red Hash Marks on			P285/40 ZR17 B/W (Rear)	
		Left Front Fender, Chrome Emblems			(Reqs UJ6 Low Tire Pressure	
		Front, Rear and Sides, Perforated Sport			Warning)	
		Seats w/Grand Sport Embroidery 17" 5-	(-100.00)	N84	SPARE TIRE DELETE: (Reqs WY5	
		Spoke Wheels Painted Black "Corvette"			Tires and UJ6 LTP Warning)	
		Lettering in Bright Aluminum on Front			(N/A Rhode Island)	
		Calipers, P255/45ZR17 B/W Front			TRANSMISSION	
		Tires P285/40ZR17 B/W Rear Tires and			MX0 4-Speed Automatic (N/A LT4 Eng)	
		Black Floor Mats)			MN6 6-Speed Manual (N/A LT1 Eng)	
1995.00	CC2	HARDTOP: Removable (Incls Rear	N.C.	MX0	UJ6 WARNING: Low Tire Pressure	
		Window Defogger) (N/A Z16)	N C			
			325.00	UJ6		

CORVETTE CONVERTIBLE

COLOR AND TRIM SELECTION (N/A Z15 OR Z16)

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.

Interior Trim Color			Black	Lt Beige	Lt Gray	Torch Red
MODEL		SEAT TYPE	** SEAT OPT			
1YY67	Leather Bucket	AR9	193	643	143	703
	*Leather Adjustable Sport Bucket	AQ9	193	643	143	703

*Reqs AG1 and AG2 Power Seats

**Seat Option AR9 or AQ9 Must Be Specified

@CONVERTIBLE PAINT AND TOP SELECTOR (N/A Z15 OR Z16)

PLEASE NOTE: Below are the convertible top combinations *recommended* by Chevrolet. However, any available combination may be ordered if it is desired by the customer.

Exterior Paint Color		Color Code	Black	Lt Beige	Lt Gray	Torch Red
Black		41U	41T/16T/34T	41T/34T	41T/16T	41T
Green, Polo II (Met)		45U	41T/34T	34T		
Red, Torch		70U	41T/16T/34T	41T/16T/34T	41T/16T	41T/16T/34T
White, Arctic-		10U	41T/16T/34T	41T/16T/34T	41T/16T	41T/16T

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

CONVERTIBLE TOP COLOR

WHITE 16T

BLACK.....41T

BEIGE..... 34T

PAINT AND TRIM APPLICATION (W/ Z15 or Z16)

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the **ONLY** Combinations That are Available.

Interior Trim Color		Black	Lt Gray	Torch Red	Torch Red/Black	
MODEL	SEAT TYPE	** SEAT OPT				
1YY67	COLLECTORS EDITION * Leather Adjustable Sport Bucket	AQ9	194	144	704	
	GRAND SPORT EDITION * Leather Adjustable Sport Bucket	AQ9	195			705

*Reqs AG1 & AG2 Power Seats

**Seat Option AQ9 Must Be Specified

Exterior Paint Color		Color Code	Black	Lt Gray	Torch Red	Torch Red/Black
Sebring, Silver (Met)	COLLECTOR EDITION	13U	41T	41T	41T	
Blue, Admiral (Met)	GRAND SPORT EDITION	28U	16T			16T

POWER TEAMS

ENGINE OPTION CONDITION		AXLE RATIO		
		2.59	3.07	3.45
LT1	MX0	Std	G92	----
LT4	MN6	----	----	Std

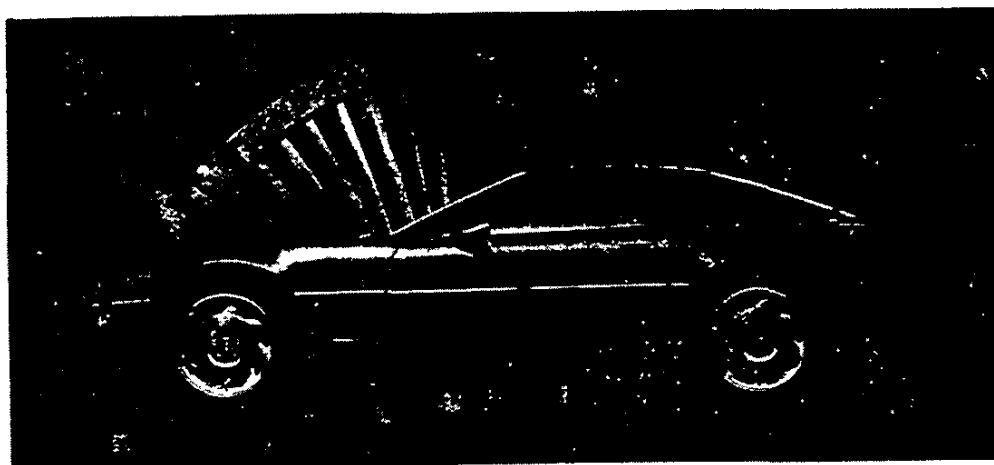
REVISED: 1-29-96

1996 ORDER GUIDE

CORVETTE
Page 7

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NOTES



PAGE INDEX

Models/The Marketplace/Positioning	1
New For '96	2
Corvette Sales Presentation, Demonstration And Delivery	3
Corvette S.P.A.C.E.	4-8
Models And Trim	9
Color And Trim Selection	10-11
Specifications	12-14
Equipment Summary	15-17
Options	18-19

PRODUCT MILESTONES (BY MODEL YEAR)

Introduced 1953.

- 1957 — Factory-installed fuel injection
- 1963 — Split-window Coupe debuts
- 1965 — Disc brakes introduced
- 1968 — Major restyling with removable roof panels and pop-up headlamps
- 1970 — LT-1 engine option available
- 1971 — First optional ZR-1 package available
- 1975 — Convertible dropped from lineup; catalytic converter added
- 1978 — Fastback body style introduced, 25th Anniversary Edition
- 1982 — First Hatchback debuts; Crossfire Injection System introduced
- 1984 — All-new Coupe introduced
- 1985 — 5.7 Liter V8 engine with Tuned-Port Fuel Injection debuts
- 1986 — Convertible returns to lineup; ABS and PASS-Key theft-deterrent system introduced
- 1988 — 17-inch wheels and tires added as optional equipment
- 1989 — ZF 6-speed manual transmission and Selective Ride Control added
- 1990 — New interior; driver air bag added; ZR-1 option introduced with 375-hp V8; Convertible Hardtop returns
- 1991 — Convex rear fascia added to all models
- 1992 — Second-generation 300-hp, 5.7 Liter V8 (RPO LT1) and Bosch ABS/ASR combination strategy debut; one millionth Corvette produced
- 1993 — ZR-1 output increased to 405 hp; Passive Keyless Entry introduced; 40th anniversary model
- 1994 — LT1 with Sequential Fuel Injection, 4L60-E 4-speed automatic, brake/transmission shift interlock and new interior introduced; and optional Extended Mobility Tires (EMTs) available
- 1995 — Restyled gill panels, de Carbon shock absorbers (w/FE1 suspension) introduced; standard heavy duty brakes; last year for ZR-1.

MODELS

- Corvette Coupe
- Corvette Convertible

THE MARKETPLACE

Corvette is a high-technology, high-performance, high-aspiration sports car that competes in the high-sport segment, which represents just under one percent of the passenger car industry (approximately 80,000 retail units).

Growth in the high-sport segment has been moderate to flat. However, an improving economy is expected to spur growth in this segment.

Although numerous vehicles compete in this segment, including several exotics, four nameplates represent over 80 percent of the share. Corvette has consistently been a top-seller in this segment, capturing over 20 percent of the market since 1991.

Primary Corvette Coupe competitors are:

- Acura NSX
- Mazda RX-7 Turbo
- Dodge Stealth R/T
- Toyota Supra
- Mitsubishi 3000 GT
- Nissan 300ZX
- Porsche 968

Primary Corvette Convertible competitors are:

- Nissan 300ZX
- BMW 325i
- Mercedes-Benz 320SL
- Porsche 968

1996 CORVETTE POSITIONING

Use the following to identify Corvette prospects:

The 1996 Corvette is positioned in the "Ultimate Sports" portion of the High-Sport segment:

- Responsive handling and high performance
- Fun and excitement
- Futuristic design
- Sportiness outweighs luxury
- Image.

The Corvette target consumer:

- Views their vehicle as being for their own use
- Is a well-informed vehicle enthusiast
- Requires fun and excitement in their driving experience
- Expects to pay "the high price" for their preferred vehicle
- Is well-educated
- Is predominately male and married
- Is typically a professional with a high income level.

Key reasons to buy:

- Fun to drive
- Exterior styling
- Vehicle handling
- Prestige nameplate
- Expected resale.

DID YOU KNOW...

The Corvette, America's premiere sports car, when equipped with the base LTI 5.7 Liter V8 engine, out-torques the competition's base engine by an average 30.75%.

Corvette LTI

HP: 300- 15% more hp

TQ: 335- 30.75% more torque

1995 competitive data.



1996 Chevrolet Corvette



Exterior Features

COLLECTOR EDITION (Z15)

- New edition celebrates the final year of production of the fourth-generation Corvette. This collectible Corvette has the following features:

- Exclusive Sebring Silver paint
- Available in Coupe or Convertible (Convertible with black top only)
- Chromed "Collector Edition" emblems on wheels, front fenders, hood and fuel-filler door
- Available with standard 300-horsepower LT1 (with automatic transmission only) or optional 330 horsepower LT4 (with 6-speed manual transmission only)
- Black brake calipers with raised bright aluminum "Corvette" lettering
- Aluminum five-spoke 17"-diameter argent wheels painted silver
- P255/45ZR-17 front and P285/40ZR-17 rear tires
- Perforated Sport seats with "Collector Edition" embroidery
- Torch Red, Black, or Gray interior.

GRAND SPORT (Z16)

- Evokes the legendary lightweight Corvette road racers of the '60s and delivers the advanced technology of the '90s. With a limited production run, Corvette Grand Sport includes the following:
- Requires 330-horsepower LT4 engine and 6-speed manual transmission
- Available on Coupe and Convertible (Convertible with white top only)
- Exclusive Admiral Blue Metallic paint with center white stripe and red "hash marks" on left front fender
- Chromed "Grand Sport" emblems on front fender sides
- Rear-wheel flares on coupe only
- Black brake calipers with raised bright aluminum "Corvette" lettering
- Aluminum five-spoke 17"-diameter black wheels
- Coupe: P275/40ZR-17 (front) and P315/35ZR-17 (rear) tires

- Convertible: P255/45ZR-17 (front) and P285/40ZR-17 (rear) tires
- Perforated Sport seats with Grand Sport embroidery
- Black or Red/Black interior colors
- Unique serial-number.

Interior Features

TACHOMETER

- New-design for the LT4, has a range of 0-8000 rpm with a 6300 rpm redline (6000 rpm range on standard tachometer).

Performance Features

OPTIONAL 5.7 LITER V8 ENGINE (LT4)

- Provides 330 horsepower for outstanding performance (see page 4 for more details).

OPTIONAL SELECTIVE REAL TIME DAMPENING (RTD)

- Designed for ultimate driver comfort and optimum vehicle control through the use of sensors at each individual wheel which measure movement and adjust suspension accordingly.

OPTIONAL Z51 PERFORMANCE HANDLING SUSPENSION PACKAGE

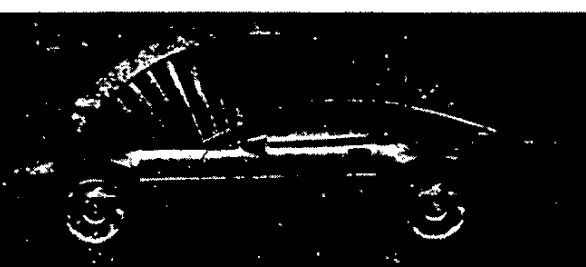
- Performance-oriented Suspension Package comes with non-adjustable Bilstein shocks, stiff springs, stabilizer bars and bushings, 17" x 9.5" wheels and P275/40ZR-17 tires for excellent handling during hard and normal driving.

Easy-to-Own Features

ON-BOARD DIAGNOSTICS SECOND GENERATION (OBD II)

- A new standard feature on every 1996 Chevrolet constantly monitors the emissions system, and is able to detect a problem before it can seriously affect vehicle performance.

1996 Chevrolet Corvette



CORVETTE SALES PRESENTATION

The Corvette sales presentations shown on the following pages were designed to be used several ways to help salespeople adjust to the specific needs of their customers.

Features are grouped in easy-to-identify Safety, Performance, Appearance, Comfort & Convenience and Easy-to-Own (S.P.A.C.E.) categories. Bullet-style copy provides concise feature/function/benefit descriptions.

VEHICLE IMAGE PRESENTATION

Corvette is a high-technology, high-performance, high-aspiration sports car.

Representing the ultimate in sportiness in the Chevrolet lineup, Corvette has consistently been a top seller in the high-sport segment. Working from its definition as a high-aspiration sports car, salespeople should explain to customers the luxuries of owning a Corvette. During sales presentations, customers should also be introduced to its sophisticated systems — Bosch ABS/ASR, Remote Passive Keyless Entry (PKE), PASS-Key II Theft-Deterrent System, selective Real Time Damping, etc. Demonstration drives should be well-planned with road conditions that are worthy of the impressive road-handling characteristics of Corvette.

THE DEMONSTRATION DRIVE

When handled properly, the demonstration drive creates an opportunity for salespeople to elaborate on specific sales presentation points. Salespeople can physically prove benefits of each feature presented or, better yet, have customers experience a vehicle's benefits for themselves.

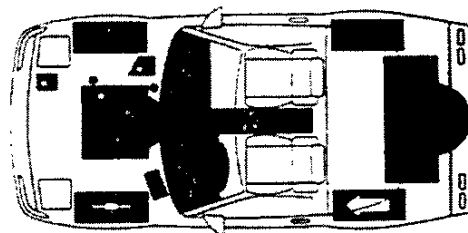
THE DELIVERY PROCESS

New-vehicle delivery can be the most critical part of the entire sales process, as it sets the tone for a customer's relationship with their new vehicle, the dealership and Chevrolet.

The salesperson's goal for the delivery process should be to establish a "Customer for Life" relationship. A thorough introduction of the vehicle, its systems and operations, along with a detailed description of available dealership services, enhances customer loyalty — and lays the foundation for "Customer for Life" relationships.

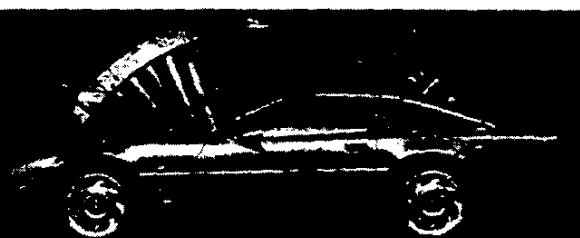
CORVETTE DELIVERY TIPS

The following spotlights important delivery tips specific to Corvette. These tips were designed to help salespeople fine-tune the Corvette delivery process.



- Bosch 4-wheel ABS V (explain operation)
- Optional low-tire-pressure-warning system
- Air bag housing (explain operation)
- Sound system (explain presets, time set, features)
- Remote Passive Keyless Entry system (explain modes)
- Fuel filler (20-gal.; requires unleaded gas — premium recommended)
- ASR Traction Control (discuss operation)
- Compact spare tire and jack stowage (show special wheelnut socket location, discuss contents)
- OBD II (On-Board Diagnostics Second Generation)
- Unidirectional Goodyear Eagle GS-C tires
- Base-coat/clear-coat paint (explain care and maintenance)
- Dipsticks (note synthetic oil for both LT1 and LT4 engines)
- Owner's Manual and Warranty book located in storage tray behind seats
- Explain Genuine Customer Care
- PASS-Key II Theft-Deterrent System
- Owner's video located in door panel storage pocket
- Removable roof panel or convertible top (explain operation)
- Fully independent suspension
- Optional Selective Real Time Damping
- Discuss EMIT tires and spare delete, if appropriate.

1996 Chevrolet Corvette



ANTI-LOCK BRAKE SYSTEM

- Helps maintain steering control and minimizes wheel lockup on most slippery surfaces.

BRAKE/TRANSMISSION SHIFT INTERLOCK

- Prevents automatic transmission from being shifted out of Park without first applying the brake pedal.



ACCELERATION SLIP REGULATION (ASR)

- Sophisticated Traction Control system works with the 4-wheel anti-lock brake system (ABS) to provide improved acceleration and enhanced vehicle stability.
- Automatically engaged when the vehicle is turned on, but can be turned off manually when additional wheel slip is desired, such as when the vehicle is mired in snow or mud.
- Calibrated to allow some wheel slip during acceleration if it is beneficial for the driving conditions.
- Individual rear brake control makes it possible to utilize the available traction on a split coefficient (i.e., one rear wheel on slick pavement, one rear wheel on dry pavement).

REMOTE PASSIVE KEYLESS ENTRY (PKE)

- When preset, requires no specific action — the system automatically unlocks the driver door (or both doors, depending on the setting) and turns on the interior light when the driver approaches the vehicle with the PKE transmitter.
- Automatically locks both doors when the driver walks a few feet away from the vehicle.
- A button for opening rear hatch is provided on coupe models.
- An auxiliary PKE transmitter is optional.



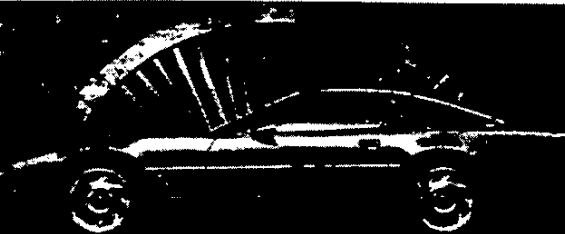
PASS-KEY II® THEFT-DETERRENT SYSTEM

- Ignition key is embedded with an electronically coded resistor pellet that is read by the alloy contacts in the ignition lock.
- Using an improper key causes an immediate delay for about three minutes before another attempt can be made to start the vehicle.
- An attempt to bypass the ignition system will temporarily disable the starter and fuel delivery system.

DRIVER AND FRONT-PASSENGER AIR BAGS

- Designed for use with safety belts, restrain driver and front passenger in the event of a moderate to severe frontal impact. Always wear safety belts, even with air bags.

1996 Chevrolet Corvette



5.7 LITER LT1 SMALL BLOCK V8 WITH SFI

- 300 horsepower @ 5000 rpm.
- 335 lb.-ft. of torque @ 4000 rpm.
- Aluminum cylinder heads are strong and lightweight.
- Operating range extends hundreds of rpm beyond most overhead valve engines, giving the LT1 the low-speed punch of a traditional two-valve pushrod engine and the high-speed performance of a multi-valve overhead cam design.



OPTIONAL 5.7 LITER LT4 SMALL BLOCK V8 WITH SFI (REQUIRED WITH GRAND SPORT)

- 330 horsepower @ 5800 rpm.
- 340 lb.-ft. of torque @ 4500 rpm.
- Opti-spark ignition system provides precise spark control and delivery.
- Enhanced power features over the LT1 include a revised combustion chamber and port with the aluminum cylinder heads, increased inlet and exhaust valves, hollow stem valves, higher load springs, an aggressive camshaft profile, a new high-capacity fuel injector and unique pistons.

INDEPENDENT FRONT SUSPENSION

- Forged-aluminum Short/Long Arm (SLA) control arms, forged-aluminum steering knuckles, a glass-epoxy transverse monoleaf spring and a steel stabilizer bar provide outstanding cornering and turning.

5-LINK REAR SUSPENSION

- With forged-aluminum control arms, forged-aluminum knuckles and struts, a glass-epoxy monoleaf spring, steel tie rods, a steel stabilizer bar, and tubular U-joint drive shafts are designed to provide impressive handling and cornering characteristics.

HEAVY-DUTY FOUR-WHEEL POWER DISC BRAKES

- Standard heavy-duty front 13" x 1.1" and rear 12" x .79" disc brakes provide outstanding stopping power and resistance to heat-induced fade.

GOODYEAR GS-C TIRES

- Steel-belted, polyester cord body with unique spiral overlay reduces heat buildup at high speeds and provides smooth ride quality without inhibiting high-speed handling.

4L60-E ELECTRONIC 4-SPEED AUTOMATIC TRANSMISSION (ONLY AVAILABLE WITH LT1 ENGINE)

- Wide range of gear ratios enhances both performance and economy.
- 3.06:1 first-gear ratio provides high torque multiplication for initial acceleration. Fourth-gear overdrive (1.70:1) reduces engine rpm at cruising speed, thereby increasing fuel economy and reducing wear.
- **NEW** torque management strategy protects the powertrain by reducing the amount of energy and heat generated by frequent severe shifts when a vehicle stuck in a snow bank or similar situation is "rocked."

6-SPEED MANUAL TRANSMISSION (ONLY AVAILABLE WITH LT4 ENGINE)

- Provides high torque multiplication for quick initial acceleration.
- Two overdrive gears produce quiet, economical highway cruising.
- Incorporates a Computer-Aided Gear Selection (CAGS) system designed to improve fuel economy during normal driving situations by directing the driver from first gear to fourth gear under light acceleration from a dead stop.

1996 Chevrolet Corvette



CONVERTIBLE TOP

- Stows away inside the vehicle for enhanced convenience and appearance.
- Heated glass backlight improves visibility.

CLAM SHELL FRONT-END ASSEMBLY

- Tilts forward to provide easy engine access.
- Retractable power-operated halogen headlights.

17" X 8.5" (FRONT), 17" X 9.5" (REAR) ALUMINUM WHEELS

- Provide aggressive appearance.

FIBERGLASS-REINFORCED PLASTIC (SMC) BODY PANELS

- Will never rust.

SPORTY GILL PANELS BEHIND THE FRONT-WHEEL OPENINGS

- For a distinctive appearance.

WOW! LT4 ENGINE APPEARANCE

- LT4 features a Torch Red inlet manifold, spark plug wires and coil wires. "Corvette" appears in red on the beauty covers, and red "GRAND SPORT" lettering appears on the throttle body cover.

ONE-PIECE REMOVABLE ROOF PANEL (COUPE ONLY)

- Gives the feel of open-air driving, and conveniently stows in rear hatch area.

BASE-COAT/CLEAR-COAT PAINT

- Resists fading and provides a high-gloss shine for long-lasting exterior beauty.
- Formulated to minimize the effects of acid rain, water-spotting and other environmental damage.
- Clear-coat finish is used with all colors — solids and metallics.



COLLECTOR EDITION (Z15)

- Designed to celebrate the final year of production of the fourth-generation Corvette (see page 1 for more details).

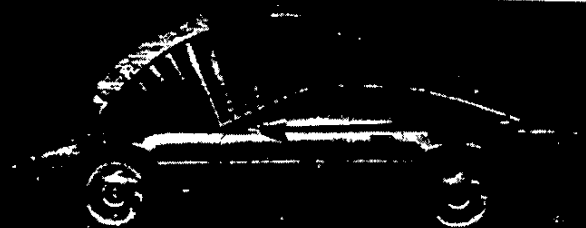


GRAND SPORT (Z16)

- Evokes the heritage of the legendary lightweight Corvette road racers of the '60s, and delivers the advanced technology of the '90s (see page 1 for more details).



1996 Chevrolet Corvette



RECLINING BUCKET SEATS

- With leather seating surfaces, lateral support and back-angle adjustments.

AIR CONDITIONING WITH CFC-FREE R-134A REFRIGERANT

- Provides comfortable interior climate.

ELECTRONIC SPEED CONTROL

- Helps makes long-distance driving easy.

LEATHER-WRAPPED STEERING WHEEL

- Provides good grip and enhances interior appearance.

WOW! RESERVE ACCESSORY POWER

- When the ignition key is turned off, a Reserve Accessory Power feature supplies power to the entertainment system and power windows for 15 minutes, or until a door is opened (whichever occurs first).

POWER DOOR LOCKS AND WINDOWS WITH DRIVER'S EXPRESS-DOWN FEATURE

- For enhanced convenience.

TILT-WHEEL™ ADJUSTABLE STEERING COLUMN

- Provides comfortable position for a range of drivers.



DRIVER INFORMATION CENTER

- Alerts driver to specific vehicle functions.

GLASS REAR HATCH (COUPE ONLY)

- Has two interior remote releases, a release on PKE transmitter and a roller-shade cargo cover.

1996 Chevrolet Corvette



New for
'96

ON-BOARD DIAGNOSTICS SECOND GENERATION (OBD II)

- A new standard feature on every 1996 Chevrolet constantly monitors the emissions system, and is able to detect a problem before it can seriously affect vehicle performance.

PLATINUM-TIP SPARK PLUGS

- Designed to last up to 100,000 miles under normal operating conditions.*

DENRON III AUTOMATIC TRANSMISSION FLUID

- Never needs replacement under normal operating conditions.

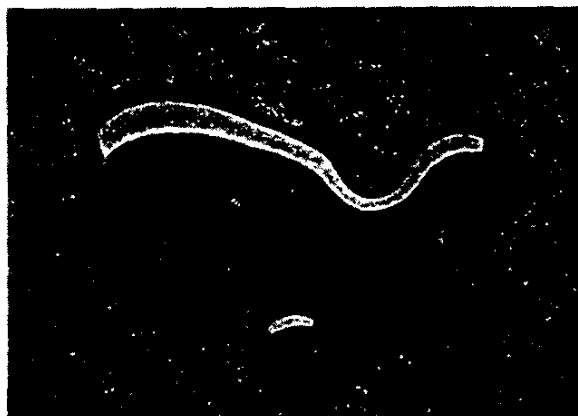
New for
'96

100,000-MILE ENGINE COOLANT

- The recommended service change interval is 5-years or 100,000 miles, whichever comes first.*

SCOTCHGARD™ FABRIC PROTECTOR

- On carpeting and floor mats; resists stains and makes cleanup easy.



UNIFRAME-DESIGN BODY STRUCTURE WITH CORROSION-RESISTANT COATING

- Minimal flexing, performance-oriented design for the ultimate American sports car.

SOLAR-RAY® GLASS

- Reduces interior heat buildup and helps protect interior materials from damaging UV rays.

CHANGE-OIL INDICATOR

- Alerts driver when it is time to change oil.

CHEVROLET CUSTOMER CARE



- Every Corvette is backed by GM's 3-year/36,000-mile Bumper to Bumper limited warranty with no deductible.



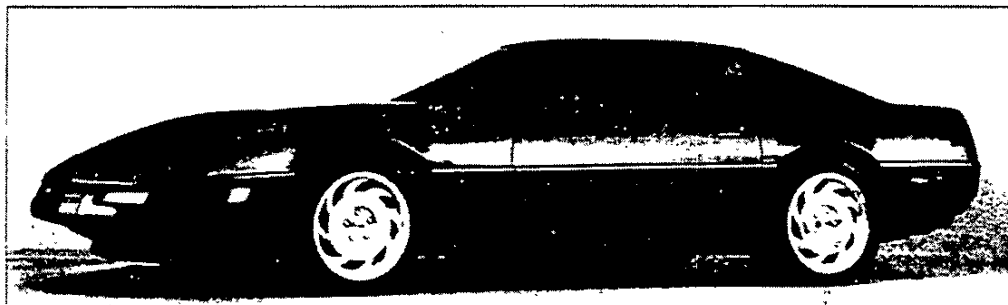
- 24-Hour Roadside Assistance is offered in two levels of service, *Basic Care* and *Courtesy Care* (see Chevrolet Value section for more details).



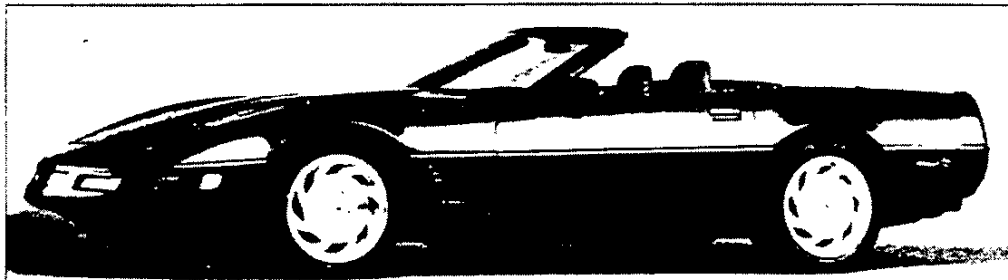
- Courtesy Transportation at participating dealers provides no-cost transportation any time a vehicle comes in for warranty work (some restrictions apply).
- Courtesy key mailed to owners directly from Chevrolet — serves as backup if keys are locked inside the car.

*Maintenance needs vary with use and driving conditions.

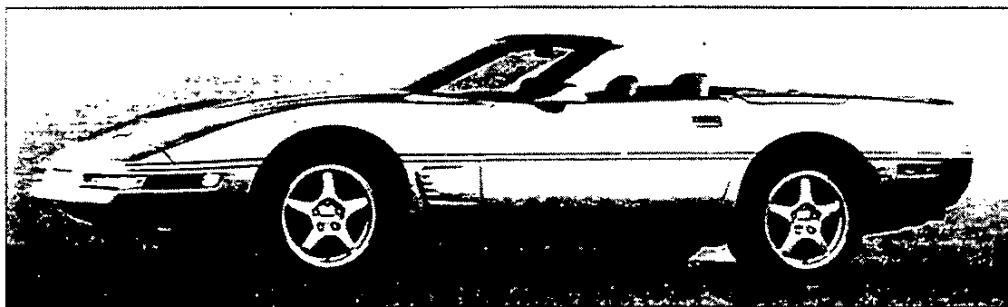
1996 Chevrolet Corvette



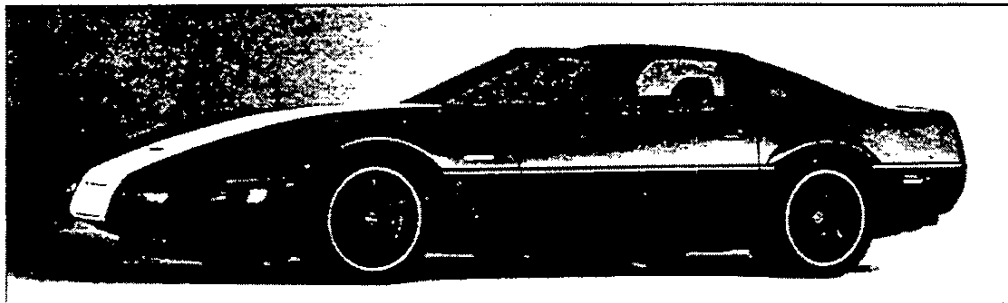
CORVETTE COUPE



CORVETTE
CONVERTIBLE

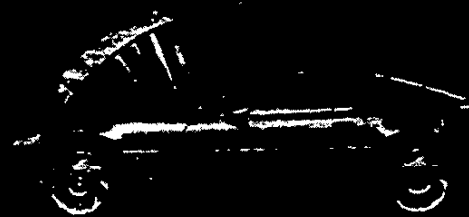


CORVETTE
COLLECTOR
EDITION
(AVAILABLE
AS COUPE OR
CONVERTIBLE)



CORVETTE
GRAND SPORT
(AVAILABLE
AS COUPE OR
CONVERTIBLE)

1996 Chevrolet Corvette



SEAT STYLE & TRIM COMBINATION

Interior Color

Model	Seat Type	Seat Option	Availability	Black	Light Beige	Light Gray	Torch Red
Coupe/Convertible	Leather Bucket	AR9	Standard	193	643	143	703
	Leather Adjust. Sport Bucket*	AQ9	Optional	193	643	143	703
Z15 and Z16	Seat Type	Seat Option	Availability	Black	Light Gray	Torch Red	Torch Red/Black
Collector Edition (Z15)	Leather Adjust. Sport Bucket**	AQ9	Standard	194	144	704	
Grand Sport (Z16)	Leather Adjust. Sport Bucket***	AQ9	Standard	195			705

Requires optional (RPO) AG1 and AG2 power seats. Includes Collector Edition embroidery. *Includes Grand Sport embroidery.

CORVETTE COUPE (Recommended Exterior/Interior Combinations)

Interior Color

Exterior Paint Color	Color Code	Black	Light Beige	Light Gray	Torch Red
■ Aqua, Bright Metallic	43U	X	X	X	
■ Black	41U	X	X	X	X
■ Green, Polo II Metallic	45U	X	X		
■ Purple, Dark Metallic	05U	X	X	X	
■ Red, Torch	70U	X	X	X	X
■ Yellow, Competition	53U	X	X	X	
■ White, Arctic	10U	X	X	X	X

CORVETTE CONVERTIBLE (Recommended Exterior/Interior Combinations)

Interior Color

Exterior Paint Color	Color Code	Black	Light Beige	Light Gray	Torch Red
■ Aqua, Bright Metallic	43U	41T/16T	16T/34T	41T/16T	
■ Black	41U	41T/16T/34T	41T/34T	41T/16T	41T
■ Green, Polo II Metallic	45U	41T/34T	34T		
■ Purple, Dark Metallic	05U	41T/34T	41T/34T	41T/16T	
■ Red, Torch	70U	41T/16T/34T	41T/16T/34T	41T/16T	41T/16T/34T
■ Yellow, Competition	53U	41T/16T/34T	41T/16T/34T	41T/16T	
■ White, Arctic	10U	41T/16T/34T	41T/16T/34T	41T/16T	41T/16T

Top Color Codes: 16T-White (vinyl), 41T-Black (fabric), and 34T-Beige (fabric).

COLLECTOR EDITION/GRAND SPORT COUPE (Exterior/Interior Combinations)

Required

Interior Color

Exterior Paint Color	Color Code	Black	Light Gray	Torch Red	Torch Red/Black
■ Sebring, Silver (Metallic) (Collector Edition)	13U	X	X	X	
■ Blue, Admiral (Metallic) (Grand Sport)	28U	X			X

1996 Chevrolet Corvette



COLLECTOR EDITION/GRAND SPORT CONVERTIBLE

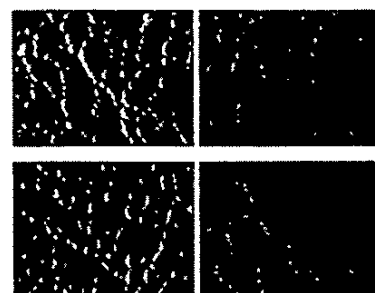
Exterior/Interior Combinations		Interior Color			
Exterior Paint Color	Color Code	Black	Light Gray	Torch Red	Torch Red/Black
■ Sebring, Silver (Met.) (Collector Edition)	13U	41T	41T	41T	
■ Blue, Admiral (Met.) (Grand Sport)	28U	16T			16T



Reclining bucket seats.



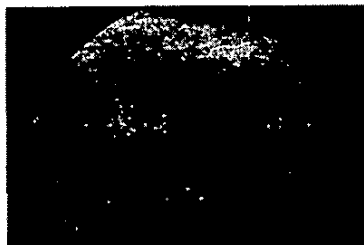
Adjustable sport bucket seats.



Leather seating surfaces available in Light Beige, Black, Light Gray and Torch Red.



Collector Edition seat.



Grand Sport seat.



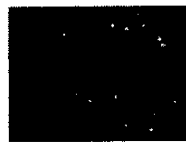
Leather seating surfaces available in Torch Red/Black on Grand Sport.



Bright Aqua Metallic



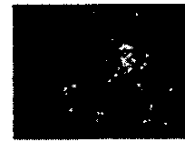
Black



Polo Green II Metallic



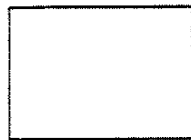
Dark Purple Metallic



Torch Red



Competition Yellow



Arctic White

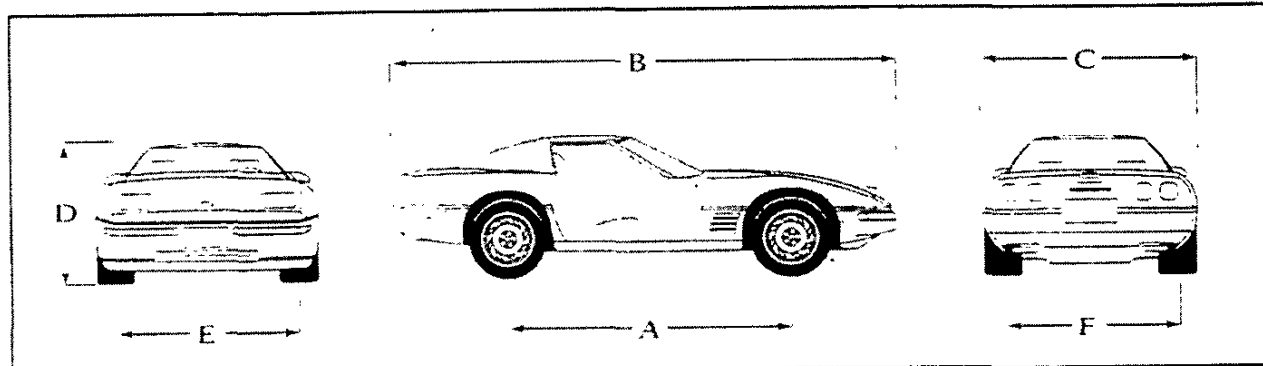


Sebring Silver Metallic (Collector Edition only)



Admiral Blue Metallic (Grand Sport only)

1996 Chevrolet Corvette



MODEL AVAILABILITY

Corvette Coupe, Corvette Convertible

EPA vehicle class

High-Sport

Assembly

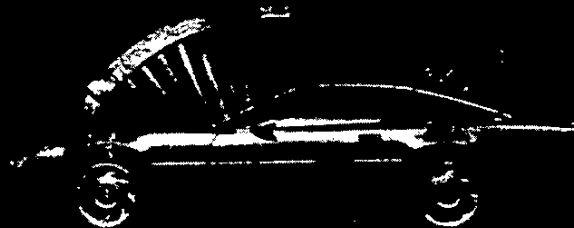
Bowling Green, Kentucky

SPECIFICATIONS & DIMENSIONS (inches unless otherwise noted)

Exterior Dimensions	Corvette Coupe	Corvette Convertible
A Wheelbase	96.2	96.2
B Length Overall	178.5	178.5
C Width Overall	73.1	73.1
D Height Overall	46.3	47.3
E Tread — Front	57.7	57.7
F Tread — Rear	59.1	60.6
Front overhang	41.6	41.6
Rear overhang	40.7	40.7
Interior Dimensions		
Head room	36.5	37.0
Leg room	42.0	42.0
Shoulder room	53.9	53.9
Hip room	50.8	49.5
Capacities		
Passenger capacity	2	2
Passenger index (cu. ft.)	NA	NA
Luggage space (cu. ft.)	12.6	6.6*
Fuel-tank capacity (gal.)	20.0	20.0
EPA interior index (cu. ft.)	NA	NA
Curb weight (lbs., est.)	3298	3360

*With top up, +2 cubic feet with top down.

1996 Chevrolet Corvette



ENGINE SPECIFICATIONS

Model	Coupe, Convertible & Collector Edition	Optional on Coupe, Convertible and Collector Edition. Required on Grand Sport
Type	5.7 Liter (LT1) SFI V8	5.7 Liter (LT4) SFI V8
Block	Cast Iron	Cast Iron
Cylinder head	Cast Aluminum	Cast Aluminum
Hydraulic lifters	Yes/Roller	Yes/Roller
Bore & Stroke (in.)	4.0 x 3.48	4.0 x 3.48
(mm)	101.6 x 88.4	101.6 x 88.4
Cam drive	Chain	Chain
Redline (rpm)	5700	6300
Displacement (liters/CID)	5.7/350	5.7/350
Compression ratio	10.4:1	10.8:1
Fuel induction	SFI	SFI
Horsepower @ engine rpm	300 @ 5000	330 @ 5800
Torque (lb.-ft.)	335 @ 3600	340 @ 4500
Exhaust system	Aluminized Stainless-Steel	Aluminized Stainless-Steel
Tailpipes:	Dual	Dual
Ignition system	12-volt opti-spark	12-volt opti-spark
Delcotron alternator rating	140 amp	140 amp
Battery (SAE capacity rating)	525 cca	525 cca
Recommend fuel (unleaded)	91 octane	91 octane

TRANSMISSION SPECIFICATIONS

Models	Required only with Grand Sport standard with LT4, NA with LT1 engine	Standard with Coupe, Convertible and Collector Edition, standard with LT1 engine, NA with LT4 engine
Transmission	6-Speed Manual	4-Speed 4L60-E Electronic Automatic
Type	RWD	RWD
Layout	Longitudinal	Longitudinal
Gear ratios:		
1st	2.64	3.06
2nd	1.78	1.63
3rd	1.30	1.00*
4th	1.00	0.70*
5th	0.74	—
6th	0.49	—
Reverse	2.42	2.29
Final-drive ratios	3.45	2.59

* Overdrive clutch engagement. *407 with 6092 performance. See SAE Order Guide for availability and restrictions.

1996 Chevrolet Corvette



CHASSIS SPECIFICATIONS

Chassis

Structure/frame	Integral Perimeter Frame/All-Welded-Steel Body Frame Construction
Body material	Fiberglass-Reinforced Plastic

Suspension — Front

Type	Independent SLA Forged-Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Monoleaf Spring, Steel Stabilizer Bar, Spindle Offset
Stabilizer bar/diameter (mm)	Link 24

Suspension — Rear

Type	Independent 5-Link Design with Toe and Camber Adjustment, Forged-Aluminum Control Links and Steering Knuckle, Transverse Monoleaf Spring, Steel Tie-Rods and Stabilizer Bar, Tubular U-Joint Aluminum Driveshafts
Stabilizer bar/diameter (mm)	Link/24

STEERING

Type	Power Rack-and-Pinion
Turning diameter, curb-to-curb (ft.)	40.0
Turns stop-to-stop	2.25

BRAKES

Type	4-Wheel ABS, Power, Vacuum Four-Wheel Vented Disc, Heavy-Duty, Acceleration Slip Regulation
Gross lining, front/rear (sq. in.)	53.0/18.4
Effective area, front/rear (sq. in.)	52.4/18.4
Disc rotor outer working diameter, front/rear (in.)	13.0/12.0
Total sweep area, front/rear (sq. in.)	115.5/94.2

1996 Chevrolet Corvette



MODELS

FUNCTIONAL FEATURES	Coupe	Convertible
Acceleration Slip Regulation (ASR)	S	S
Acoustical Insulation Package	S	S
Axle - performance ratio (automatic transmission only)	O	O
Battery - Delco Freedom II maintenance-free	S	S
Brakes - power, heavy-duty 4-wheel disc	S	S
- 4-wheel anti-lock (Bosch ABS V)	S	S
Brake/Transmission Shift Interlock (automatic transmission only)	S	S
Construction - uniframe design with corrosion-resistant coating	S	S
Front-End Assembly - full-tilting clam shell opening	S	S
Fuel Tank - 20-gallon capacity, in-tank fuel pump	S	S
Glass - tinted, flush-mounted	S	S
Hatch - rear, full glass with two remote releases	S	NA
Keyless Entry - passive, operates security system (w/remote hatch release, coupe only)	S	S
Lamps - underhood	S	S
Limited Slip Differential	S	S
Rear-Wheel Drive	S	S
Roof - full-folding convertible	NA	S
- removable lightweight (64-lbs.) hardtop	NA	O
Roof Panel - one-piece removable, fiberglass	S	NA
- blue or bronze-tinted, removable, transparent	O	NA
Selective Real Time Dampening	O	O
Steering - power rack-and-pinion with cooler	S	S
Suspension - independent, aluminum parallel SLA transverse monoleaf fiberglass spring with steel stabilizer bar, front	S	S
- independent with transverse monoleaf fiberglass spring, steel tie rods and stabilizer bar, rear	S	S
- forged-aluminum front and rear suspension arms	S	S

EXTERIOR FEATURES

Bumpers - 2.5-mph	S	S
Exhaust System - aluminized stainless-steel, including manifolds and dual tailpipes	S	S
Fog Lamps - dual halogen	S	S
Gill Panels - front fender ventilating louvers	S	S
Headlamps - power-operated, retractable halogen	S	S
Lamps - front cornering	S	S
- rear backup	S	S
- rear marker lamps with red and clear lens	S	S

S = Standard, O = Optional, NA = Not available.

1996 Chevrolet Corvette



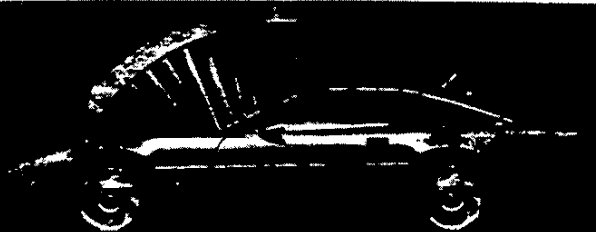
Exterior Features (continued)

	Coupe	Convertible
Mirrors - dual, heated, sport electric remote-controlled	S	S
Moldings - body-color body-side	S	S
Paint - base-coat/clear-coat	S	S
Stop Lamp - center high-mounted in rear fascia	S	S
Wipers - concealed with integral washers in wiper arms	S	S

INTERIOR FEATURES

Air Bags - driver and front-passenger	S	S
Air Conditioning - manual control (with CFC-free refrigerant)	S	S
Air Conditioning - electronic control (with CFC-free refrigerant)	()	()
Automatic Transmission Fluid Temperature Display	S	S
Carpeting - deep-twist, floor and storage area	S	S
Cellular Phone Power Wiring Connector	S	S
Console - center, w/coin tray, cassette tape, CD storage and locking, lighted storage compartment and integral armrest	S	S
Defoggers - side-window	S	S
- rear-window	S	S
Door Locks - power	S	S
Driver Information Center - digital display of MPG and cruising range	S	S
Instrumentation - electronic liquid crystal w/white analog and digital display, switchable English or metric readouts	S	S
Low-Oil- and Coolant-Level Light	S	S
Luggage Compartment Concealment Roller Shade	S	NA
Mirrors - rearview, day/night with integral map light	S	S
- vanity, covered and illuminated LH and RH	S	S
PASS-Key II™ Theft-Deterrent System	S	S
Seats - adjustable buckets w/leather seating surfaces	S	S
- power, 6-way adjustable, driver	()	()
- power, 6-way adjustable passenger (requires power driver seat)	()	()
- adjustable Sport buckets w/leather seating surfaces, lateral support and back-angle adjustment (requires power driver and passenger seats)	()	()
Scotchgard™ Fabric Protector - on floor carpeting and floor mats	S	S
Speed Control - electronic	S	S
Stereo - electronically tuned AM/FM with seek-scan, cassette tape player, digital clock, power antenna and extended-range speakers	S	S
- Delco/Bose electronically tuned AM/FM with seek-scan, cassette tape player, CD player, digital clock, power antenna and extended-range speakers	()	()
Steering Wheel - Sport, leather-wrapped	S	S

1996 Chevrolet Corvette



INTERIOR FEATURES (continued)

	Coupe	Convertible
Storage Compartment – rear, underfloor; integral with door armrests	S	S
Tilt-Wheel™ Adjustable Steering Column	S	S
Windows – power w/driver's Express-Down feature	S	S
Wipers – intermittent	S	S

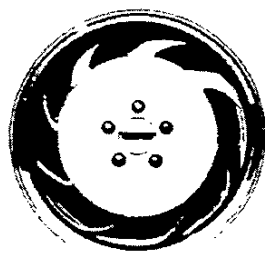
S — Standard, O — Optional, NA — Not available.

POWER TEAM AVAILABILITY

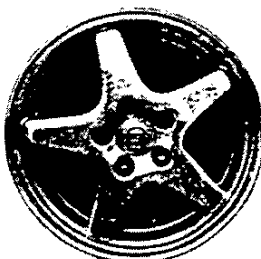
ENGINE	TRANSMISSION	Coupe	Convertible
5.7 Liter V8 with SFI (LT1)	4-speed electronic automatic with overdrive	S	S
5.7 Liter V8 with MFI (LT4)	6-speed manual with overdrive 5th & 6th gears	O*	O*

S — Standard, O — Optional, * Required with Grand Sport (Z16).

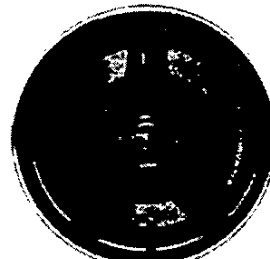
WHEELS



Corvette standard 17" cast-aluminum wheel



Corvette Collector Edition 17" 5-spoke aluminum wheel painted silver with Collector Edition emblem in center cap.



Corvette Grand Sport 17" 5-spoke aluminum wheel painted black.

WHEEL/TIRE COMBINATIONS

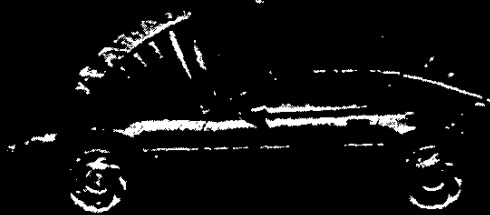
Models	Wheel*	Tire
Coupe/Convertible	17" x 8.5" aluminum – front 17" x 9.5" aluminum – rear	P255/45ZR-17 Z-rated steel-belted blackwall Eagle GSC Performance tires P285/40ZR-17 Z-rated steel-belted blackwall Eagle GSC Performance tires

17" aluminum 5-spoke wheel painted silver on Collector Edition with emblem in center cap. Wheel painted black on Grand Sport.

Optional Z51 Performance Handling Package includes front and rear 17" x 9.5" aluminum wheels and P275/40ZR-17 tires.

Grand Sport wheels, coupe = P275/40ZR-17 (front), P315/35ZR-17 (rear), convertible = P255/45ZR-17 (front), P285/40ZR-17 (rear).

1996 Chevrolet Corvette



Corvette features optional Preferred Equipment Groups to help simplify the ordering process. Choose the package containing the equipment the prospect desires, then select from the list of individually available options listed below.

PREFERRED EQUIPMENT GROUPS

DESCRIPTION	PEG	Coupe		Convertible	
		1SA	1SB	1SC	1SD
Base Preferred Equipment Group (refer to Standard Equipment Summary)		X	X	X	X
Electronic air conditioning (with R-134a refrigerant)			X		X
Delco/Bose music system, electronically tuned AM/FM stereo w/seek-scan, digital clock and cassette tape player			X		X
Power driver seat			X		X

INDIVIDUAL OPTIONS

TRANSMISSION	RPO				
5-speed manual (no cost)	MNe	O	O	O	O

TIRES

Extended Mobility Tires (require UJ6)	WY5	O	O	O	O
Spare tire delete (requires WY5 tires and UJ6 LTP)	NS4	O	O	O	O

SOUND SYSTEMS

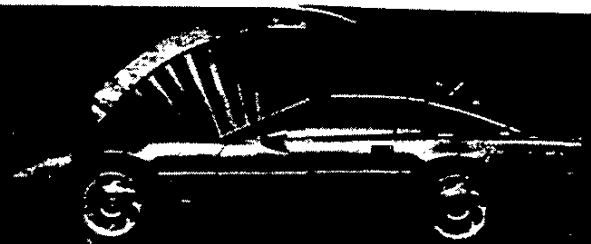
Delco/Bose music system, electronically tuned AM/FM stereo w/seek-scan, digital clock, cassette tape and CD players	UIF	O	O	O	O
---	-----	---	---	---	---

INTERIOR

Leather adjustable Sport bucket (requires AG1 & AG2 seats)	AQ2	O	O	O	O
---	-----	---	---	---	---

—requires LT4 engine. 2—Not available with Grand Sport Coupe. 3—Standard with Grand Sport and Collector Edition. NA—Not available.

1996 Chevrolet Corvette



ADDITIONAL OPTIONS

	Coupe			Convertible	
	PEG	1SA	1SB	1SC	1SD
Axle, performance ratio (req. M30 trans.)	G92	O	O	O	O
Hardtop, removable ¹ (includes rear-window defogger)	CC2	NA	NA	O	O
Keyless entry, auxiliary remote transmitter	AC0	O	O	O	O
Low-tire-pressure-warning system	UJ6	O	O	O	O
Power seat, 6-way (driver)	AG1	O	X	O	X
Power 6-way (passenger (req. AG1 power seat))	AG2	O	O	O	O
Roof panel, transparent, removable - blue tint	245	O	O	NA	NA
Roof panel, transparent, removable - bronze tint	645	O	O	NA	NA
Roof package (req. 245 or 645 panel)	C21	O	O	NA	NA
Selective Real Time Damping, electronic (req. AG1 and AG2 power seats)	F45	O	O	O	O
Collector Edition (includes 17" 5-spoke aluminum wheels painted silver, exclusive exterior Sebring Silver, "Corvette" lettering in bright aluminum on front caliper, chrome emblems (front, rear, side and wheel centers) and perforated Sport seats w/Collector Edition embroidery)	Z15	O	O	O	O
Grand Sport (req. LT4 engine) (includes 17" 5-spoke aluminum wheels painted black, exclusive exterior Admiral Blue with White center stripe and red hash marks on left front fender, rear flares on Coupe, perforated Grand Sport seat embroidery, chrome emblems on front, rear and front fender sides, unique serial number, "Corvette" lettering in bright aluminum on front caliper, Coupe: P275/40ZR-17 B/W front tires, P315/35ZR-17 B/W rear tires; Convertible: P255/45ZR-17 B/W front tires, P285/40ZR-17 B/W rear tires and black floor mats and carpeting)	Z16	O	O	O	O
Performance Handling Package (includes non-adjustable Bilstein shocks, stiff springs, stabilizer bars and bushings, 17" x 9.5" wheels and P275/40ZR-17 tires	Z51	O	O	NA	NA

S — Standard, O — Optional, X — included in option package, NA — Not available

1 — NA with Grand Sport, 2 — With M30 transmission, requires G92 and AG1 and AG2 power seats.

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1996

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

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-96

Table of Contents

	1	Vehicle Models/Origin	φ	Indicates Format Change
	2	Power Teams		From Previous Year
	3	Engine		
	4	Lubrication System		
	4	Diesel System		
	5	Cooling System		
	6	Fuel System		
	7	Vehicle Emission Control		
φ	7	Exhaust System		
	8-10	Transmission, Axles and Shafts		
	11	Suspension		
	12-13	Brakes, Tires and Wheels		
	14	Steering		
	15-16	Electrical		
	17	Body - Miscellaneous Information		
	17	Frame		
	18	Restraint System		
	18	Glass		
	18	Headlamps		
	19	Climate Control System		
φ	20-21	Convenience Equipment		
	21	Trailer Towing		
	22-24	Vehicle Dimensions		
	25	Vehicle Fiducial Marks		
	26	Vehicle Mass		
	27	Optional Equipment Differential Mass (Weight)		
	28-34	Vehicle Dimensions Definitions - Key Sheets		
	35	Index		

NOTE:

1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
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 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 1996 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 (Mfr'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 (RWD)		1YY07	2 (2/0)	45.4 (100)	17/24
2-Door Convertible (RWD)		1YY67	2 (2/0)	45.5 (100)	17/24

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

MVMA Specifications

Vehicle Line CORVETTE

Model Year	1996
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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	
E N G I N E	Engine Code	LT1	LT1	LT1	LT4	
	Displacement Liters (in³)	5.7 (350)	5.7 (350)	5.7 (350)	Yes	
	Induction system (FI, Carb, etc.)	Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	Yes	
	Compression ratio	10.4:1	10.4:1	10.4:1	10.8:1	
	SAE Net at RPM	Power kW (bhp)	224 (300) @ 5000	224 (300) @ 5000	224 (300) @ 5000	246 (330) @ 5800
	Torque N • m (lb. ft.)	461 (340) @ 4000	461 (340) @ 4000	461 (340) @ 4000	254 (340) @ 4500	
Exhaust single, dual		Dual	Dual	Dual	Yes	
T R A N S	Transmission/ Transaxle	ML9 Manual Transmission 6-Speed	M30 Auto Transmission 4-Speed	M30 Auto Transmission 4-Speed	Yes	
	Effective Final Drive / Axle Ratio (std. first)	3.45	2.59	3.07	Yes	

[illegible]

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued Revised (●)

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT1

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90 deg. V, Front, Longitudinal
Manufacturer	General Motors Powertrain Division
No. of cylinders	8
Bore	101.6 mm (4.00 in.)
Stroke	88.4 mm (3.48 in.)
Bore Spacing (C/L to C/L)	111.8 mm (4.40 in.)
Cylinder block material & mass kg. (lbs.) (machined)	Cast Iron
Cylinder block deck height	229.4 mm (9.025 in.)
Cylinder block length	506.2 mm (19.93 in.)
Deck clearance (minimum) (above or below block)	.025 Below
Cylinder head material & mass kg. (lbs.)	Aluminum
Cylinder head volume cm ³ (inches ³)	53.7 (3.28)
Cylinder liner material	Not Applicable
Head gasket thickness (compressed)	1.245 mm (.049 in.)
Minimum combustion chamber total volume cm ³ (inches ³)	75.175 Combustion Chamber with Piston at Top Dead Center and All Components in Place Torqued to Specifications
Cyl. no. system (front to rear)*	L. Bank 1-3-5-7 R. Bank 2-4-6-8
Firing order	1-8-4-3-6-5-7-2
Intake manifold material & mass kg. (lbs.)**	Cast Aluminum
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron
Knock sensor (number & location)	2 - One Each Side of Cylinder Case
Fuel required unleaded, diesel, etc.	Unleaded
Fuel antilock index (R + M) + 2	87
Engine Mounts	Quantity 2 Material and type (elastomeric, hydroelastic, hydraulic damper, etc.) Hydraulic Damper Added isolation (sub-frame, crossmember, etc.) 1 Crossmember
Total dressed engine mass (wt) dry***	261.44 kg. (576.4 lbs.), Auto.; 288.31 kg. (635.6 lbs.), Manual

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Cast Aluminum (Impacted) Coated.
--	----------------------------------

Engine - Camshaft

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

* 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 1996

Issued

Revised (#)

METRIC (U.S. Customary)

Engine Description

Engine Code

5.7 LITER V8 (350 CID)

SEQUENTIAL FUEL INJECTION RPO LT4

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90 deg. V, Front, Longitudinal	
Manufacturer	General Motors Powertrain Division	
No. of cylinders	8	
Bore	101.6 mm (4.0 in.)	
Stroke	88.4 mm (3.48 in.)	
Bore Spacing (C/L to C/L)	111.8 mm (4.4 in.)	
Cylinder block material & mass kg. (lbs.) (machined)	Aluminum Alloy	
Cylinder block deck height		
Cylinder block length	506.2 mm	
Deck clearance (minimum) (above or below block)		
Cylinder head material & mass kg. (lbs.)	Aluminum	
Cylinder head volume cm ³ (inches ³)	Not Available	
Cylinder liner material	None	
Head gasket thickness (compressed)		
Minimum combustion chamber total volume cm ³ (inches ³)		
Cyl. no. system (front to rear)*	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-4-3-6-5-7-2	
Intake manifold material & mass kg. (lbs.)**	Cast Aluminum	
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron	
Knock sensor (number & location)	2, Side of Block	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	91	
Engine Mounts	Quantity	2
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Hydraulic
	Added isolation (sub-frame, crossmember, etc.)	-
Total dressed engine mass (wt) dry***	341.83 kg. (753.6 lbs.)	

Engine - Pistons

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

Engine - Camshaft

Location	In block above crankshaft	
Material & mass kg (weight, lbs.)	Steel	
Drive type	Chain / belt	Chain
	Width / pitch	

* 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 **1996**

Issued

Revised (●)

METRIC (U.S. Customary)

Engine Description
Engine Code

**5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT4**

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90 deg. V, Front, Longitudinal	
Manufacturer	General Motors Powertrain Division	
No. of cylinders	8	
Bore	101.6 mm (4.0 in.)	
Stroke	88.4 mm (3.48 in.)	
Bore Spacing (C/L to C/L)	111.8 mm (4.4 in.)	
Cylinder block material & mass kg. (lbs.) (machined)	Aluminum Alloy	
Cylinder block deck height		
Cylinder block length	506.2 mm	
Deck clearance (minimum) (above or below block)		
Cylinder head material & mass kg. (lbs.)	Aluminum	
Cylinder head volume cm ³ (inches ³)	Not Available	
Cylinder liner material	None	
Head gasket thickness (compressed)		
Minimum combustion chamber total volume cm ³ (inches ³)		
Cyl. no. system (front to rear)*	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-4-3-6-5-7-2	
Intake manifold material & mass kg. (lbs.)**	Cast Aluminum	
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron	
Knock sensor (number & location)	2, Side of Block	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	91	
Engine Mounts	Quantity	2
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Hydraulic
	Added isolation (sub-frame, crossmember, etc.)	-
Total dressed engine mass (wt) dry***	341.83 kg. (753.6 lbs.)	

Engine - Pistons

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

Engine - Camshaft

Location	In block above crankshaft	
Material & mass kg (weight, lbs.)	Steel	
Drive type	Chain / belt	Chain
	Width / pitch	

* 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.

1

2

3

4

MVMA Specifications

Vehicle Line CORVETTE

Model Year 1996

Issued

Revised (#)

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT1

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard
Valves	Number intake / exhaust
	8/8
	Head O.D. intake / exhaust
	49.28 mm (1.94 in.) / 38.10 mm (1.50 in.)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Powdered Metal
Length (axes C/L to C/L)	144.78 mm (5.70 in.)

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Nodular Cast Iron, 23.360 (51.50)
End thrust taken by bearing (no.)	5
Length & number of main bearings	5
Seal (material, one, two piece design, etc.)	Front
	Fluoroelastomer / One Piece, Lip Seal
	Rear
	Fluoroelastomer / One Piece, Lip Seal

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	41 (6) @ 1000 / 124 (18) @ 2000 / 165 (24) @ 4000 (Hot)
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)

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 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT4

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard
Valves	Number intake / exhaust 8 / 8
	Head O.D. intake / exhaust

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Powdered Metal
Length (axes C/L to C/L)	144.78 mm (5.7 in.)

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	
End thrust taken by bearing (no.)	5
Length & number of main bearings	5
Seal (material, one, two piece design, etc.)	Front Rear

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)

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 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT1

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle, Coolant Recovery
Radiator cap relief valve pressure kPa (psi)		103 (15)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	82 (180)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	13
	Number of pumps	1
	Drive (V-belt, other)	Gear Driven
	Bearing type	Sealed Double Row Ball
	Impeller material	Steel
	Housing material	Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling System capacity	With heater - L (qt.)	Not Applicable
	With air conditioner - L (qt.)	8.89 (9.39), Auto Trans.; 9.09 (9.61), Manual Trans.
	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, Plastic Tanks, 4.5360 (10.0)
	Width	600 mm (23.6 in.)
	Height	438 mm (17.24 in.)
	Thickness	235 mm (0.93 in.), Auto: 34.0 mm (1.34 in.), Manual Trans.
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)	5-Blades, High Efficiency Curved Blades and Ring Shroud, Plastic
	Number & location (front, rear of radiator)	2 Fans, Rear of Radiator
	Diameter & projected width	299.0 mm (11.8 in.)
	Ratio (fan to crankshaft rev.)	—
	Fan cutout type	Temperature Switch
	Drive type (direct, remote)	Direct
	RPM at idle (elec.)	2100
	Motor rating (wattage/elec.)	150 W - 2200 RPM
	Motor switch (type & location/elec.)	Temperature Switch Located on AC Liquid Line
	Switch point (temp./pressure/elec.)	Pressure Transducer
	Fan shroud (material)	Plastic Ring Shroud

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT4

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 (15)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	
	Number of pumps	1
	Drive (V-belt, other)	Serpentine
	Bearing type	
	Impeller material	Steel
	Housing material	Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling System capacity	With heater - L (qt.)	
	With air conditioner - L (qt.)	
	Opt. equipment specify - L (qt.)	
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, Plastic Tanks, 4.5360 (10.0)
	Width	599.5 mm (23.6 in.)
	Height	438 mm (17.24 in.)
	Thickness	34 mm (1.34 in.)
	Fins per inch	3.0
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Electric, Standard - Two Required
	Number of blades & type (flex, solid, material)	5-Blades, High Efficiency Curved Blades and Ring Shroud, Plastic
	Number & location (front, rear of radiator)	2 Fans, Rear of Radiator
	Diameter & projected width	299.0 mm (11.8 in.)
	Ratio (fan to crankshaft rev.)	Not Applicable
	Fan cutout type	Temperature Switch
	Drive type (direct, remote)	Direct
	RPM at idle (elec.)	2100
	Motor rating (wattage/elec.)	150 W - 2200 RPM
	Motor switch (type & location/elec.)	Temperature Switch Located on AC Liquid Line
	Switch point (temp./pressure/elec.)	Pressure Transducer
	Fan shroud (material)	Plastic Ring Shroud

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 SEQUENTIAL FUEL INJECTION RPO LT1

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		AC/Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset - No Adjustment Provided
Fuel injection	Point of injection (no.)	Fuel Injectors at Inlet Ports
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic - On Board Computer
	System pressure kPa (psi)	300 (43.5)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	N/A
	Automatic	PCM Controlled
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Frame Mounted
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	In Fuel Tank
	Pressure range kPa (psi)	Normal 83.0 (12.0), Shut Off 135 (19.6)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	23-30 gr/sec @ 83 (12.0)

Fuel Tank

Capacity refill L (gallons)		75.7 (20.0)
Location (describe)		Under Rear Deck
Attachment		Rests on Rear Frame Extension, Held with Straps
Material & Mass kg. (weight lbs.)		Super Tempe Coated Steel with High Density Polyethylene Liner (*)
Filler pipe	Location & material	Center of Rear Deck
	Connection to tank	Bolted with Gasket on Top of Tank
Fuel line (material)		Super Tempe Coated Steel
Fuel hose (material)		Viton
Return line (material)		Super Tempe Coated Steel
Vapor line (material)		Super Tempe Coated Steel
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT4

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		AC/Rochester Products
Carburetor no. of barrels		N/A
Idle A/F mix.		PCM Controlled
Fuel injection	Point of injection (no.)	At Ports (8)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	PCM Controlled
	Automatic	N/A
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Replaceable Frame Mounted
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	In Tank
	Pressure range kPa (psi)	
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	

Fuel Tank

Capacity refill L (gallons)		
Location (describe)		
Attachment		
Material & Mass kg. (weight lbs.)		
Filter pipe	Location & material	
	Connection to tank	
Fuel line (material)		
Fuel hose (material)		
Return line (material)		
Vapor line (material)		
Extended range tank	Opt., n.a.	
	Capacity L (gallons)	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n.a.	
	Capacity L (gallons)	
	Location & material	
	Attachment	
	Selector switch or valve	
	Separate fill	

MVMA Specifications

Vehicle Line CORVETTE

Model Year 1996

Issued _____

Revised (•) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT1

Vehicle Emission Control

Type (air injection, engine modifications, other)		Air Injection W/Computer Command Control	
Exhaust Emission Control	Air Injection	-Pump or pulse	Vane
		Driven by	Electric
		Air distribution (head, manifold, etc.)	Exhaust Manifold (Computer Command Control)
		Point of entry	Exhaust Manifold, Top Center Two Exhaust Ports
	Exhaust Gas	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	Exhaust Manifold
	Recirculation	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converter	Type	3 Way
		Number of	2
		Location(s)	Exhaust Manifold (Close Coupled)
		Volume L (in ³)	2.05 (125.3), Each
		Substrate type	Monolith
		Noble metal type	Platinum (Pt), Rhodium (Rh)
		Noble metal concentration (g/cm ²)	
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 Plenum
	Air inlet (breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Charcoal
		Carburetor	-
	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 (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	2, Tri Flow, Aluminized Stainless Steel, 28.57 (62.98)	
⊗ Resonator no., type, & volume (liters)	1, Cross Flow	
Exhaust pipe	Branch o.d., wall thickness	RH - 69.85 x 1.37 mm (2.75 x .054 in.); LH - 69.85 x 1.37 mm (2.75 x .054 in.)
	Main o.d., wall thickness	
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel
Intermediate pipe	o.d. & wall thickness	RH - 69.85 x 1.09 mm (2.75 x .04 in.); LH - 69.85 x 1.09 mm (2.75 x .04 in.)
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel
Tail pipe	o.d. & wall thickness	Single Wide Wall, 1.37 mm (0.54 in.)
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel/RH & LH Outer

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued Revised (#)

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT4

Vehicle Emission Control

Type (air injection, engine modifications, other)			Closed loop PCM Controlled
Exhaust Emission Control	Air injection	Pump or pulse	Pump
		Driven by	Electric Pump
		Air distribution (head, manifold, etc.)	Exhaust Manifold
		Point of entry	Exhaust Manifold
	Exhaust Gas	Type (controlled flow, open orifice, other)	N/A
		Exhaust source	N/A
	Recirculation	Point of exhaust injection (spacer, carburetor, manifold, other)	N/A
	Catalytic Converter	Type	3 Way bed monolith
		Number of	2
		Location(s)	Exhaust Manifold (Close Coupled)
		Volume L (in ³)	
		Substrate type	
		Noble metal type	
		Noble metal concentration (g/cm ³)	
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 Plenum
	Air inlet (breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister
		Carburetor	N/A
	Vapor storage provision		Charcoal
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)			
⊗	Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)		
⊗	Resonator no., type, & volume (liters)		
Exhaust pipe	Branch o.d., wall thickness		
	Main o.d., wall thickness		
	Material & Mass kg. (weight lbs.)		
Intermediate pipe	o.d. & wall thickness		
	Material & Mass kg. (weight lbs.)		
Tail pipe	o.d. & wall thickness		
	Material & Mass kg. (weight lbs.)		

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 SEQUENTIAL FUEL INJECTION RPO LT1

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

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	
Manual 6-speed (manufacturer/country)	Zahnradfabrik Friedrichshafen AG (ZF) Gainesville, Georgia, USA
Automatic (manufacturer/country)	Not Applicable
Automatic overdrive (manufacturer/country)	Hydra-Matic, U.S.A. (M30)

Manual Transmission/Transaxle

Number of forward speeds		6
Gear ratios	1st	2.64
	2nd	1.78
	3rd	1.30
	4th	1.00
	5th	.74
	6th	.49
	Reverse	2.42
Synchronous meshing (specify gears)		All Forward Gears, Including Reverse
Shift lever location		Rear - Trans MTD.
Trans. case material & mass kg. (lbs.)*		Aluminum, 69.0 (151.8)
Lubricant	Capacity L (pt.)	2.1 (.987)
	Type recommended	5W-30 Texaco

Clutch (Manual Transmission)

Clutch manufacturer	Valeo Clutches & Transmissions	
Clutch type (dry, wet; single, multiple disc)	280 mm Pull Type - Dry Clutch, Magnesium Housing	
Linkage (hydraulic, cable, rod, lever, other)	Hydraulic Pre-Filled	
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	178 (40)
	Released	133 (30)
Assist (spring, power/percent, nominal)	None	
Type pressure plate springs	Diaphragm	
Total spring load (nominal) N (lbs.)	10,600 (2,383)	
Clutch facing	Facing mfg. & material coding	Valeo F-202
	Facing material & construction	Non-Asbestos Woven
	Rivets per facing	18
	Outside x inside dia. (nominal)	280 x 180 mm (11.02 x 7.09 in.)
	Total eff. area cm ² (in. ²)	361.3 (56)
	Thickness (pressure plate side/fly wheel side)	3.3 / 3.3mm (.130 / .130 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.0 mm (.039 in.)
	Engagement cushion method	Cushion Springs
Release bearing type & method lub.	Angular Contact Ball Bearing	
Torsional damping method, springs, hysteresis	Dual-Mass Flywheel (Non-Dampened Clutch Disc)	

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 SEQUENTIAL FUEL INJECTION RPO LT4

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

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	"
Manual 6-speed (manufacturer/country)	Zahnradfabrik Friedrichshafen AG (ZF) Gainesville, Georgia, USA
Automatic (manufacturer/country) N/A	
Automatic overdrive (manufacturer/country) N/A	Hydra-Matic, U.S.A. (M30)

Manual Transmission/Transaxle

Number of forward speeds		6
Gear ratios	1st	2.64
	2nd	1.78
	3rd	1.30
	4th	1.00
	5th	.74
	6th	.49
	Reverse	2.42
Synchronous meshing (specify gears)		All Forward Gears, Including Reverse
Shift lever location		Rear - Trans MTD.
Trans. case material & mass kg. (lbs.)*		Aluminum, 69.0 (151.8)
Lubricant	Capacity L (pt.)	2.1 (.987)
	Type recommended	5W-30 Texaco

Clutch (Manual Transmission)

Clutch manufacturer	Valeo Clutches & Transmissions	
Clutch type (dry, wet; single, multiple disc)	280 mm Pull Type - Dry Clutch, Magnesium Housing	
Linkage (hydraulic, cable, rod, lever, other)	Hydraulic Pre-Filled	
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	178 (40)
	Released	133 (30)
Assist (spring, power/percent, nominal)	None	
Type pressure plate springs	Diaphragm	
Total spring load (nominal) N (lbs.)	10,600 (2,383)	
Clutch facing	Facing mfg. & material coding	Valeo F-202
	Facing material & construction	Non-Asbestos Woven
	Rivets per facing	18
	Outside x inside dia. (nominal)	280 x 180 mm (11.02 x 7.09 in.)
	Total eff. area cm ² (in. ²)	361.3 (56)
	Thickness (pressure plate side/fly wheel side)	3.3 / 3.3mm (.130 / .130 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.0 mm (.039 in.)
	Engagement cushion method	Cushion Springs
Release bearing type & method lub.	Angular Contact Ball Bearing	
Torsional damping method, springs, hysteresis	Dual-Mass Flywheel (Non-Dampened Clutch Disc)	

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

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT1

Automatic Transmission/Transaxle

Trade Name		Hydra-Matic 4L60E
Type and special features (describe)		4-Speed Automatic Overdrive 4th Gear, Lock Up Torque Converter Clutch
Shift mechanics		2-3 and 3-2 Shifts are Synchronized
Gear selector	Location (column, floor, other)	On Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N- <u>D</u> -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	-
	Reverse	2.29
Final drive ratio		Not Applicable
Max. upshift vehicle speed - drive range km/h (mph)		2.59 Axle: 1-2 = 79 (49); 2-3 = 150 (93); 3-4 = N/A (@ Wide Open Throttle) 3.07 Axle: 1-2 = 66 (41); 2-3 = 124 (77); 3-4 = 214 (133) (@ Wide Open Thrd)
Max. upshift engine speed RPM		5700 RPM
Max. lockdown speed - drive range km/h (mph)		2.59 Axle: 4-3 = N/A; 3-2 = 140 (87); 2-1 = 64 (40) 3.07 Axle: 4-3 = 201 (125); 3-2 = 116 (72); 2-1 = 51 (32)
Min. overdrive speed km/h (mph)		47 (29)
Torque converter	Type	3 Element with Converter Clutch
	Torus design	
	Number of elements	3
	Max. ratio at stall	1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Capacity factor "K"		100
Pump type		Vane
Lubricant	Capacity refill L (pt.)	4.8 (10)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard External, Liquid
Transmission mass kg (lbs.) & case material**		80.5 (176) Wet, 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 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 SEQUENTIAL FUEL INJECTION RPO LT4

Automatic Transmission/Transaxle

(Not Applicable)

Trade Name		
Type and special features (describe)		
Shift mechanics		
Gear selector	Location (column, floor, other)	
	Ltr./No. designation (e.g. PRND21)	
	Shift interlock (yes, no, describe)	
Gear ratios	1st	
	2nd	
	3rd	
	4th	
	5th	
	6th	
	Reverse	
	Final drive ratio	
Max. upshift vehicle speed - drive range km/h (mph)		
Max. upshift engine speed RPM		
Max. lockdown speed - drive range km/h (mph)		
Min. overdrive speed km/h (mph)		
Torque converter	Type	
	Torus design	
	Number of elements	
	Max. ratio at stall	
	Type of cooling (air, liquid)	
	Nominal diameter	
	Capacity factor "K"	
Pump type		
Lubricant	Capacity refill L (pt.)	
	Type recommended	
Oil cooler (std., opt., N.A., internal, external, air, liquid)		
Transmission mass kg (lbs.) & case material**		

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 $\div \sqrt{\text{torque}}$

** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line **CORVETTE**

Model Year **1996**

Issued

Revised (•)

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT1

Axle Ratio and Tooth Combinations

(See "Power Teams" for axle ratio usage)

		AUTOMATIC - M30		MANUAL - M19
Axle ratio (or overall top gear ratio)		2.59 (1.81)	3.07 (2.15)	3.45 (1.72)
Ring gear o.d.		200 (7.875)		216 (8.5)
No. of teeth	Pinion	17	14	11
	Ring gear	44	43	38

Rear Axle Unit

Description		Overhung Pinion Gear Dana Model 36	Dana Model 44
Limited slip differential (type)		Disc Clutches	
Drive pinion	Type	Hypoid	
	Offset	38.1 (1.50)	
No. of differential pinions		2	
Pinion / differential	Adjustment (shim, etc.)	Shim	
	Bearing adjustment	Collapsible Spacer	
Driving wheel bearing (type)		Tapered Roller	
Lubricant	Capacity L (pt.)	1.42 (3.0)	1.30 (2.75)
	Type recommended	GL-5 Gear Lubricant EOW-90	

Propeller Shaft - Rear Wheel Drive

Propeller Shaft - Rear Wheel Drive				
Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight Tube, External Damper (Auto)	Manual (No Dampner)
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Available	
	Manual 5-speed transmission		Not Available	
	Manual 6-speed transmission		Not Available	
	Overdrive			
	Automatic transmission		Aluminum 76.2 x 825.5 x 3.05 mm (3.00 x 32.5 x 0.12 in.)	
Intermediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		—	
Slip yoke	Type		Splined	
	Number of teeth		Manual Trans - 32 Automatic Trans - 27	
	Spine o.d.		Manual Trans - 34.95 mm (1.38 in.) Automatic Trans - 29.7 mm (1.17 in.)	
Universal joints	Make and mfg. no.	Front	#1311	
		Rear	#1318	
	Number used -		2	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		Strap and Bolt	
	Bearing	Type (plain, anti-friction)	Anti-Friction	
		Lubrication (fitting, prepack)	Prepacked	
Drive taken through (torque tube, arms or springs)			Driveline Beam	
Torque taken through (torque tube, arms or springs)			Torque Control Arms	

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

MVMA Specifications

Vehicle Line **CORVETTE**

Model Year **1996**

Issued

Revised (#)

METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER V8 (350 CID)
SEQUENTIAL FUEL INJECTION RPO LT4

Axle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage)

Ade ratio (or overall top gear ratio)		3.45:1 (1.72)
Ring gear o.d.		216 (8.5)
No. of teeth	Pinion	11
	Ring gear	38

Rear Axle Unit

Description		Overhung Pinion Gear Dana Model 44
Limited slip differential (type)		Disc Clutches
Drive pinion	Type	Hypoid
	Offset	38.1 (1.50)
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Collapsible Spacer
Driving wheel bearing (type)		Tapered Roller
Lubricant	Capacity L (pt.)	1.30 (2.75)
	Type recommended	GL-5 Gear Lubricant EOW-90

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight Tube
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Applicable
	Manual 5-speed transmission		"
	Manual 6-speed transmission		76.2 x 804.9 x 2.41 (3.0 x 31.69 x .095) Aluminum
	Overdrive		
	Automatic transmission		Not Applicable
Intermediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		
Slip yoke	Type		Splined
	Number of teeth		32
	Spline o.d.		34.95 mm (1.38 in.)
Universal joints	Make and mfg. no.	Front	Dana #1311
		Rear	Dana #1318
	Number used		2
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		Strap and Bolt
	Bearing	Type (plain, anti-friction)	Anti-Friction
Lubrication (fitting, prepack)		Prepacked	
Drive taken through (torque tube, arms or springs)			Driveline Beam
Torque taken through (torque tube, arms or springs)			Torque Control Arms

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

2 DOOR 1YY07 HATCHBACK COUPE

2-Door 1YY67 CONVERTIBLE

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available	Not Applicable
	Manual/automatic control	"
	Type (air/hydraulic)	"
	Primary/assist spring	"
	Rear only/4 wheel leveling	"
	Single/dual rate spring	"
	Single/dual ride heights	"
	Provision for jacking	See Page 11A
Shock absorber damping controls	Standard/option/not available	Optional
	Manual/automatic control	Manual 3/6 Automatic Settings within Each Manual Setting
	Number of damping rates	18
	Type of actuation (manual/ electric motor/air, etc.)	Manual Selection & Speed Control with Electric Motors
	Sensors	Lateral acceleration
		Deceleration
		Acceleration
		Road surface
Shock absorber (front & rear)	Type	All: Monotube. Gas Charged
	Make	Base - de Carbon Opt. Bilstein
	Piston diameter	46 mm (1.81 in.)
	Rod diameter	10 mm (0.393 in.)

Suspension - Front

Type and description		See Page 11A
Travel	Full jounce (define load condition)	88 mm (3.46 in.), Metal to Metal
	Full rebound	91.0 mm (3.58 in.)
Spring	Type (coil, leaf, other & material)	Monoleaf, Filament Wound Glass - Epoxy Composite
	Insulators (type & material)	Pivot, Teflon - Filled Nylon and Aluminum, Enclosed in Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Leaf: 1152 mm (45.4 in.) x 115 mm (4.53 in.) Coil & Bar - Not Applicable
	Spring rate N/mm (lb./in.)	Cpe. 60.0 (34.3), Conv. 73.2 (418), FX3 60.0 (343), FE7 90.1 (515), ZR1 75.4 (431)
	Rate at wheel N/mm (lb./in.)	Cpe. 22.8 (130), Conv. 25.7 (147), FX3 22.8 (130), FE7 29.4 (168), ZR1 26.1 (149)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Base 24 mm (0.94 in.) Dia. Tube, 3.6 mm (0.14 in.) wall, FE7 30 mm (1.18 in.) bar, ZR1 26 mm (1.02 in.) tube, 3.6 mm (0.14 in.) wall

Suspension - Rear

Type and description		See Page 11A	
Travel	Full jounce (define load condition)	86 mm (3.39 in.), Metal to Metal	
	Full rebound	Base & Convertible - 78.0 mm (3.07 in.), Z07-71.0 mm (2.8 in.)	
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: 1186 mm (46.7 in.) x 89 mm (3.50 in.) Coil & Bar - Not Applicable	
	Spring rate N/mm (lb./in.)	Cpe. 26.0 (149), Conv. 39.9 (228), FX3 26.0 (149), FE7 57.2 (327), ZR1 33.0 (188)	
	Rate at wheel N/mm (lb./in.)	Cpe. 20.2 (116), Conv. 27.1 (135), FX3 20.2 (116), FE7 35.5 (203), ZR1 23.7 (135)	
	Insulators (type & material)		Dual Polyurethane
	If leaf	No. of leaves	Monoleaf
		Shackle (comp. or tens.)	Tension
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & O.D. bar/tube, wall thickness	Base & FE7 24mm (0.94 in.) Dia. Tube, 3.6 mm (0.14 in.) wall, ZR1 26 mm (1.02 in.) Bar	
Track bar (type)		None	

MVMA Specifications

Vehicle Line	CORVETTE		
Model Year	1996	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 Forged Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Monoleaf Spring and Steel Stabilizer, Spindle Offset.

SUSPENSION - REAR

Independent 5 - Link Design with Tow and Camber Adjustment, Forged Aluminum Control Links and Knuckle, Transverse Monoleaf Spring, Steel Tie Rods and Stabilizer, Tubular U-Jointed Aluminum Driveshafts.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description And/OR
Engine Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Brakes - Service

Description			Hydraulic Power Brake Front and Rear Disc Base J19 and Heavy Duty J55 Systems	
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)	B.C.I.A. Standard Pad Guided Caliper	
		Rear (disc or drum)	B.C.I.A. Standard Pin Guided Caliper	
Valving type (proportion, delay, metering, other)			Rear Proportioner Integral with Master Cylinder	
Power brake (std., opt., n.a.)			Standard	
Booster type (remote, integral, vac., hyd., etc.)			Vac 240 mm Single Diaph. .65 sq. in.	
Vacuum	Source (inline, pump, etc.)		Engine Plenum	
	Reservoir (volume in.³)		Not Applicable	
	Pump-type(elec., gear or belt driven)		"	
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 IIU	
	Type (electronic, mech.)		Electrohydraulic	
	Number sensors or circuits		(4) Wheel Sensors	
	Number antilock hydraulic circuits		4 (2 Front and 2 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 cm² (in.²)*			Front Linings 209 (32.4) (W/O Grooves); Rear Linings 119 (18.4) (W/O Grooves)	
Gross Lining area cm² (in.²)** (F/R)			Front Linings 213 (33.0) (W/O Grooves); Rear Linings 119 (18.4) (W/O Grooves)	
Swept area cm² (in.²)*** (F/R)			Front 660 Base / 722 H.D.; 589 Rear	
Rotor	Outer working diameter		F/R F-Base/302.3 mm; F-H.D. / 327.3 mm; R/302.7 mm	
	Inner working diameter		F/R F-Base/222.3 mm; F-H.D. / 247.3 mm; R/232.7 mm	
	Thickness		F/R F-Base/20 mm; F-H.D./28 mm; R/20 mm	
	Material & type (vented/solid)		F/R Gray Iron Vented Front, HCE Iron Vented Rear	
Drum	Diameter & width		F/R Not Applicable	
	Type and material		F/R "	
Wheel cylinder bore			Front Dual Piston 38 mm (1.5 in.) Rear 40.5 mm (1.6 in.)	
Master cylinder	Bore/stroke		F/R Front 23.7 / 20.4 mm (.93/.80 in.) Rear 23.7 / 13.7 mm (.93/.54 in.)	
Pedal arc ratio			4.0:1	
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]			W/Power Front 8005 (1160), Rear 4690 (680)	
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 CP26, FE Code
		Material		Semi-Metallic Non-Asbestos
		*****	Primary or out-board	Front 135 x 40 x 9.5 mm (5.31 x 1.57 x 0.37 in.)
		Size	Secondary or in-board	Front 135 x 40 x 9.5 mm (5.31 x 1.57 x 0.37 in.)
		Shoe thickness (no lining)		6.0 mm (0.236 in.)
	Rear wheel	Bonded or riveted (rvts/seg.)		Integral Mold
		Manufacturer		Japan Brake Industries
		Lining code *****		JB H3H - B33, GF Code
		Material		Semi-Metallic Non-Asbestos
		*****	Primary or out-board	108 x 35 x 8.5 mm (4.25 x 1.38 x 0.33 in.)
		Size	Secondary or in-board	94 x 35 x 8.5 mm (3.70 x 1.38 x 0.33 in.)
		Shoe thickness (no lining)		O.B. 4mm (0.157 in.), I.B. 5.5 mm (0.216 in.)

* 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 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Tires And Wheels (Standard)

Tires	Size (service description)		P255/45ZR17 Front, P285/40ZR17 Rear, Base	
	Type (bias, radial, steel, nylon, etc.)		High Speed Steel Belted Radial Eagle 40ZR (Goodyear), Unidirectional & Asymmetrical	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 (35)	207 (30)
		Rear kPa (psi)	240 (35)	207 (30)
	Rev./mile at 70 km/h (45 mph)		497 (P255), 499 (P285)	
Wheels	Type & material		Left-Right Aluminum Alloy Road Wheels with Specific Vent Design	
	Rim (size & flange type)		17 x 8.5 Front, 17 x 9.5 Rear, Left-Right Specific	
	Wheel offset		56 mm (1.97 in.)	
	Attachment	Type (bolt or stud & nut)	Stud	
		Circle diameter	120.7 mm (4.75 in.)	
		Number & size	5 Hex Nuts, One Anti-Theft, M12 x 1.5 - 6H	
Spare	Tire and wheel		T155/70D17, (17 x 4 Wheel)	
	Storage position & location (describe)		Horizontal Under Fuel Tank	

Tires And Wheels (Optional)

Tire size (service description)		P315/35ZR17 (1Y207) Rear Only
Type (bias, radial, steel, nylon, etc.)		High Speed Steel Belted Radial Eagle 35 ZR (Goodyear)
Wheel (type & material)		Left-Right Aluminum Alloy Road Wheels W/Specific Vent Design
Rim (size, flange type and offset)		17 x 11 Rear, Left - Right Specific 36.0 Offset ZR-1 Rear Only
Tire size (service description)		P275/40ZR17-ZR-1 Front Only; Z07 Front & Rear
Type (bias, radial, steel, nylon, etc.)		High Speed Steel Belted Radial Eagle 40ZR (Goodyear)
Wheel (type & material)		17 x 9.5 - ZR-1 Front ONLY; Z07 Front & Rear
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		Lever Apply, Button Release, Auto Cable Adjust
Location of control		Inner Left Door Sill
Operates on		Integral Rear Caliper Lock Plate Actuator
If separate from service brakes	Type (internal or external)	Not Applicable
	Drum diameter	-
	Lining size (length x width x thickness)	-

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Steering

Steering				
Manual (std., opt., n.a.)			Not Available	
Power (std., opt., n.a.)			Standard	
Speed-sensitive (std., opt., n.a.)			Not Available	
4-wheel steering (std., opt., n.a.)			Not Available	
Adjustable steering wheel/column (tilt, telescope, other)		Type	Tilt	
		Manufacturer	Saginaw Division	
		(std., opt., n.a.)	Standard	
Wheel diameter** (W9) SAE J1100		Manual	Not Available	
		Power	380 mm (15.0 in.)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.6 (41.3)	
		Curb to curb (l. & r.)	12.2 (40.0)	
	Inside rear	Wall to wall (l. & r.)	Not Available	
		Curb to curb (l. & r.)	-	
Scrib Radius*				
Manual	Gear	Type	Not Available	
		Manufacturer	-	
		Ratios	Gear	-
		Overall	-	
	No. wheel turns (stop to stop)		-	
Power	Type (coaxial, elec. hyd., etc.)		Alloy Rack and Pinion Hydraulic	
	Manufacturer		Saginaw Division	
	Gear	Type	End Take-Off	
		Ratios	Gear	-
	Overall	15.7:1		
	Pump (drive)		Accessory Belt Driven, Lt. Wt. Transverse Compact Pump	
	No. wheel turns (stop to stop)		2.32 Turns	
Linkage	Type		End Take-Off	
	Location (front or rear of wheels, other)		Front of Wheel	
	Tie rods (one or two)		2	
Steering axles	Inclination at camber (deg.)		8.744	
	Bearings (type)	Upper	Ball Joint (M/M W/Anti-Friction Washer); Anti-Corrosive	
		Lower	Ball Joint (M/M W/Anti-Friction Washer); Anti-Corrosive	
		Thrust	Lower Ball Joint	
	Steering spindle/knuckle & joint type		Upper and Lower Ball Joints; Anti-Corrosive	

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

** See Page 23.

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	6.0 (±) 0.5
		Camber (deg.)	0.8 (±) 0.5
		Toe-in outside track mm (in.)	0.0 (±) .10
	Service reset*	Caster (deg.)	—
		Camber (deg.)	—
		Toe-in mm (in.)	—
	Periodic M.V. inspection	Caster (deg.)	—
		Camber (deg.)	—
		Toe-in mm (in.)	—
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0 (±) 0.5
		Toe-in outside track mm (in.)	0.0 (±) .1
	Service reset*	Camber (deg.)	—
		Toe-in mm (in.)	—
	Periodic M.V. insp.	Camber (deg.)	—
		Toe-in mm (in.)	—

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Digital, Standard
	Trip odometer (std., opt., n.a.)	Standard
Head-up display	Standard, optional, not available	Not Available
	Type	Secondary, opto-electronic
	Speedometer	Digital
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges
	Brightness control	Day / night mode, adjustable
EGR maintenance indicator		Not Available
Charge indicator	Type	Analog Display, Digital
	Warning device (light, audible)	Standard - Warning Indicator and Lamp
Temperature indicator	Type	Analog Display, Digital
	Warning device (light, audible)	Standard - Warning Indicator and Lamp
Oil pressure indicator	Type	Analog Display
	Warning device (light, audible)	Standard - Warning Indicator and Lamp
Fuel indicator	Type	Electric Liquid Crystal - Analog
	Warning device (light, audible)	Standard - Warning Indicator Signals - Reserve
Windshield wiper	Type (standard)	Intermittent Control System
	Type (optional)	Not Available
	Blade length	508 mm (20 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	2
Other		See Page 15A

MVMA Specifications

Vehicle Line	CORVETTE		
Model Year	1996	Issued	Revised (*)

METRIC (U.S. Customary) SUPPLEMENTAL PAGE

These Lights surround the IP Cluster:

- Door Ajar Light
- Check Gages Light
- Security Light
- Change Oil Light
- Shift One to Four Light
- Brake Light
- Safety Belt Light
- Park Brake Light

The Center of the Cluster Shows:

- Speedometer
- Odometer
- Fuel Gage
- Trip Monitor Readout

These Telltales Illuminate in The Driver Information Center (DIC)

- Service LTPWS
- Low/Flat Tire
- Low Coolant
- Air Bag
- Service Ride Control
- Battery Symbol
- Service Engine Soon
- ABS Active
- Low Oil
- Service ABS
- Service ASR
- ASR Active
- ASR Off
- Passive Keyless Entry
- Hazard Icon (Europe)
- Cat Temp (Japan Only)

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

5.7 LITER V8 (350 CID)
 SEQUENTIAL FUEL INJECTION RPO LT1

Electrical - Supply System

Battery	Manufacturer	Delco Remy
	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 Left Wheel Opening
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	50/140
	Ratio (alt. crank/rev.)	3.07:1
	Output at idle (rpm, park)	50 Amps @ 618 rpm
	Optional (type & rating)	Not Available
Regulator	Type	Micro Circuit Unit, Integral with Alternator

Electrical - Starting System

Motor	Manufacturer	Nippon Denso
	Current drain _____ °C (°F)	350 Amps
	Power rating kw (hp)	1.6 (2.1)
Motor drive	Engagement type	Positive Shift Solenoid
	Pinion engages from (front, rear)	Rear

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Standard
	Other (specify)	Opti-Spark Ignition System
Coil	Manufacturer	Delco Remy
	Model	1106011
	Current	Engine stopped - A
		Engine idling - A
Spark plug	Manufacturer	AC
	Model	R45LTSP
	Thread (mm)	M14 x 1.25
	Tightening torque N-m (lb. ft.)	24-30 (18-22)
	Gap	1.27 mm (0.050 in.)
	Number per cylinder	1
Distributor	Manufacturer	Delco Remy
	Model	1103878

Electrical - Suppression

Locations & type	Internal Generator Capacitor, Non-Metallic High-Tension Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal AC Blower Motor By-Pass Capacitor & A/C Compression Diode, with Radio Provisions; Fuse Block Capacitor and On "Heater Only" Blower Motors and Coax Capacitor.
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MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

5.7 LITER V8 (350 CID)
 SEQUENTIAL FUEL INJECTION RPO LT4

Electrical - Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	Standard
	Voltage	12
	Amps at 0° F. cold crank	690
	Minutes-reserve capacity	90
	Amps/hrs.-20 hr. rate	54
	Location	Engine Compartment Directly Behind Left Wheel Opening
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	50/140
	Ratio (alt. crank/rev.)	2.559
	Output at idle (rpm, park)	50 Amps @ 618 rpm
	Optional (type & rating)	None
Regulator	Type	Micro Circuit Unit, Integral with Alternator

Electrical - Starting System

Motor	Manufacturer	Nippon Denso
	Current drain _____ °C (°F)	425 Amps
	Power rating kw (hp)	1.6 (2.1)
Motor drive	Engagement type	Positive shift Solenoid Engaged
	Pinion engages from (front, rear)	Rear

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Standard
	Other (specify)	Opt - Spark Direct Fire Ignition System
Coil	Manufacturer	Delco
	Model	-
	Current	Engine stopped - A
		Engine idling - A
Spark plug	Manufacturer	AC
	Model	41 - 900 series
	Thread (mm)	14 x 1.25
	Tightening torque N-m (lb. ft.)	
	Gap	
	Number per cylinder	1
Distributor	Manufacturer	Delco
	Model	N/A

Electrical - Suppression

Locations & type	Internal Alternator Capacitor, Non-Metallic High-Tension Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal AC Blower Motor By-Pass Capacitor & A/C Compression Diode, with Radio Provisions; Fuse Block Capacitor and Coax Capacitor.
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MVMA Specifications

Vehicle Line CORVETTE
Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Body

Structure	Integral Perimeter Frame - Birdcage Forms Strong Unitized Body Structure. Aerodynamically Shaped Body with Deeply Angled Windshield (64 deg.). All Major Body Panels SMC Reinforced Composite with Molded-In Coating. Single Lift Off Roof Panel (Coupe) Effective Pass; Compartment insulation, Tinted Glass All Around. "Unibase" Paint Process, Final Clear Coat Paint Finish.
Bumper system front -rear	Front - Full-width polypropylene foam energy absorber backed up by an impact bar of strong continuous glass fiber plastic. Body color, glass-reinforced rim fascia. Rear-full width polypropylene foam energy absorber. Body color, glass-reinforced rim fascia. Extruded aluminum impact bar.
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)		High Solids Base Coat Enamel with High Solids Clear Coat
Hood	Material & mass	Sheet Molded Compound with Steel Reinforcements, 33.6 kg (74.1 lbs.)
	Hinge location (front, rear)	Front
	Type (counterbalance, prop)	Hinged Clamshell Hood
	Release control (internal, external)	Interior
Trunk lid	Material & mass	Not Applicable
	Type (counterbalance, other)	"
	Internal release control (elec., mech., n.a.)	"
Hatchback lid	Material & mass	Tempered, Tinted Safety Glass 19.05 kg. (42.0 lbs.)
	Type (counterbalance, other)	Dual Gas Struts
	Internal release control (elec., mech., n.a.)	Electric Release, Standard (Driver Door and Console Glove Box and Key Fob).
Tailgate	Material & mass	Not Applicable
	Type (drop, lift, door)	"
	Internal release control (elec., mech., n.a.)	"
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	"
Window regulator type (cable, tape, flex drive, etc.)	Front	Drive
	Rear	None
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Seat, Full Cloth Trim @
	Rear	None
	3rd seat	"
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Seat, Full Cloth Trim @
	Rear	None
	3rd seat	"

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	All-Welded Steel Body-Frame Construction, 100% Galvanized Bolt-On Front Crossmember to Allow Bottom Loaded Engine.
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MVMA Specifications

Vehicle Line CORVETTE

Model Year 1996

Issued

Revised (*)

METRIC (U.S. Customary)

Model Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	First seat	3-Point Active Lap & Shoulder Belt		3-Point Active Lap & Shoulder Belt
		Second seat			
	Standard / Optional	Third seat			
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)	First seat	Air Bag Standard		Air Bag Standard
		Second seat			
	Standard / Optional	Third seat			
Glass		SAE Ref.No.			
Windshield glass exposed surface area cm ² (in. ²)		S1	8710.0 (1350.0)		8710 (1350)
Side glass exposed surface area cm ² (in. ²) - total 2 sides		S2	4007.2 (621.1)		4007.2 (621.1)
Backlight glass exposed surface area cm ² (in. ²)		S3	6205.0 (961.8)		2554.8 (396.0)
Total glass exposed surface area cm ² (in. ²)		S4	18922.2 (2932.9)		15272.0 (2367.1)
Windshield glass (type/thickness)			Curved - Laminated Plate - Tinted - 5.4 mm		
Side glass (type/thickness)			Curved - Temperature Plate - Tinted - 5.0 mm		
Backlight glass (type/thickness)			Curved - Tempered Plate - Tinted (Hatchback) 6.2 mm Glass		
Tinted (yes/no, location)					
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 - 1 Capsule Per Side
Quantity	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	
Quantity	

MVMA Specifications

Vehicle Line
Model Year

CORVETTE

1996

Issued

Revised (*)

METRIC (U.S. Customary)

Engine Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Climate Control System

Air conditioning (std., opt., man., auto.)		Manual A/C Standard Automatic A/C, Optional
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	Copper-Brass
	Eff. face area (sq. mm.)	29,060
	Fins per inch	11 Fins/Inch
Compressor	Type	Piston Type, Swash Plate, Fixed Displacement
	Displacement (cc.)	177 cc (LT5), 207 cc (LT1)
	Manufacturer	Nippondenso
	A/C pulley ratio	1.58:1 (LT5), 1.67:1 (LT1)
Accumulator	Type	Accumulator/Dehydrator
	Height (mm.)	231
	Diameter (mm.)	93
Receiver	Type	Not Available
	Height (mm.)	-
	Diameter (mm.)	-
Refrigerant control (CCOT, TVS, etc.)		CCOT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R-134a
Charge level (lbs. - oz.)		2.25 lbs.
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		No

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

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

	Clock (digital, analog)	
	Compass / thermometer	Thermometer on C68
	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, Oil and Coolant Temps, Oil Pressure, Volts, Fuel, Seat Belt Symbol, Change Oil
	Keyless entry	Passive, Standard
	Tripmeter (avg. spd., fuel)	Range, Average and Instant MPG
	Voice alert (list items)	Not Available
	Other	LCD and Analog Instrumentation Standard
	Fuel door lock (remotes, key, electric)	
Integrated Child Seating	Std./opt. & location in vehicle	
	Number of occupants	
	Occupant weight/height (min. & max.)	
	Restraint system description (3 or 5-point belts/booster seat capability)	
Lamps	Auto head on/off delay, dimming	Not Available
	Cornering	Front, Standard
	Courtesy (map, reading)	Standard - One Lamp in Each Door Panel Mounted on I/S R/V Mirror
	Door lock, ignition	Not Available
	Engine compartment	Standard
	Fog	Standard
	Glove compartment	Standard - In Console & I/P
	Trunk	Std. - 2 Lamps Mounted in "B" Pillars Back of Seat, Cpe (Seat Riser, Convrt)
	Illuminated entry system (list lamps, activation)	Not Applicable
Mirrors	Other	-
	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
	Navigation system (describe)	None
	Parking brake-auto release (warning light)	Manual Release, Tell-Tale-Standard

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY6

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

Power equipment	Deck lid (release, pull down)		Standard - Electric Hatch Release (3 Remote Location)
	Door locks (manual, automatic, describe system)		Standard Deck Lid Hatch Standard Door Locks
	Seats	2 - 4 - 6 way, etc.	6-Way Optional
		Reclining (R.H., L.H.)	Manual Standard, Power Optional
		Memory (R.H., L.H., preset recline)	Not Available
		Support (lumbar, hip, thigh, etc.)	Power Optional
		Heated (R.H., L.H., other)	Not Available
	Side windows		Standard
	Vent windows		Not Available
	Rear windows		
Convertible Deck Lid		Standard - Power Release (3 Remote Locations)	
Radio systems	Antenna (location, whip, w/shield, power)		Rear Power Antenna
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo Cassette
	Optional		AM/FM Stereo Cassette / Bose AM/FM Stereo Cassette / Compact Disc / Bose
	Speaker (number, location)		Standard - 2 Front, 2 Rear Bose - 1 Each Door, 2 Rear
	Roof: open air or fixed (flip-up, sliding, "T")		Single, Full Width Lift - Off Roof Panel Conv. Fldg. Top
Speed control device		Standard - Electronic Speed & Cruise Control W/Resume Feature	
Speed warning device (light, buzzer, etc.)		Not Available	
Tachometer (rpm)		6,000 W/LT1 8,000 W/LT5	
Telephone system (describe)		Cellular Phone Power Connector in Console	
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 (Doors and Hatch).	

Trailer Towing

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 1996 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.	COUPE	CONVERTIBLE
Width			
Tread (front)	W101	1466 (57.7)	
Tread (rear)	W102	1500 (59.1)	
Vehicle width	W103	1796 (70.7)	
Body width at SgRP (front)	W117	1788 (70.4)	
Vehicle width (front doors open)	W120	3706 (145.9)	
Vehicle width (rear doors open)	W121	—	
Tumble-home (degrees)	W122	37.3	
Outside mirror width	W410	1865 (73.4)	

Length

Wheelbase	L101	2444 (96.2)	
Vehicle length	L103	4535 (178.5)	4534 (178.5)
Overhang (front)	L104	1056 (41.6)	
Overhang (rear)	L105	1035 (40.7)	
Upper structure length	L123	2358 (92.8)	
Rear Wheel C/L "X" coordinate	L127	3886 (153.0)	

Height **

Passenger distribution (front/rear)	PD1 2,3		—
Trunk/cargo load			—
Vehicle height	H101	1177 (46.3)	1202 (47.3)
Cowl point to ground	H114	841 (33.1)	
Deck point to ground	H138	895 (35.2)	
Rocker panel-front to ground	H112	176 (6.9)	
Rocker panel-rear to ground	H111	172 (6.8)	
Windshield slope angle (degrees)	H122	64.1	
Backlight slope angle (degrees)	H121	73.7	

Ground Clearance **

Front bumper to ground	H102	129 (5.1)	
Rear bumper to ground	H104	233 (9.2)	
Bumper to ground (front at curb mass (wt.))	H103	134.3 (5.3)	
Bumper to ground (rear at curb mass (wt.))	H105	258 (10.2)	
Angle of approach (degrees)	H106	15.2	
Angle of departure (degrees)	H107	16.3	
Ramp breakover angle (degrees)	H147	11.4	8.7 (0.343)
Axle differential to ground (front/rear)	H153	179 (7.0)	
Min. running ground clearance	H156	107 (4.2)	91 (3.6)
Location of min. running ground clear.		Catalytic Converter	

** 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 1996 issued Revised (●)

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

SAE
Ref.
No.

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Front Compartment

SgRP front, "X" coordinate	L31	3150 (124.0)	
Effective head room	H61	927 (36.5)	941 (37.0)
Max. effective leg room (accelerator)	L34	1068 (42.0)	
SgRP to heel point	H30	188 (7.4)	
SgRP to heel point	L53	878 (34.6)	
Back angle (degrees)	L40	28.0	
Hip angle (degrees)	L42	95.5	
Knee angle (degrees)	L44	125.5	
Foot angle (degrees)	L46	87.0	
Design H-point front travel	L17	165.0 (6.5)	
Normal driving & riding seat track trvl.	L23	147 (5.8)	
Shoulder room	W3	1368 (53.9)	
Hip room	W5	1253 (49.3)	
*** Upper body opening to ground	H50	1091 (42.9)	
Steering wheel maximum diameter*	W9	380 (15.0)	
Steering wheel angle (degrees)	H18	18.4	
Accel. heel pt. to steer. whl. cntr.	L11		
Accel. heel pt. to steer. whl. cntr.	H17		
Undepressed floor covering thickness	H67	24 (0.9)	

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	356.8 (12.6)	186.9 (6.6)
*** Liftover height	H195	898 (35.4)	

Interior Volumes (EPA Classification)

Vehicle class	Mini-Compact
Interior volume index including trunk/cargo (cu. ft.)**	Not Available, On Two Passenger Vehicles
Trunk/cargo index (cu. ft.)	—

* 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

1996

Issued

Revised (#)

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

2-DOOR HATCHBACK COUPE 1YY07

Station Wagon/MPV*

SAE
Ref.
No.

-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	792 (31.2)
Cargo length at floor (front)	L209	838 (33.0)
Cargo length at second seatback height	L210	Not Applicable
Cargo length at floor (second)	L211	-
Front seatback to load floor height	H197	454 (17.9)
Second seatback to load floor height	H198	Not Applicable
Cargo volume index m ³ (ft. ³)	V3	508L (17.9)
Hidden cargo volume index m ³ (ft. ³)	V4	Not Applicable
Cargo volume index - rear of 2-seat	V11	-

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 1996 Issued Revised (*)

METRIC (U.S. Customary)

Model Code/
Description

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

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**	552.5 (21.8)
	L54**	2830.7 (111.4)
	H81**	377 (14.8)
	H161**	187.5 (7.4)
	H163**	169.7 (6.7)
Rear	W22**	296 (11.7)
	L55**	4713.2 (185.6)
	H82**	546.5 (21.5)
	H162**	360.5 (14.2)
	H164**	337.7 (13.1)

* 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 1996

Issued

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* 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 Loss:

48 (106)

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CORVETTE

Model Year 1996

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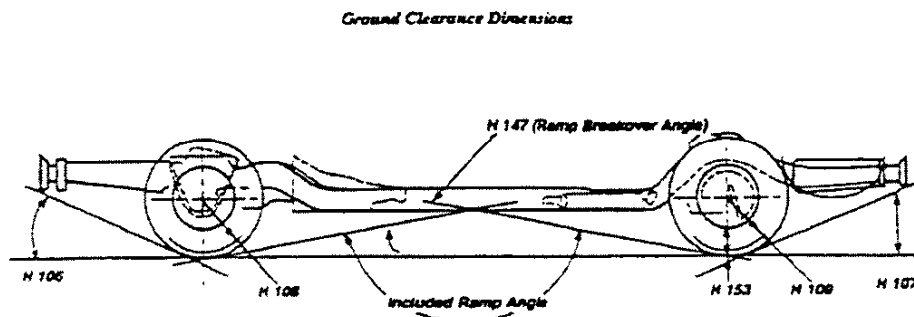
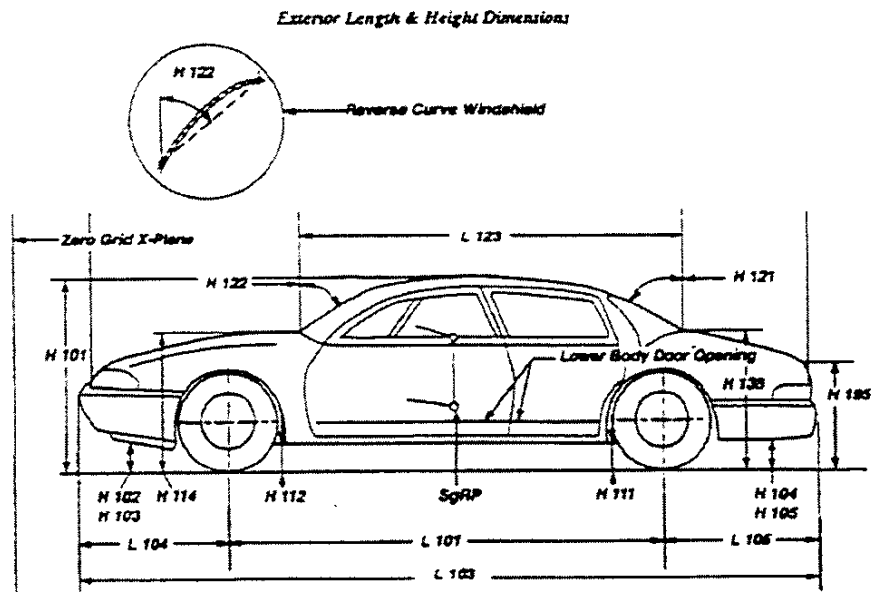
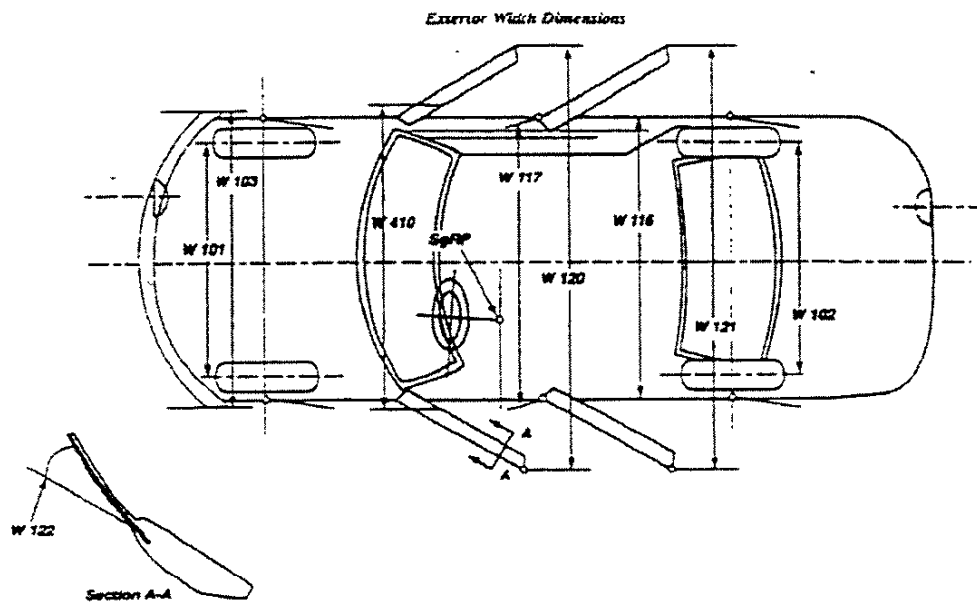
Revised (●)

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

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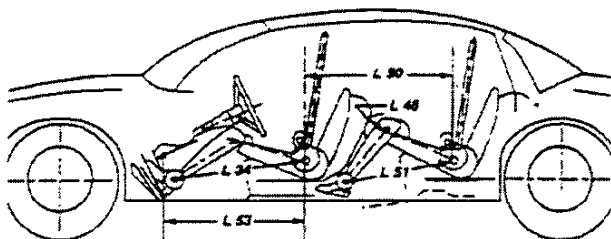
Exterior Vehicle And Body Dimensions - Key Sheet



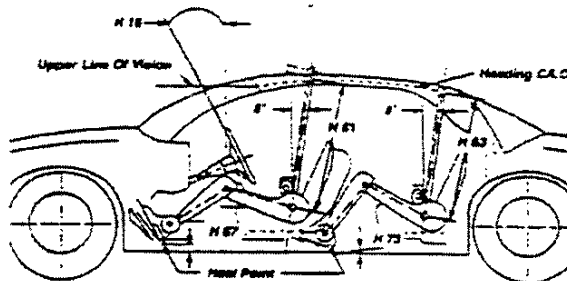
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Interior Vehicle And Body Dimensions - Key Sheet

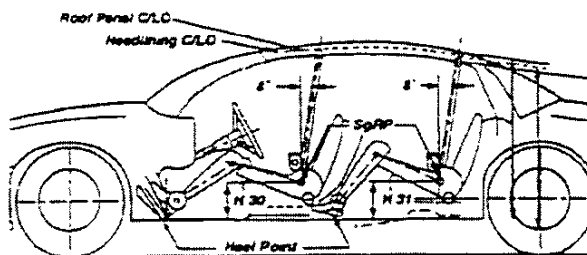
Interior Length Dimensions



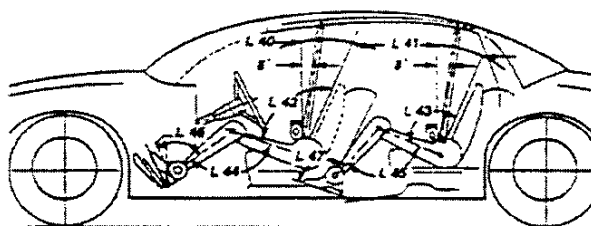
Interior Height Dimensions



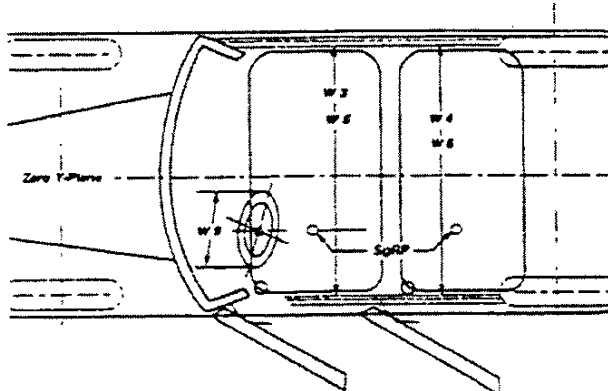
Interior Height Dimensions



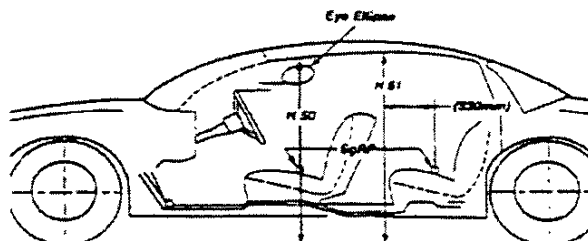
Interior Length Dimensions



Interior Width Dimensions



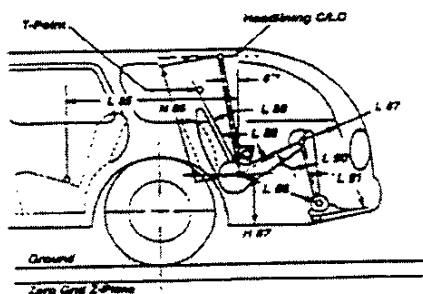
Interior Height Dimensions



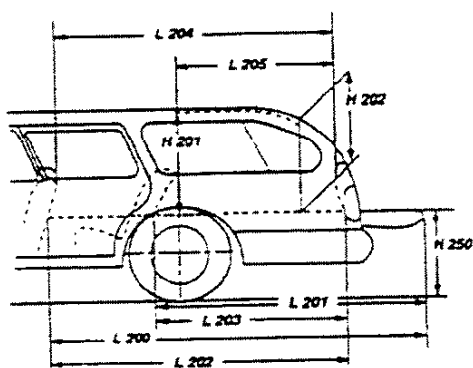
AAMA Specifications METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

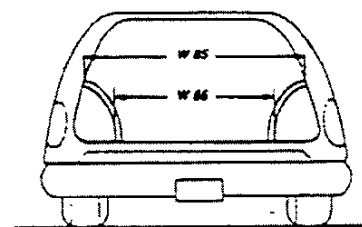
Interior Dimensions, Section Through Third Seat



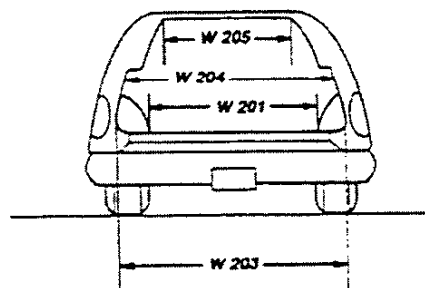
Cargo Space Dimensions



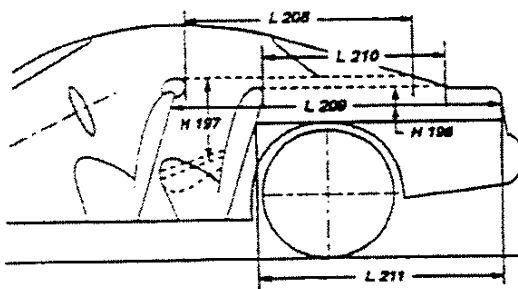
Interior Dimensions



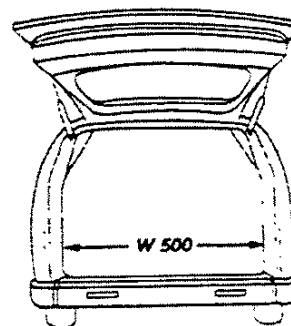
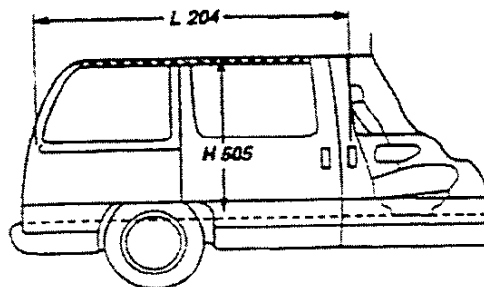
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space



AAMA Specifications

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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 foremost 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 upper 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 from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATIC LOAD-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-CURB MASS (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 angle 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.

AAMA Specifications **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 underdepressed 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 underdepressed 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.

AAMA Specifications

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 (2.0 in.). 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 wheelhouses 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.

AAMA Specifications

METRIC (U. S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

V2 STATION WAGON
Measured in inches:

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

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^6} = \text{m}^3(\text{cubicmeter})$$

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:

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

Measured in mm:

$$\frac{L506 \times W505 \times H503}{10^6} = \text{m}^3(\text{cubicmeter})$$

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

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

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^6} = \text{m}^3(\text{cubicmeter})$$

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:

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

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^6} = \text{m}^3(\text{cubicmeter})$$

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. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.

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

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is towed at least one half of the H198 dimension 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 dimension 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:

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

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^6} = \text{m}^3(\text{cubicmeter})$$

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:

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

Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^6} = \text{m}^3(\text{cubicmeter})$$

AAMA Specifications

METRIC (U. S. Customary)

Index

Subject	Page No.
Alternator	16
Axle, Drive, Front, Rear, All Four	2, 9, 10
Axle Shafts	10
Battery	16
Body and Miscellaneous Information	17
Brakes-Parking Service	12, 13
Camber	15
Camshaft	3
Capacities	
Cooling System	5
Fuel Tank	6
Lubricants	
Engine Crankcase	4
Transmission/Transaxle	8,9
Rear Axle	10
Carburetor	2,6
Caster	15
Climate Control System	19
Clutch-Pedal Operated	8
Coil, Ignition	16
Connecting Rods	4
Convenience Equipment	20-21
Cooling System	5
Crankshaft	4
Cylinders and Cylinder Head	3
Diesel Information	4
Dimension Definitions	
Key Sheet-Exterior	28,31,32
Key Sheet-Interior	29,30,32,33,34
Electrical System	15,16
Emission Controls	7
Engine-General	
Bore, Stroke, Type	3
Compression Ratio	2
Displacement	2,3
Firing Order, Cylinder Numbering	3
General Information, Power & Torque	2
Intake System	4
Power Teams	2
Exhaust System	7
Equipment Availability, Convenience	20
Fan, Cooling	5
Filters - Engine Oil, Fuel System	4
Four Wheel Drive	10
Frame	17
Front Suspension	11
Front Wheel Drive Unit	10
Fuel Economy, EPA	1
Fuel Injection	6
Fuel System	6
Fuel Tank	6
Glass	18
Headlamps	18
Headroom-Body	23,24
Heights	22
Horns	15
Horsepower-Brake	2
Ignition System	16
Inflation-Tires	13
Interior Volumes	23
Instruments	15
Legroom	23,24
Lengths	22
Leveling,Suspension	11
Lifters, Valve	4
Linings-Clutch, Brake	8,12
Lubrication-Engine Transmission/Transaxle	4,8,9
Luggage Compartment	23
Models	1
Motor Starting	16
Muffler	7
Origin	1

Subject	Page No.
Passenger Capacity	1
Passenger Mass Distribution	26
Pistons	3
Power Brakes	12
Power Engine	2
Power Steering	14
Power Teams	2
Propeller Shaft	10
Pumps-Fuel	6
Water	5
Radiator-Cap, Hoses, Core	5
Ratios-Axle, Transaxle	2,9,10
Compression	2
Steering	14
Transmission/Transaxle	2,8,9
Rear Axle	2,10
Regulator-Alternator	16
Restraint System	18
Rims	13
Rods-Connecting	4
Scrub Radius	14
Seats	17
Shock Absorbers, Front & Rear	11
Spark Plugs	16
Speedometer	15
Springs-Front & Rear Suspension	11
Stabilizer (Sway Bar)-Front & Rear	11
Starting System	16
Steering	14
Suppression-Ignition, Radio	16
Suspension-Front & Rear	11
Tail Pipe	7
Theft Protection	21
Thermostat, Cooling	5
Tires	13
Toe-In	15
Torque Converter	9
Torque-Engine	2,8,9
Trailer Towing	21
Transaxle	9
Transmission-Types	2,8,9
Transmission-Automatic	2,9
Transmission-Manual	2,8
Transmission-Ratios	2,8,9
Tread	22
Trunk Cargo Load	1
Trunk Luggage capacity	23
Turning Diameter	14
Unitized Construction	18
Universal Joints, Propeller Shaft	10
Valve System	4
Vehicle Dimensions	
Width	22
Length	22
Height	22
Ground Clearance	22
Front Compartment	23
Rear Compartment	23
Luggage Compartment	23
Station Wagon-Third Seat	24
Station Wagon-Cargo Space	24
Hatchback-Cargo Space	24
Fiducial Marks	25
Voltage Regulator	16
Water Pump	5
Weights	26,27
Wheel Alignment	15
Wheelbase	22
Wheels & Tires	13
Wheel Spindle	14
Widths	22
Windshield	18
Windshield Wiper and Washer	15