

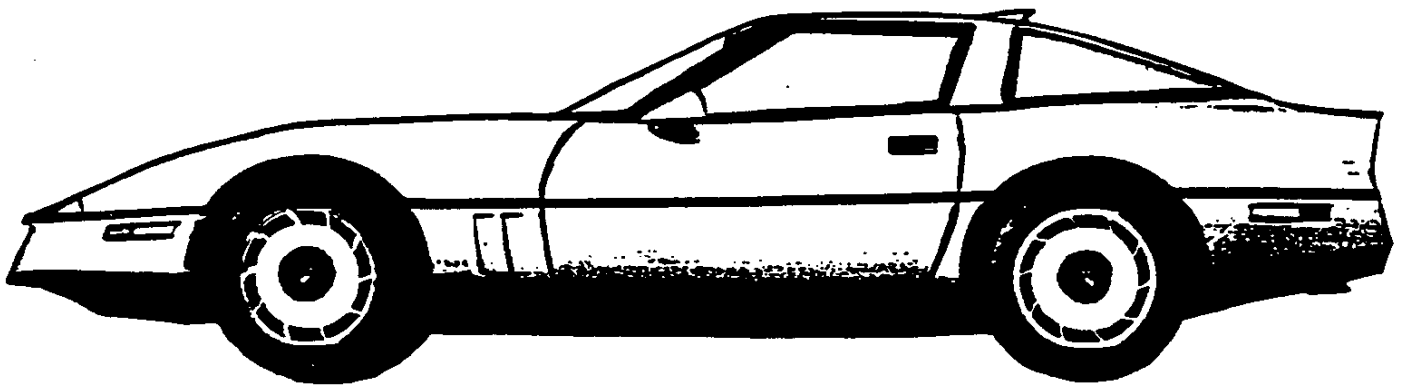




# CORVETTE

1986

**SPECIFICATIONS**



*GENUINE CHEVROLET*

1986



# SECTION OA

## GENERAL INFORMATION

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#### GENERAL INFORMATION

Information to identify the vehicle and vehicle components appears in this section. Detailed specifications on major units are given at the end of each respective section in this manual.

#### VEHICLE IDENTIFICATION NUMBER (VIN)

This is the legal identification of the vehicle. It appears on a plate which is attached to the left top of the instrument panel, and can be easily seen through the windshield from outside the car (Fig. OA-1). The VIN also appears on the Vehicle Certificates of Title and Registration. Refer to Figure OA-2 for VIN plate identification.

#### FLUID CAPACITIES

Refer to Figure OA-3 for fluid capacities.

#### UNIT IDENTIFICATION NUMBERS

For the convenience of service personnel when writing up certain business papers such as Warranty Claims or Product Information Reports, Figures OA-4 through OA-5 indicate the location of unit identification numbers for the various components.

#### LUBRICATION POINTS

Refer to Figure OA-7 for typical lubrication points.

#### VEHICLE LIFTING PROCEDURES

**NOTICE:** When jacking or lifting vehicle from frame side rails, be certain lift pads do not contact catalytic converter as damage to converter could result.

Figures OA-8 and OA-9 indicate the preferred methods of lifting the vehicle using a hoist. If any other hoist methods are used, special care must be used not to damage the fuel tank, filler neck, exhaust system or underbody.

#### Rear Spindle Support Protector Sleeve

The Rear Spindle Support Rods, along with a protector, may be used to support the rear end of the Corvette when using a twin post hoist to raise the vehicle

A protector for the spindle support rods may be fabricated as shown in Figure OA-6 to prevent surface nicks or gouges where the lifts contact the rods.

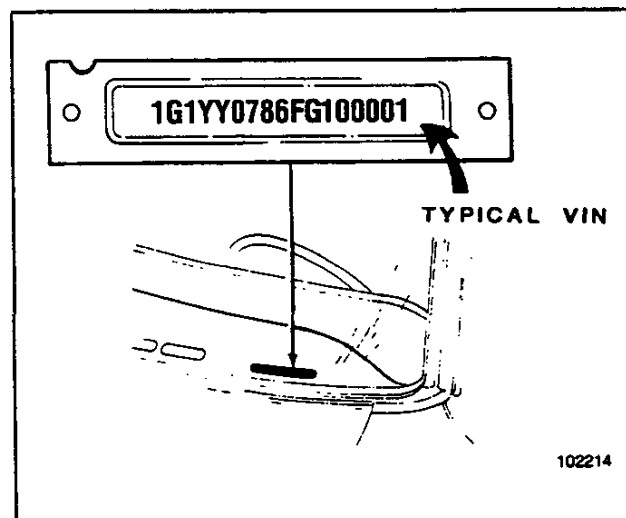
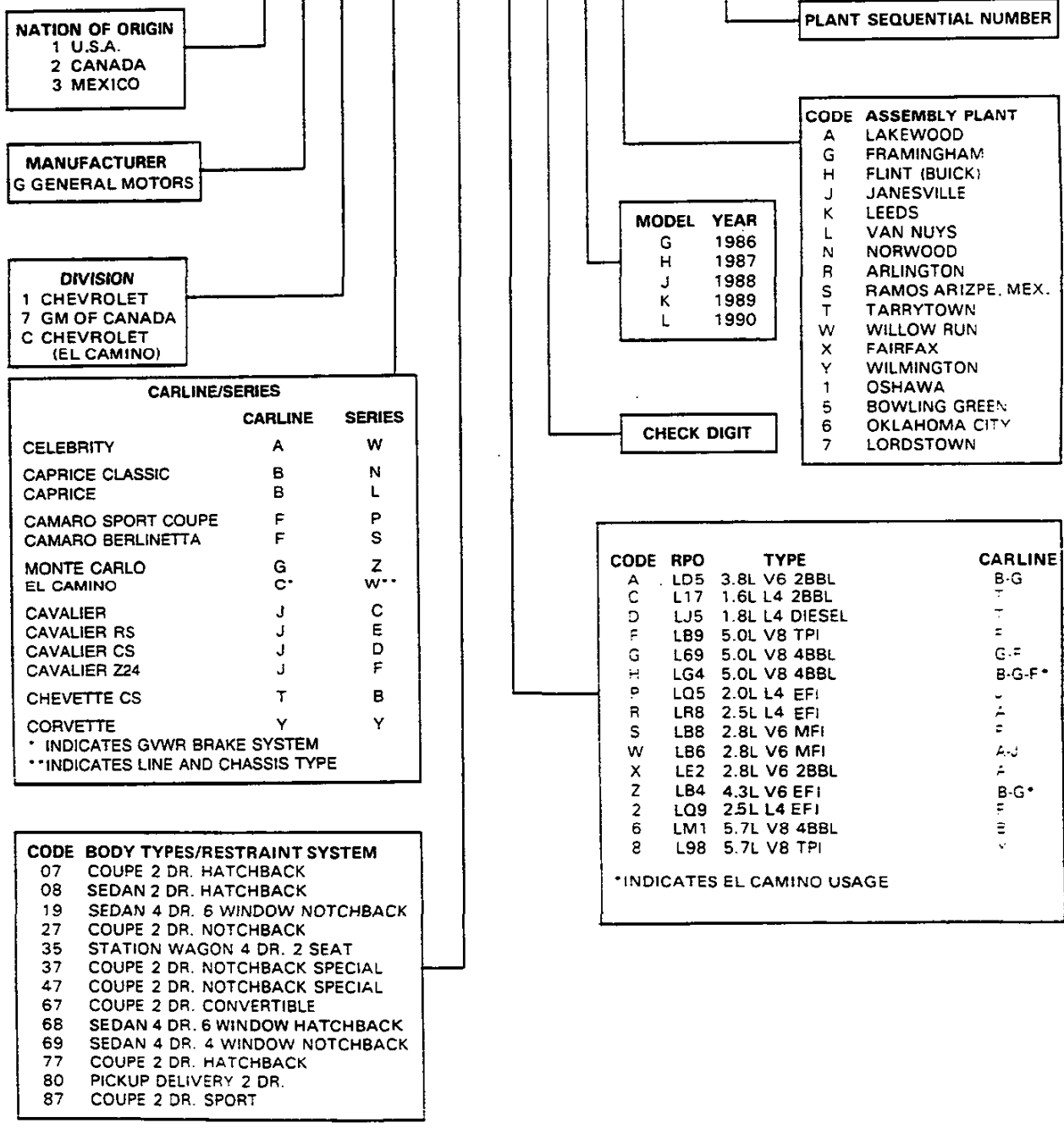


Figure OA-1 Vehicle Identification Number Location

# PASSENGER CAR VEHICLE IDENTIFICATION NUMBER

1 G 1 Y Y 0 7 8 6 G 5 0 0 0 0 0 0



**NATION OF ORIGIN**  
 1 U.S.A.  
 2 CANADA  
 3 MEXICO

**MANUFACTURER**  
 G GENERAL MOTORS

**DIVISION**  
 1 CHEVROLET  
 7 GM OF CANADA  
 C CHEVROLET (EL CAMINO)

CARLINE/SERIES		
	CARLINE	SERIES
CELEBRITY	A	W
CAPRICE CLASSIC	B	N
CAPRICE	B	L
CAMARO SPORT COUPE	F	P
CAMARO BERLINETTA	F	S
MONTE CARLO	G	Z
EL CAMINO	C	W**
CAVALIER	J	C
CAVALIER RS	J	E
CAVALIER CS	J	D
CAVALIER Z24	J	F
CHEVETTE CS	T	B
CORVETTE	Y	Y

\* INDICATES GVWR BRAKE SYSTEM  
 \*\*INDICATES LINE AND CHASSIS TYPE

CODE	BODY TYPES/RESTRAINT SYSTEM
07	COUPE 2 DR. HATCHBACK
08	SEDAN 2 DR. HATCHBACK
19	SEDAN 4 DR. 6 WINDOW NOTCHBACK
27	COUPE 2 DR. NOTCHBACK
35	STATION WAGON 4 DR. 2 SEAT
37	COUPE 2 DR. NOTCHBACK SPECIAL
47	COUPE 2 DR. NOTCHBACK SPECIAL
67	COUPE 2 DR. CONVERTIBLE
68	SEDAN 4 DR. 6 WINDOW HATCHBACK
69	SEDAN 4 DR. 4 WINDOW NOTCHBACK
77	COUPE 2 DR. HATCHBACK
80	PICKUP DELIVERY 2 DR.
87	COUPE 2 DR. SPORT

**PLANT SEQUENTIAL NUMBER**

CODE	ASSEMBLY PLANT
A	LAKEWOOD
G	FRAMINGHAM
H	FLINT (BUICK)
J	JANESVILLE
K	LEEDS
L	VAN NUYS
N	NORWOOD
R	ARLINGTON
S	RAMOS ARIZPE. MEX.
T	TARRYTOWN
W	WILLOW RUN
X	FAIRFAX
Y	WILMINGTON
1	OSHAWA
5	BOWLING GREEN
6	OKLAHOMA CITY
7	LORDSTOWN

MODEL YEAR	
G	1986
H	1987
J	1988
K	1989
L	1990

**CHECK DIGIT**

CODE	RPO	TYPE	CARLINE
A	LD5	3.8L V6 2BBL	B-G
C	L17	1.6L L4 2BBL	T
D	LJ5	1.8L L4 DIESEL	T
F	LB9	5.0L V8 TPI	H
G	L69	5.0L V8 4BBL	G-F
H	LG4	5.0L V8 4BBL	B-G-F*
P	LQ5	2.0L L4 EFI	J
R	LR8	2.5L L4 EFI	J
S	LB8	2.8L V6 MFI	H
W	LB6	2.8L V6 MFI	A-J
X	LE2	2.8L V6 2BBL	A
Z	LB4	4.3L V6 EFI	B-G*
2	LQ9	2.5L L4 EFI	J
6	LM1	5.7L V8 4BBL	K
8	L98	5.7L V8 TPI	K

\*INDICATES EL CAMINO USAGE

Figure OA-2 Vehicle Identification Number Codes

**APPROXIMATE CAPACITIES**

Cooling System .....	13.29L	14.0 Qts.
Crankcase* 5.7L V8		
Oil Change Only .....	3.8L	4.0 Qts.
Oil and Filter Change .....	4.7L	5.0 Qts.
Automatic Transmission (700 R-4)		
Pan Removal .....	4.7L	10.0 Pts.
Overhaul .....	10.9L	23.0 Pts.
Fuel Tank .....	75.7L	20.0 Gal.

\*After refill, check oil level as outlined in the "Service and Maintenance" section of the Owner's Manual

Figure OA-3 Fluid Capacities

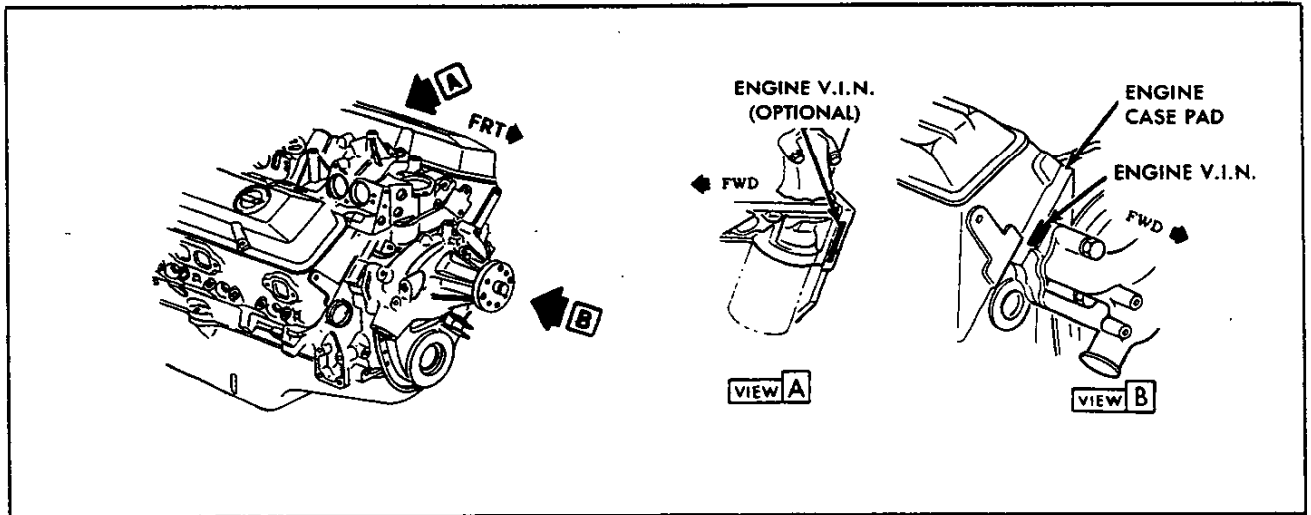


Figure OA-4 Engine V.I.N. Location

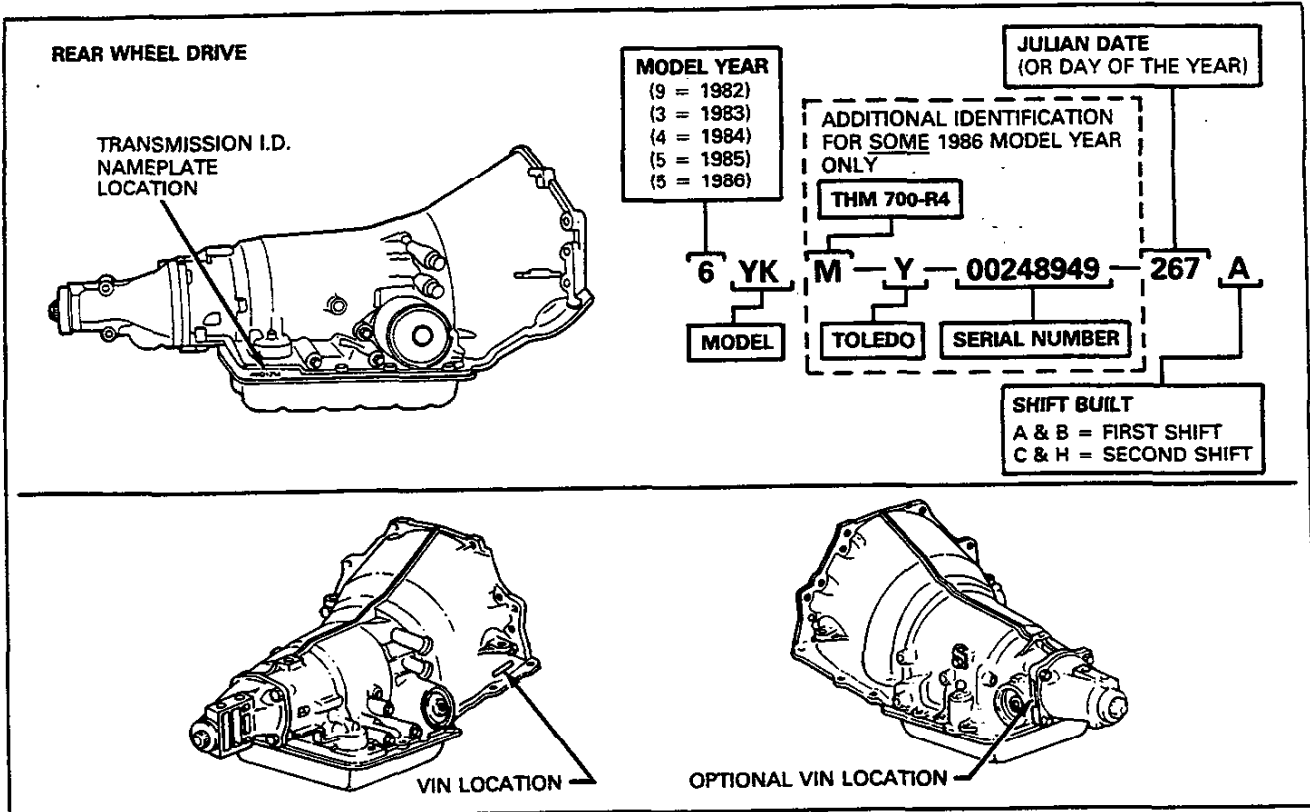


Figure OA-5 Automatic Transmission Identification

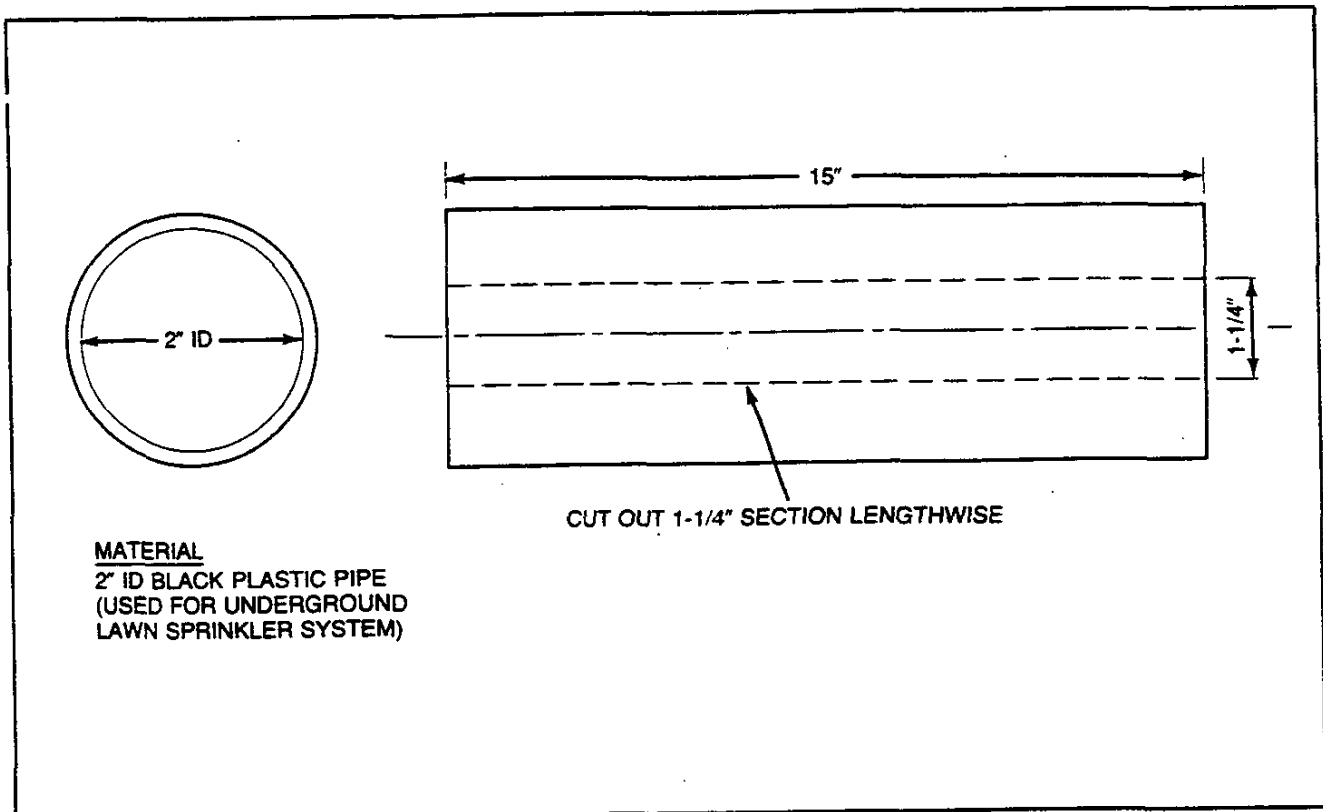


Figure OA-6 Support Rod Protector Sleeve

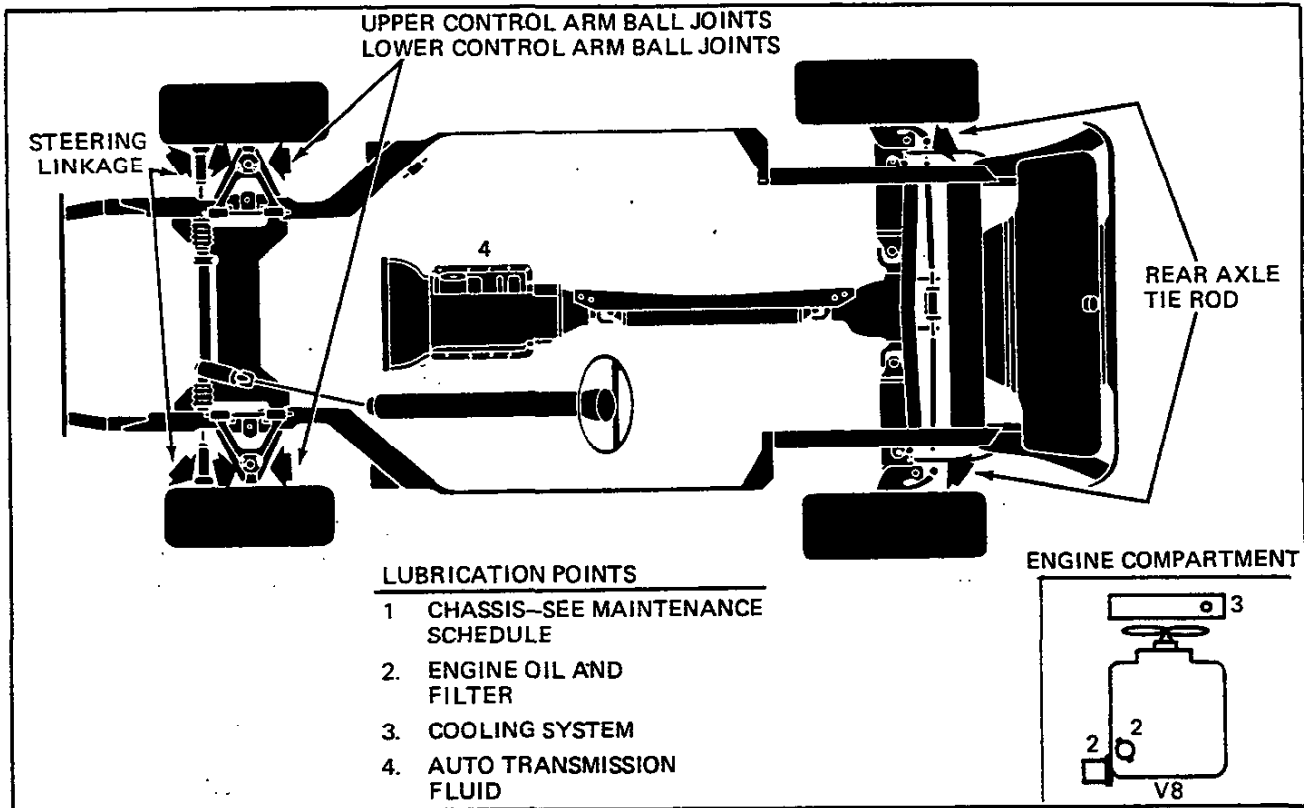


Figure OA-7 Lubrication Diagram

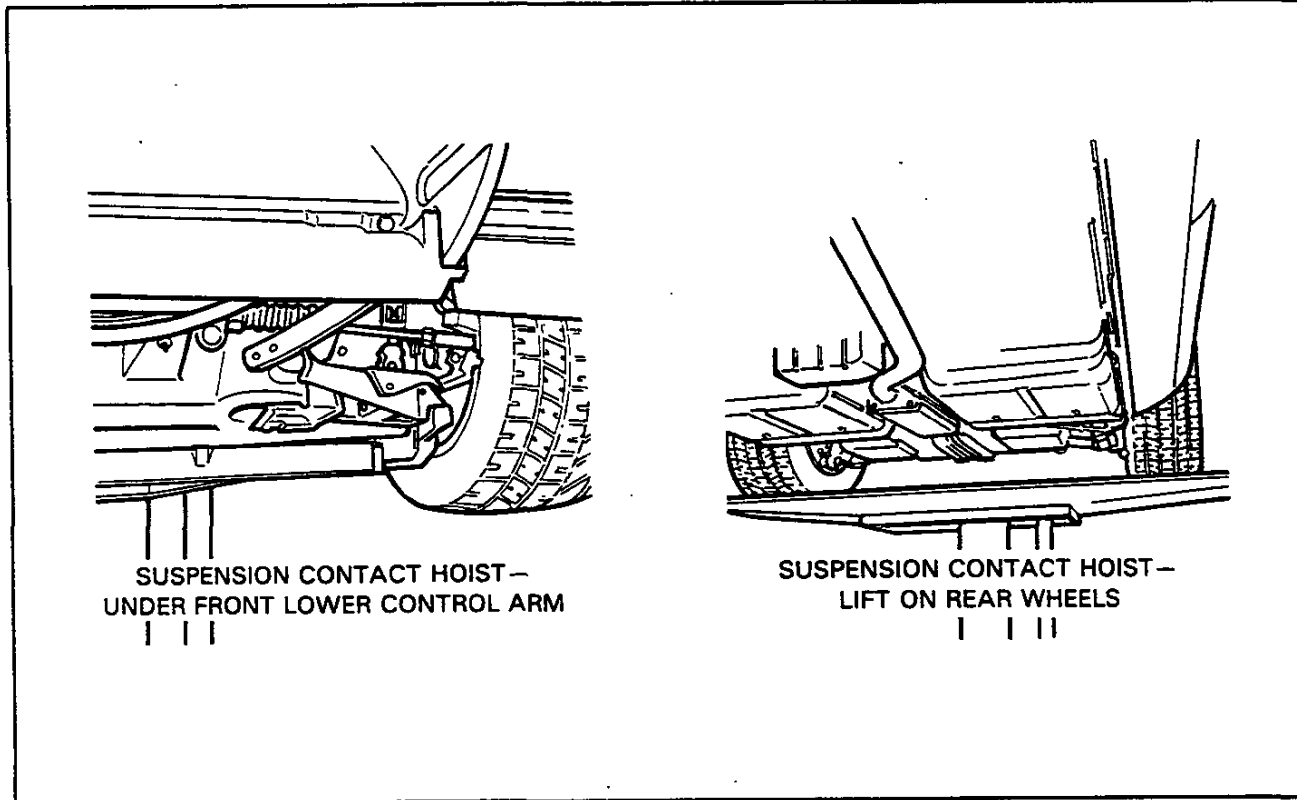


Figure OA-8 Vehicle Lift Points - Suspension Contact Hoist



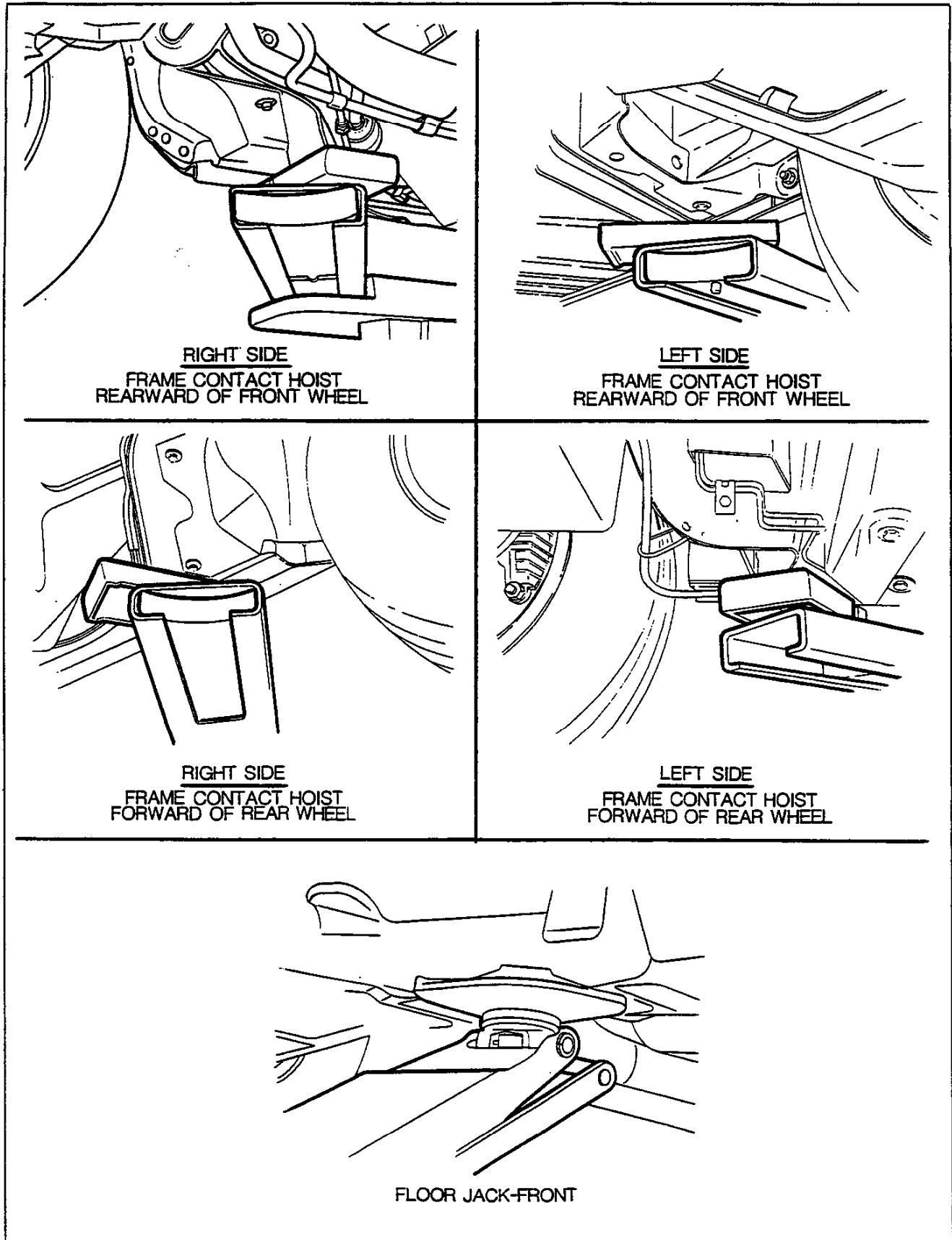


Figure OA-9 Vehicle Lift Points (Cont.)

### USE OF METRIC AND CUSTOMARY NUTS, BOLTS AND SCREWS

Some vehicles present special service requirements to the technician due to the use of both metric and customary (inch) type nuts, bolts and screws. Many are metric and some are very close in dimension to customary nuts, bolts and screws in the inch system. Mismatched or incorrect nuts, bolts and screws can result in damage, malfunction or possible personal injury. Nuts, bolts and screws removed from the vehicle should be saved for re-use whenever possible. If they are not re-usable, care should be taken to select a replacement that matches the original.

General Motors Engineering Standards have adopted a portion of the standard metric fastener sizes defined by SI (Systeme International). This was done to reduce the number of sizes used and yet retain the best strength characteristics in each thread size. For example, the customary 1/4-20 and 1/4-28 screws are replaced by the metric M6.3 x 1 screw which has nearly the same diameter and 25.4 threads per inch. The thread pitch is in between the customary coarse and fine thread pitches.

Metric and customary thread notation differ slightly. The difference is illustrated below.

CUSTOMARY	METRIC
1/4	M6.3
Thread Major Diameter in Inches	Thread Major Diameter in Millimeters
20	1
Number of Threads per Inch	Distance Between Threads in Millimeters

Care should be taken when servicing the vehicle to guard against cross threading or improper retention due to interchanged metric and inch nuts and bolts.

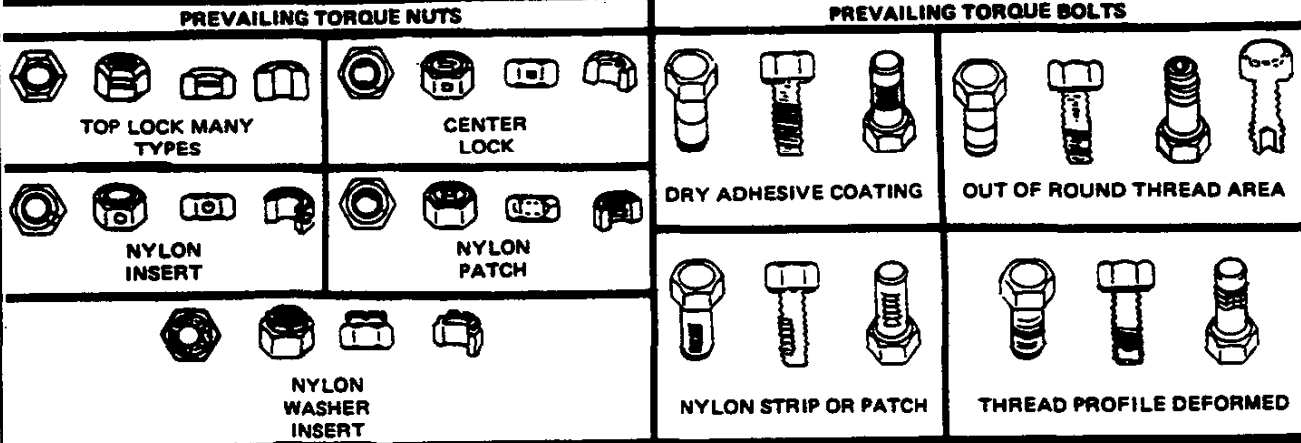
When obtaining metric or customary nuts, bolts, and screws locally for servicing the vehicle, care must be exercised in selecting parts that are equivalent to the original parts in dimensions, strength, and pitch of threads.

Figure OA-10 Metric Information, Chart A

# REUSE OF PREVAILING TORQUE NUT(S) AND BOLT(S)

PREVAILING TORQUE NUTS ARE THOSE NUTS WHICH INCORPORATE A SYSTEM TO DEVELOP AN INTERFERENCE BETWEEN NUT AND BOLT THREADS INTERFERENCE IS MOST COMMONLY ACHIEVED BY DISTORTING TOP OF ALL-METAL NUT, BUT ALSO MAY BE ACHIEVED BY DISTORTING AT MIDDLE OF HEX FLAT, BY NYLON PATCH ON THREADS, BY NYLON WASHER INSERT AT TOP OF NUT AND BY NYLON INSERT THROUGH NUT.

PREVAILING TORQUE BOLTS ARE THOSE BOLTS WHICH INCORPORATE A SYSTEM TO DEVELOP AN INTERFERENCE BETWEEN BOLT AND NUT OR TAPPED HOLE THREADS. INTERFERENCE IS ACHIEVED BY DISTORTING SOME OF THE THREADS (SEVERAL METHODS EXIST), BY APPLYING A NYLON PATCH OR STRIP OR BY ADHESIVE COATING ON THREADS.



**RECOMMENDATIONS FOR REUSE**

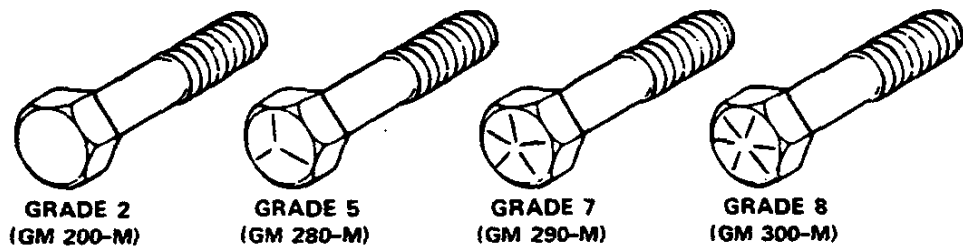
- A. CLEAN, UNRUSTED PREVAILING TORQUE BOLTS AND NUTS MAY BE REUSED AS FOLLOWS:
  1. CLEAN DIRT AND OTHER FOREIGN MATERIAL OFF NUT AND BOLT.
  2. INSPECT BOLT AND NUT TO ASSURE THERE ARE NO CRACKS, ELONGATION OR OTHER SIGNS OF ABUSE OR OVERTIGHTENING. LIGHTLY LUBRICATE THREADS. (IF ANY DOUBT, REPLACE WITH NEW PREVAILING TORQUE FASTENER OF EQUAL OR GREATER STRENGTH.)
  3. ASSEMBLE PARTS AND START BOLT OR NUT.
  4. OBSERVE THAT BEFORE FASTENER SEATS, IT DEVELOPS PREVAILING TORQUE PER CHART BELOW. (IF ANY DOUBT, INSTALL NEW PREVAILING TORQUE FASTENER OF EQUAL OR GREATER STRENGTH).
  5. TIGHTEN TO TORQUE SPECIFIED IN SERVICE MANUAL.
- B. BOLTS AND NUTS WHICH ARE RUSTY OR DAMAGED SHOULD BE REPLACED WITH NEW PARTS OF EQUAL OR GREATER STRENGTH.

		METRIC SIZES							
		6 & 6.3	8	10	12	14	16	20	
NUTS AND ALL METAL BOLTS	N•m	0.4	0.8	1.4	2.2	3.0	4.2	7.0	
	In. Lbs.	4.0	7.0	12	18	25	35	57	
ADHESIVE OR NYLON COATED BOLTS	N•m	0.4	0.6	1.2	1.6	2.4	3.4	5.6	
	In. Lbs.	4.0	5.0	10	14	20	28	46	
		INCH SIZES							
		.250	.312	.375	.437	.500	.562	.625	.750
NUTS AND ALL METAL BOLTS	N•m	0.4	0.6	1.4	1.8	2.4	3.2	4.2	6.2
	In. Lbs.	4.0	5.0	12	15	20	27	35	51
ADHESIVE OR NYLON COATED BOLTS	N•m	0.4	0.6	1.0	1.4	1.8	2.6	3.4	5.2
	In. Lbs.	4.0	5.0	9.0	12	15	22	28	43

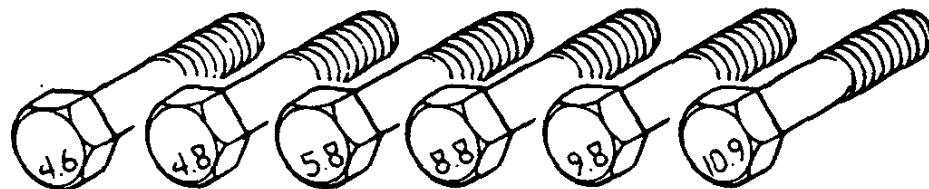
Figure OA-11 Metric Information, Chart B

METRIC BOLT AND NUT IDENTIFICATION

Common metric fastener strength property classes are 9.8 and 10.9 with the class identification embossed on the head of each bolt. Customary (inch) strength classes range from grade 2 to 8 with line identification embossed on each bolt head. Markings correspond to two lines less than the actual grade (i.e. grade 7 bolt will exhibit 5 embossed lines on the bolt head). Some metric nuts will be marked with single digit strength identification numbers on the nut face. The following figure illustrates the different strength markings.



Customary (inch) bolts - Identification marks correspond to bolt strength - Increasing numbers represent increasing strength.

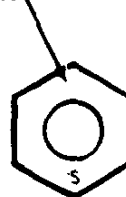


Metric Bolts - Identification class numbers correspond to bolt strength - Increasing numbers represent increasing strength.

MANUFACTURERS IDENTIFICATION



NUT STRENGTH IDENTIFICATION



POSIDRIV SCREW HEAD



IDENTIFICATION MARKS (4)

Figure OA-12 Metric Information, Chart C

SI METRIC-CUSTOMARY CONVERSION TABLE

Multiply	by	to get equivalent number of:	Multiply	by	to get equivalent number of:
	<b>LENGTH</b>			<b>ACCELERATION</b>	
Inch	25.4	millimeters (mm)	Foot/sec <sup>2</sup>	0.304	meter/sec <sup>2</sup> (m/s <sup>2</sup> )
Foot	0.304	meters (m)	Inch/sec <sup>2</sup>	0.025	meter/sec <sup>2</sup>
Yard	0.914	kilometers (km)			
Mile	1.609				
	<b>AREA</b>			<b>TORQUE</b>	
Inch <sup>2</sup>	645.2	millimeters <sup>2</sup> (mm <sup>2</sup> )	Pound-inch	0.112	newton-meters (N-m)
Foot <sup>2</sup>	6.45	centimeters <sup>2</sup> (cm <sup>2</sup> )	Pound-foot	1.355	newton-meters
Yard <sup>2</sup>	0.092	meters <sup>2</sup> (m <sup>2</sup> )			
	<b>VOLUME</b>			<b>POWER</b>	
Inch <sup>3</sup>	16.387	mm <sup>3</sup>	Horsepower	0.746	kilowatts (kW)
Quart	0.016	liters (l)			
Gallon	0.946	liters			
Yard <sup>3</sup>	3.785	liters			
	<b>MASS</b>			<b>PRESSURE OR STRESS</b>	
Pound	0.453	kilograms (kg)	Inches of mercury	3.377	kilopascals (kPa)
Ton	907.18	kilograms (kg)	Pounds/sq. in.	6.895	kilopascals
Ton	0.907	tonne (t)			
	<b>FORCE</b>			<b>ENERGY OR WORK</b>	
Kilogram	9.807	newtons (N)	BTU	1.055	joules (J)
Ounce	0.278	newtons	Foot-pound	1.355	joules
Pound	4.448	newtons	Kilowatt-hour	3 600 000. or 3.6x10 <sup>6</sup>	joules (J = one W's)
	<b>TEMPERATURE</b>			<b>LIGHT</b>	
Degree Fahrenheit	(°F-32) ÷ 1.8	degree Celsius (C)	Foot candle	10.764	lumens/meter <sup>2</sup> (lm/m <sup>2</sup> )
				<b>FUEL PERFORMANCE</b>	
			Miles/gal	0.425	kilometers/liter (km/l)
			Gal/mile	2.352	liters/kilometer (l/km)
				<b>VELOCITY</b>	
			Miles/hour	1.609	kilometer/hr. (km/h)

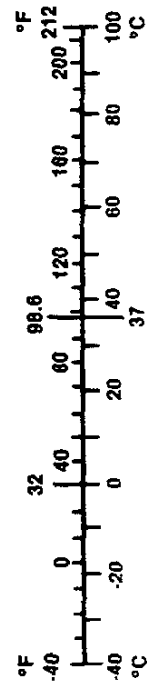


Figure OA-13 Metric Information, Chart D

## DECIMAL AND METRIC EQUIVALENTS

Fractions	Decimal In.	Metric MM.	Fractions	Decimal In.	Metric MM.
1/64	.015625	.39688	33/64	.515625	13.09687
1/32	.03125	.79375	17/32	.53125	13.49375
3/64	.046875	1.19062	35/64	.546875	13.89062
1/16	.0625	1.58750	9/16	.5625	14.28750
5/64	.078125	1.98437	37/64	.578125	14.68437
3/32	.09375	2.38125	19/32	.59375	15.08125
7/64	.109375	2.77812	39/64	.609375	15.47812
1/8	.125	3.1750	5/8	.625	15.87500
9/64	.140625	3.57187	41/64	.640625	16.27187
5/32	.15625	3.96875	21/32	.65625	16.66875
11/64	.171875	4.36562	43/64	.671875	17.06562
3/16	.1875	4.76250	11/16	.6875	17.46250
13/64	.203125	5.15937	45/64	.703125	17.85937
7/32	.21875	5.55625	23/32	.71875	18.25625
15/64	.234375	5.95312	47/64	.734375	18.65312
1/4	.250	6.35000	3/4	.750	19.05000
17/64	.265625	6.74687	49/64	.765625	19.44687
9/32	.28125	7.14375	25/32	.78125	19.84375
19/64	.296875	7.54062	51/64	.796875	20.24062
5/16	.3125	7.93750	13/16	.8125	20.63750
21/64	.328125	8.33437	53/64	.828125	21.03437
11/32	.34375	8.73125	27/32	.84375	21.43125
23/64	.359375	9.12812	55/64	.859375	21.82812
3/8	.375	9.52500	7/8	.875	22.22500
25/64	.390625	9.92187	57/64	.890625	22.62187
13/32	.40625	10.31875	29/32	.90625	23.01875
27/64	.421875	10.71562	59/64	.921875	23.41562
7/16	.4375	11.11250	15/16	.9375	23.81250
29/64	.453125	11.50937	61/64	.953125	24.20937
15/32	.46875	11.90625	31/32	.96875	24.60625
31/64	.484375	12.30312	63/64	.984375	25.00312
1/2	.500	12.70000	1	1.00	25.40000

Figure OA-14 Metric Information, Chart E

**LIST OF AUTOMOTIVE ABBREVIATIONS  
WHICH MAY BE USED IN THIS MANUAL**

<p>A - Ampere(s)                      A-6 - Axial 6 Cyl. A/C Compressor                      A/C - Air Conditioning                      ACC - Automatic Climate Control                      Adj. - Adjust                      A/F - Air/Fuel (As in Air/Fuel Ratio)                      AIR - Air Injection Reaction System                      ALC - Automatic Level Control                      ALCL - Assembly Line Communications Link                      Alt. - Altitude                      APT - Adjustable Part Throttle                      AT - Automatic Transmission                      ATC - Automatic Temperature Control                      ATDC - After Top Dead Center</p> <p>BARO - Barometric Absolute Pressure Sensor                      Bat. - Battery                      Bat. + - Positive Terminal                      Bbl. - Barrel                      BHP - Brake Horsepower                      BP - Back Pressure                      BTDC - Before Top Dead Center</p> <p>Cat. Conv. - Catalytic Converter                      CC - Catalytic Converter                      - Cubic Centimeter                      - Converter Clutch                      CCC - Computer Command Control                      C-4 - Computer Controlled Catalytic Converter                      CB - Citizens Band (Radio)                      CCOT - Cycling Clutch (Orifice) Tube                      CCP - Controlled Canister Purge                      C.E. - Check Engine                      CEAB - Cold Engine Airbleed                      CEMF - Counter Electromotive Force                      CID - Cubic Inch Displacement                      CLOOP - Closed Loop                      CLCC - Closed Loop Carburetor Control                      CLTBI - Closed Loop Throttle Body Injection                      Conv. - Converter                      CP - Canister Purge                      Cu. In. - Cubic Inch                      CV - Constant Velocity                      Cyl. - Cylinder(s)</p> <p>DBB - Dual Bed Bead                      DBM - Dual Bed Monolith                      DEFI - Digital Electronic Fuel Injection                      DFI - Digital Fuel Injection                      Diff. - Differential                      Distr. - Distributor</p> <p>EAC - Electric Air Control Valve                      EAS - Electric Air Switching Valve                      ECC - Electronic Comfort Control                      ECM - Electronic Control Module                      ECS - Emission Control System                      ECU - Engine Calibration Unit                      EEC - Evaporative Emission Control                      EEVIR - Evaporator Equalized Valves in Receiver</p>	<p>EFE - Early Fuel Evaporation                      EFI - Electronic Fuel Injection                      EGR - Exhaust Gas Recirculation                      ELC - Electronic Level Control                      EMF - Electromotive Force                      EMR - Electronic Module Retard                      EOS - Exhaust Oxygen Sensor                      ESC - Electronic Spark Control                      EST - Electronic Spark Timing                      ETC - Electronic Temperature Control                      ETCC - Electronic Touch Comfort Control                      ETR - Electronically Tuned Receiver                      Exh. - Exhaust</p> <p>FMVSS - Federal Motor Vehicle Safety Standards                      Ft. Lb. - Foot Pounds (Torque)                      FWD - Front Wheel Drive                      - Four Wheel Drive                      4 x 4 - Four Wheel Drive</p> <p>HD - Heavy Duty                      HEI - High Energy Ignition                      Hg. - Mercury                      Hi. Alt. - High Altitude                      HVAC - Heater-Vent-Air Conditioning                      HVACM - Heater-Vent-Air Conditioning Module                      HVM - Heater-Vent-Module</p> <p>IAC - Idle Air Control                      IC - Integrated Circuit                      ID - Identification                      - Inside Diameter                      ILC - Idle Load Compensator                      I/P - Instrument Panel                      ISC - Idle Speed Control</p> <p>km - Kilometers                      km/hr - Kilometers Per Hour                      KV - Kilovolts (Thousands of Volts)                      km/L - Kilometers/Liter (mpg)                      kPa - Kilopascals</p> <p>L - Liter                      L-4 - Four Cylinder In-Line (Engine)                      L-6 - Six Cylinder In-Line (Engine)                      LF - Left Front                      LR - Left Rear</p> <p>Man. Vac. - Manifold Vacuum                      MAP - Manifold Absolute Pressure                      MAT - Manifold Air Temperature Sensor                      M/C - Mixture Control                      MPG - Miles Per Gallon                      MPH - Miles Per Hour                      MT - Manual Transmission</p> <p>N·m - Newton Metres (Torque)                      OD - Outside Diameter</p>	<p>OHC - Overhead Cam                      OL - Open Loop                      OXY - Oxygen</p> <p>PAIR - Pulse Air Injection Reaction System                      P/B - Power Brakes                      PCV - Positive Crankcase Ventilation                      PECV - Power Enrichment Control Valve                      P/N - Park, Neutral                      PROM - Programmable, Read Only Memory                      P/S - Power Steering                      PSI - Pounds Per Square Inch                      Pt. - Pint                      PTO - Power Takeoff</p> <p>Qt. - Quart</p> <p>R - Resistance                      R-4 - Radial Four Cyl. A/C Compressor                      RF - Right Front                      RPM - Revolutions Per Minute                      RR - Right Rear                      RTV - Room Temperature Vulcanizing (Sealer)                      RVR - Response Vacuum Reducer                      RWD - Rear Wheel Drive</p> <p>SAE - Society of Automotive Engineers                      SI - System International                      Sol. - Solenoid</p> <p>TAC - Thermostatic Air Cleaner                      TACH - Tachometer                      TBI - Throttle Body Injection                      TCC - Transmission Converter Clutch                      TCS - Transmission Controlled Spark                      TDC - Topdead Center                      TPS - Throttle Position Sensor                      TURB - Turbocharger                      T/V - Throttle Valve                      TVBV - Turbocharger Vacuum Bleed Valve                      TVRS - Television &amp; Radio Suppression                      TVS - Thermal Vacuum Switch</p> <p>UJT - Universal Joint</p> <p>V - Volt(s)                      V-6 - Six Cylinder Engine - Arranged in a "V"                      V-8 - Eight Cylinder Engine - Arranged in a "V"                      Vac. - Vacuum                      VATS - Vehicle Anti-Theft System                      VIN - Vehicle Identification Number                      VIR - Valves in Receiver                      VSS - Vehicle Speed Sensor                      VMV - Vacuum Modulator Valve</p> <p>W - With                      W/B - Wheel Base                      W/O - Without                      WOT - Wide Open Throttle</p> <p>X-Valve - Expansion Valve</p>
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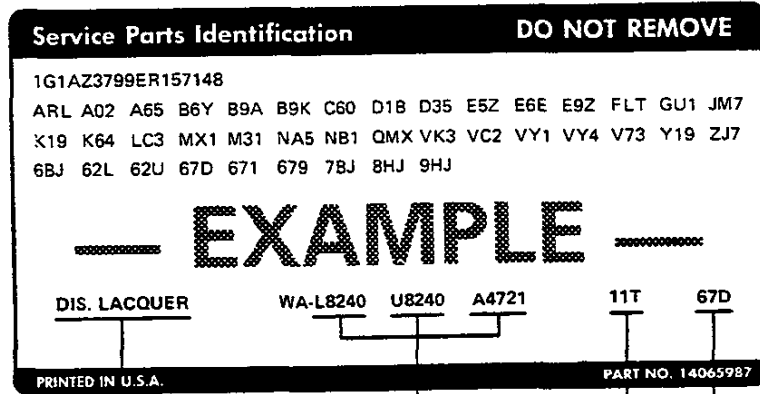
Figure OA-15 Common Abbreviations

### SERVICE PARTS IDENTIFICATION LABEL

The Service Parts Identification Label provides identification of vehicle equipment to assist in servicing and determining replacement parts. Included on this label will be regular production options (RPO's) as well as standard and mandatory options. The label will be af-

fixed to the inside of each passenger car vehicle at the assembly plant.

For additional information on the Service Parts Identification Label, see a GM Parts Catalog.



- PAINT TECHNOLOGY
- SOLUTION LACQUER
  - DISPERSION LACQUER
  - HIGH SOLIDS ENAMEL
  - WATERBORNE ENAMEL
  - BASECOAT/CLEARCOAT

- PAINT CODES AND LOCATIONS
- L - LOWER BODY COLOR
  - U - UPPER BODY COLOR
  - A - MIDDLE BODY OR ACCENT COLOR (STRIPING, ETC.)

VINYL TOP COLOR (IF APPLICABLE)

TRIM COMBINATIONS

### LABEL LOCATION

CORVETTE

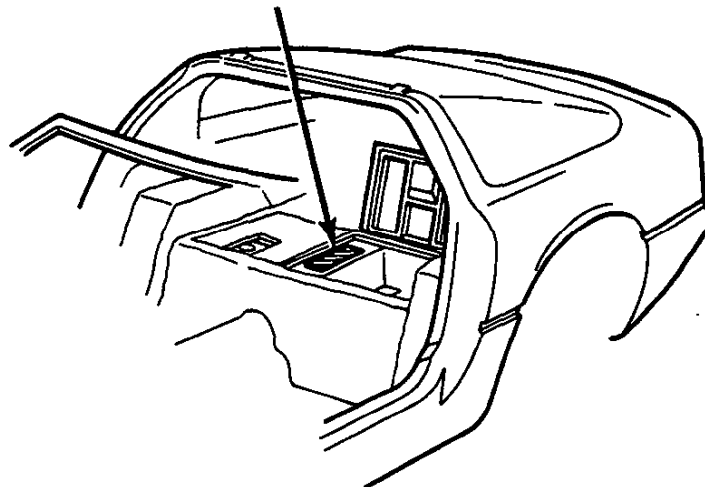


Figure OA-16 Service Parts Identification Label





# 1986 CORVETTE

Production: 27,794 coupe, 7,315 convertible, 35,109 total

## 1986 NUMBERS

**Vehicle:** 1G1YY0789G5100001 thru 1G1YY0789G5127794 (coupe)  
1G1YY6789G5900001 thru 1G1YY6789G5907315 (conv)  
• Ninth digit is a check code and varies.

**Suffix:** DKF: 350ci, 230hp, ih, at, oc      ZJS: 350ci, 235hp, ah, at, oc  
DKC: 350ci, 230hp, ih, at              ZJH: 350ci, 235hp, ah, at  
DKH: 350ci, 230hp, ih, at, ex          ZKD: 350ci, 235hp, ah, at, ex  
DKD: 350ci, 230hp, ih, mt, oc        ZJW: 350ci, 235hp, ah, mt, oc  
DKB: 350ci, 230hp, ih, mt              ZKA: 350ci, 235hp, ah, mt

**Block:** 14088548: All

**Head:** 462624: 350ci, 230hp, ih      14101128: 350ci, 235hp, ah

**Abbreviations:** ah=aluminum heads, at=automatic transmission,  
ci=cubic inch, ex=export, hp=horsepower, ih=iron heads, mt=manual  
transmission, oc=engine oil cooler.

## 1986 FACTS

- A Corvette convertible model was introduced in interim 1986, the first Chevrolet-built Corvette convertible since the 1975 model. The 1986 Corvette was the pace car for the 1986 Indianapolis 500. All 1986 Corvette convertibles sold were designated as pace car replicas and all included decal packages for dealer or customer installation.
- An anti-lock brake system (ABS) became standard with 1986 Corvettes. An adaptation of Bosch's system, Corvette's ABS had rotational sensors at each wheel to feed data to a computerized electronic control unit (ECU). Brake line pressure was automatically distributed for optimum braking without wheel lock and loss of steering control.
- Cracking around the head attachment bosses required an introduction delay for design revisions to 1986's aluminum cylinder heads. The heads were ready in time for convertible production and all 1986 convertibles and late production coupes had aluminum heads. Engines fitted with aluminum heads were rated at 235hp, an increase of 5hp.
- Center high mount stoplights were added to 1986 Corvettes to conform to federal requirements. The coupe's was mounted above the rear window; the convertible's was in a less-conspicuous rear fascia location.
- A new vehicle anti-theft system (VATS) required a special ignition key with an embedded pellet. Lock cylinder contacts measured the pellet's electrical resistance (there were fifteen variations) before allowing start.
- Caster was changed in 1986 from four degrees to six degrees to improve on-center road feel and to decrease wander.
- Fifty "Malcolm Konner Commemorative Edition" 1986 Corvettes were built in a special arrangement honoring the New Jersey Chevrolet dealership's founder, Malcolm Konner. Each Corvette had special two-tone paint schemes, Silver Beige over Black, coded "spec." Window stickers reflected 4001ZA as the RPO, and a \$500 cost for MALCOLM KONNER SP. EDIT. PAI. All were coupes, twenty with manual transmissions, thirty with automatics. All had graphite leather interiors. One was retrofitted with a Callaway twin-turbo engine.
- The angle of the 1986 digital instrument display was changed to improve daytime viewing by reducing glare.
- A new upshift indicator light for manual and automatic transmission 1986 models was intended to improve fuel economy.
- "Low coolant" and "anti-lock" instrument displays were added.
- Wheel design was revised slightly for 1986, with the wheel center section natural finish instead of black as in 1984 and 1985.

## 1986 OPTIONS

RPO#	DESCRIPTION	QTY	RETAIL \$
1YY07	Base Corvette Sport Coupe .....	27,794	\$27,027.00
1YY67	Base Corvette Convertible .....	7,315	32,032.00
AG9	Power Driver Seat .....	33,983	225.00
AQ9	Sport Seats, leather .....	13,372	1,025.00
AR9	Base Seats, leather .....	—	400.00
AU3	Power Door Locks .....	34,215	175.00
B4P	Radiator Boost Fan .....	8,216	75.00
B4Z	Custom Feature Package .....	4,832	195.00
C2L	Dual Removable Roof Panels (for coupe) ...	6,242	895.00
24S	Removable Roof Panel, blue tint (coupe) ...	12,021	595.00
64S	Removable Roof Panel, bronze tint (coupe) .	7,819	595.00
C68	Electronic Air Conditioning Control .....	16,646	150.00
D84	Two-Tone Paint (for coupe) .....	3,897	428.00
FG3	Delco-Bilstein Shock Absorbers .....	5,521	189.00
G92	Performance Axle Ratio, 3.07:1 .....	4,879	22.00
KC4	Engine Oil Cooler .....	7,394	110.00
K34	Cruise Control .....	34,197	185.00
MM4	4-Speed Manual Transmission .....	6,835	0.00
NN5	California Emission Requirements .....	5,697	99.00
UL5	Radio Delete .....	166	256.00
UM6	AM-FM Stereo Cassette .....	2,039	122.00
UU8	Stereo System, Delco-Bose .....	32,478	895.00
V01	Heavy-Duty Radiator .....	10,423	40.00
Z51	Performance Handling Package .....	12,821	470.00
Z6A	Rear Window+Side Mirror Defog (coupe) ...	21,837	165.00
4001ZA	Malcolm Konner Special Edition Paint .....	50	500.00

- A 350ci, 230hp (iron cylinder heads) or 235hp (aluminum cylinder heads) engine, 4-speed automatic transmission, removable body-color roof panel (coupe) or soft top (conv), and cloth seats were included in the base price.
- RPO B4Z custom feature package included rear window defogger, outside remote heated mirrors, and inside rearview mirror with map light.
- RPO Z51 included B4P, FG3, KC4, V01, 16x9.5-inch wheels, heavy-duty suspension, and fast steering ratio. Limited to coupes.

## 1986 COLORS

CODE	EXTERIOR	QTY	SOFT TOP	INTERIORS
13	Silver Metallic .....	1,209	Bk-W	Gr-Mg
18	Medium Gray Metallic .....	1,603	Bk-W	Gr-Mg-R
20	Medium Blue Metallic .....	128	Bk-W	B-Gr
35	Yellow .....	1,464	Bk-W	Gr
40	White .....	4,176	Bk-S-W	B-Br-Gr-Mg-R-S
41	Black .....	5,464	Bk-S-W	Gr-Mg-R-S
53	Gold Metallic .....	777	Bk-S	Gr-S
59	Silver Beige Metallic .....	1,383	Bk	Br-Gr
66	Copper Metallic .....	4	Bk-S	Gr-S
69	Medium Brown Metallic .....	488	S	Br-S
74	Dark Red Metallic .....	5,002	Bk-S-W	Gr-S
81	Bright Red .....	9,466	Bk-S-W	Gr-R-S
13/18	Silver/Gray .....	1,049	none	Gr-Mg-R
18/41	Gray/Black .....	1,138	none	Gr-Mg
40/13	White/Silver .....	693	none	Gr-Mg
59/69	Silver Beige/Medium Brown .....	1,014	none	Br
spec	Silver Beige/Black .....	50	none	Gr

- Suggested interiors shown. Other combinations were possible.
- Restrictions applied to some soft top and interior color combinations.
- The code "spec" was used for fifty "Malcolm Konner Commemorative Edition" Corvettes with unique Silver Beige over Black two-tone paint.

**Interior Codes:** 12C=Gr/C, 122=Gr/L, 15C=Mg/C, 152=Mg/L, 21C=B/C, 212=B/L, 62C=S/C, 622=S/L, 65C=Br/C, 652=Br/L, 732=R/L.

**Abbreviations:** B=Blue, Bk=Black, Br=Bronze, C=Cloth, Gr=Graphite, L=Leather, Mg=Medium Gray, R=Red, S=Saddle, W=White.

# The Corvette Black Book

1953-1993

October 1992

Published by

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Powell, Ohio 43065



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# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC( U.S. Customary)

Passenger Car

# 1986

<b>Manufacturer</b> Chevrolet Motor Division General Motors Corporation	<b>Car Line</b>  Corvette	
<b>Mailing Address</b> Chevrolet-Pontiac-Canada Group Engineering Center General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060		

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. This specification form was developed by the automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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

Blank Forms Provided by Technical Affairs Division

  
 Motor Vehicle Manufacturers Association  
 of the United States, Inc.

# MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

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---

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### 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 completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (#) \_\_\_\_\_

**METRIC (U.S. Customary)**

**Car Models**

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk Cargo Load—Kilograms (Pounds)
CORVETTE		MODEL NUMBER	FRONT	
2-Door Hatchback Coupe		1YY07	2	45.4 (100)

NOTE: Any specifications on the following pages specific to California requirements are indicated accordingly.



# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (\*) 9-85

METRIC (U.S. Customary)

**Power Teams** (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE					E x h a u s t r i c S D	TRANSMISSION TRANSAXLE	DRIVE RATIOS (:1) AXLE RATIO			
	Displ. Liters (in <sup>3</sup> )	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM				Base Veh. Drive	Overall Opt. Veh. Drive	Overall Opt. Veh. Drive	Overall Opt. Veh. Drive
				kW (bhp)	Torque N·m (lb. ft.)						
Base-All States Coupe	V8 5.7 Liter (350 CID) L98	TPI @	9.5:1	230 @ 4000	330 @ 3200	D	*Man. 4-Spd. (2.88 low) Base (MH5)	3.07\$	1.55	--	--
							*Man. 4-Spd. (2.88 low) - Opt. (MK2)	3.07%	2.09	--	--
Auto '700-R4' - Base (MD8)							2.59\$	1.78	3.07\$#&	2.15	
*Man. 4-Spd. (2.88 low) Base (MH5)							3.07\$	1.84	--	--	
*Man. 4-Spd. (2.88 low) - Opt. (MK2)							3.07%	2.09	--	--	
Auto '700-R4' Base (MD8)							2.73\$	1.91	3.07\$	2.15	
Base-All States Convertible											
@ - Tuned Port Fuel Injection * - Automatic Overdrive 2nd, 3rd, 4th gears # - Base with RPO Z51, Performance Handling Package \$ - 200 mm (7-7/8") ring gear % - 216 mm (8-1/2") ring gear & - Optional Ratio											

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1986 Issued 7-85 Revised (\*) 9-85

METRIC (U.S. Customary)

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
Tuned-Port Fuel Injection (TPI)  
RPO L98

## ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		
Manufacturer		Chevrolet
No. of cylinders		8
Bore		101.6 (4.00)
Stroke		88.4 (3.48)
Bore spacing (C/L to C/L)		111.8 (4.40)
Cylinder block material & mass kg (lbs.)		Cast alloy iron 64.750 (142.7)
Cylinder block deck height		229.2 (9.025)
Deck clearance (minimum) (above or below block)		.025 below
Cylinder head material & mass kg (lbs.)		Cast iron
Cylinder head volume (cm <sup>3</sup> )		Not Applicable (55.8 cc on Alum. heads)
Head gasket thickness (compressed)		.021
Minimum combustion chamber total volume (cm <sup>3</sup> )		75.47 (+)
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 (weight, lbs.)]		Cast aluminum 6.700 (14.77)
Exhaust manifold material & mass [kg (weight, lbs.)]		Stainless steel 2.895 (6.38) L.H., 2.895 (6.38) R.H.
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index (R + M) 2		87
Total dressed engine mass (wt) dry**		235.8 (519.9) auto., 255.9 (564.2) manual

## Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Impacted cast aluminum, .597 (21.1)
--	-------------------------------------

**Engine - Camshaft** Intake Valve Lift .4411 & Valve .220 - Exhaust .4115 & Valve .220

Location	In cylinder block "V" above crankshaft	
Material & mass kg (weight, lbs.)	Cast alloy iron, 3.856 (8.50)	
Drive type	Chain / belt	Chain
	Width / pitch	15.87 (.625)/12.70 (.500)

\* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

\*\* Dressed engine mass (weight) includes the following:

The additional engine items that are required to make the engine an independent working power unit. This does not include radiator hoses, coolant, accelerator controls and engine mounting.

(+) - Combustion chamber with piston at top dead center and all components in place torqued to specifications.

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (#) \_\_\_\_\_

**METRIC (U.S. Customary)**

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
 Tuned-Port Fuel Injection (TPI)  
 RPO L98

## Engine - Valve System

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

8/8  
49.28 (1.94)/38.10 (1.50)

## Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]	1037 or 1038 steel - .388 (0.855)
---------------------------------------	-----------------------------------

## Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]	Nodular cast iron - 22.900 (50.49)
End thrust taken by bearing (no.)	5
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]	345-450 (50-65) @ 2000
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

Diesel engine manufacturer	
Glow plug, current drain at 0°F	Not
Injector nozzle	Type
	Opening pressure [kPa (psi)]
Pre-chamber design	Applicable
	--
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

Turbo charger - manufacturer	Not
Super charger - manufacturer	Applicable
Charge cooler	--

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1986 Issued 7-85 Revised (•) \_\_\_\_\_

**METRIC (U.S. Customary)**

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
Tuned-Port Fuel Injection (TPI)  
RPO L98

## 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)]	124.1 (18.0)	
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	90.6 (195°)
Water pump	Type (centrifugal, other)	Centrifugal with cast aluminum housing
	GPM 1000 pump rpm	13
	Number of pumps	One
	Drive (V-belt, other)	Single belt poly 'V' accessory drive (serpentine)*
	Bearing type	Sealed double row ball
	Impeller material	
	Housing material	
By-pass recirculation [type (inter., ext.)]	Internal	
Cooling system capacity	With heater—L(qt.)	--
	With air cond.—L(qt.)	Manual 13.86 (14.65), Automatic 13.73 (14.51)
	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)		
Radiator core	Std., A/C, HD	A/C, Standard
	Type (cross-flow, etc.)	Cross-flow
	Construction (fin & tube mechanical, braze, etc.)	
	Material, mass [kg (wtg. lbs.)]	Alum. header, tubes and fins, plastic tanks
	Width	599.5 (23.6)
	Height	382.4 (15.0)
	Thickness	23.5 (0.9) base, 34.0 (1.3) V01
	Fins per inch	2.5
Radiator end tank material		
Fan	Std., elec., opt.	Electric, Standard - Optional, Electric Boost Fan
	Number of blades & type (flex, solid, material)	5-blades, high efficiency curved blades and ring shroud, plastic
	Diameter & projected width	423.0 (16.7)
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	Temp. switch
	Drive type (direct, remote)	Electric
	RPM at idle (elec.)	2100
	Motor rating (wattage) (elec.)	150 wattage
	Motor switch (type & location) (elec.)	Temp. switch
Switch point (temp., pressure) (elec.)	106°C	
	Fan shroud (material)	Plastic-ring shroud

\* - 21.36 mm (0.84") wide, 5.20 mm (0.20") thick, with uniform dynamic tensioner.

# MVMA Specifications Form Passenger Car

Car Line CONVERTIBLE  
 Model Year 1986 Issued 7-85 Revised (e) \_\_\_\_\_

**METRIC (U.S. Customary)**

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
 Tuned-Port Injection (TPI)  
 RPO L98

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

Induction type: carburetor, fuel injection system, etc.		TPI - Tuned Port Fuel Injection		
Carburetor	Mfgr.	--		
	Choke (type)	--		
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	--	
		Automatic	--	
Idle A/F mix.				
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)]			
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water, thermostat		
Air cleaner type	Standard	Replaceable paper element, dual snorkel		
	Optional	--		
Fuel pump	Type (elec. or mech.)	Electric - dual turbine		
	Location (eng., tank)	In fuel tank		
	Pressure range [kPa (psi)]			

**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 Terne coated steel with high density polyethylene line	
Filter pipe	Location & material	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	
Extended range tank	Opt. n.a.	Not available	
	Capacity [L (gallons)]	--	
	Location & material	--	
	Attachment	--	
Auxiliary tank	Opt. n.a.	Not available	
	Capacity [L (gallons)]	--	
	Location & material	--	
	Attachment	--	
	Selector switch or valve	--	
Separate fill		--	

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1986 Issued 7-85 Revised (●) \_\_\_\_\_

**METRIC (U.S. Customary)**

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
Tuned-Port Fuel Injection (TPI)  
RPO L98

## Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air injection w/Computer Command Control
	Air Injection	Pump or pulse	Vane
		Driven by	Serpentine - single belt poly 'V' drive
		Air distribution (head, manifold, etc.)	Exhaust manifold and converter (CCC controlled)
		Point of entry	Exhaust manifold ports
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled flow
		Exhaust source	Inlet manifold exhaust cross-over passage
		Point of exhaust injection (spacer, carburetor, manifold, other)	Center of inlet manifold plenum
	Catalytic Converter	Type	Platinum-Palladium, and Rhodium, dual-bed
		Number of	Two front and one rear
Location(s)		Front - one on each exhaust pipe Rear - underbody tunnel below console	
Volume [L (in <sup>3</sup> )]		2.7822 (169.8)	
	Substrate type	Monolith	
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)		Inlet manifold
	Air inlet (breather cap, other)		Air cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		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) Material & Mass [kg (weight lbs)]		Two, reverse flow (Stainless steel body, aluminum coated steel inlet and outlets)
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	Otr pipe 63.5x.96(2.50x.038), inr pipe 57.0x.96(2.25x.03)
	Main o.d., wall thickness	76.2 x 1.83 (3.0 x .072)
	Material & Mass [kg (weight lbs)]	Stainless steel tubing (*)
Inter-mediate pipe	o.d. & wall thickness	57.15 x 1.83 (2.25 x .072)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel
Tail pipe	o.d. & wall thickness	Dual outlets - 57.15 x 1.83 (2.25 x .072)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel

(\*) - 2.29 (.09) air gap between pipes for heat control and sound dampening.

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (e) 9-85

**METRIC (U.S. Customary)**

Engine Description/Carb.  
 Engine Code

5.7 Liter V8 (350 CID)  
 Tuned-Port Fuel Injection (TPI)  
 RPO L98

## Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	Not available
Manual 4-speed (std., opt., n.a.) (mfr.)	Standard
Manual 5-speed (std., opt., n.a.) (mfr.)	Not available
Manual overdrive (std., opt., n.a.) (mfr.)	Not available
Automatic (std., opt., n.a.) (mfr.)	Not available
Automatic overdrive (std., opt., n.a.) (mfr.)	Standard

## Manual Transmission/Transaxle RPO-MH5-Base & RPO-MK2 + Z51

Number of forward speeds	4 in direct drive, 3 in overdrive*		
Transmission ratios	In first	2.88	
	In second	1.91 direct; 1.30 overdrive	
	In third	1.34 direct; 0.91 overdrive	
	In fourth	1.00 direct; 0.68 overdrive	
	In fifth	--	
	In overdrive	0.68	
	In reverse	2.78	
Synchronous meshing (specify gears)	All Forward		
Shift lever location	Floor		
Lubricant	Capacity [L (pt.)]	1.0L (2.1), (1.63L (3.45) for overdrive unit)	
	Type recommended	GL-5 (Dextron II for overdrive unit)	
	SAE viscosity number	Summer	SAE-80W, SAE-80W-90
		Winter	SAE-80W, SAE-80W-90
	Extreme cold	SAE-80W	

## Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)	Borg & Beck, hydraulically activated slave cylinder; automatic adjustment.	
Assist (yes, no percent)		
Type pressure plate springs	Bellville	
Total spring load [N (lb.)]	1025 (2260)	
No. of clutch driven discs	One	
Clutch facing	Material	Woven molded asbestos
	Manufacturer	Borg & Beck
	Part number	14084177
	Rivets-plate	40
	Rivet size	5.41 x 3.63 (.213 x .143)
	Outside & inside dia.	273.05 x 165.10 (10.75 x 6.5)
	Total eff. area [cm <sup>2</sup> (in. <sup>2</sup> )]	344.5 (53.4)
	Thickness	7.49 - 8.00 (.295 - .315)
Engagement cushion method	Driven plate wave spoke springs	
Release bearing	Type & method of lubrication	Ball thrust - prepacked and sealed
Torsional damping	Method: springs, friction material	Coil springs and metal-to-metal friction

\* - Planetary gear set overdrive controlled by on-board computer.

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5.7 Liter V8 (350 CID)  
 Tuned Port Fuel Injection  
 RPO L98

## Automatic Transmission/Transaxle

Trade name		4-Speed Automatic (overdrive 4th gear)
Type and special features (describe)		Torque converter with planetary gears
Selector	Location	Floor mounted in console
	Ltr. No. designation	PRN D D21
Gear ratios	R	2.29
	D	1.00@
	L <sub>3</sub>	1.63@
	L <sub>2</sub>	3.06@
	L <sub>1</sub>	0.70@
Max. upshift speed - drive range [km/h (mph)]		1-2=43 MPH, 2-3=79 MPH, 3-4=116 MPH (at wide open throttle)
Max. lockdown speed - drive range [km/h (mph)]		4-3=105 MPH, 3-2=72 MPH, 2-1=35 MPH
Min. overdrive speed [km/h (mph)]		38 MPH
Torque converter	Number of elements	3
	Max. ratio at stall	1.85
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity (refill L (pt.))	3.8 (8.0)
	Type Recommended	Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, external, liquid

@ - Computer controlled torque converter clutch 2nd, 3rd and 4th gears.

## Axle or Front Wheel Drive Unit

Type (front, rear)		Rear	
Description		Overhung pinion gear	
Limited slip differential (type)		Standard - disc clutches	
Drive pinion offset		38.1 (1.50), 216mm ring gear; 28.6 (1.125), 200mm ring gear	
Drive pinion (type)		Hypoid	
No. of differential pinions		Two	
Pinion / differential adjustment (shim, other)		Shim	
Pinion / differential bearing adjustment (shim, other)		Shim	
Driving wheel bearing (type)		Tapered roller	
Lubricant	Capacity [L (pt.)]		1.8 (3.75)
	Type recommended		GL-5 Gear Lubricant
	SAE viscosity number	Summer	80W or 80W-90
		Winter	80W or 80W-90
		Extreme cold	80W or 80W-90

## Axle or Transaxle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.07:1	2.59:1	3.07:1
No. of teeth	Pinion	14	17	14
	Ring gear or gear	43	44	43
Ring gear o.d.		200 (7-7/8)	200 (7-3/8)	216 (8-1/2)2
Transaxle	Transfer gear ratio	--		
	Final drive ratio	--		



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## Propeller Shaft – Rear Wheel Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight Tube, internal-external damper		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	Not available		
	Manual 4-speed trans. with auto overdr	Aluminum 76.2 x 805.2 x 3.05 (3.00 x 31.7 x 0.12)		
	Manual 5-speed trans.	Not available		
	Overdrive	See manual 4-speed		
	Automatic transmission **	Steel 63.5 x 825.5 x 1.65 (2.50 x 32.5 x .065)	Alum. 76.2 x 825.5 x 3.05 (3.00 x 32.5 x 0.12)	Opt(RPO-Z5 & Power Se
Inter-mediate bearing	Type (plain, anti-friction)	None		
	Lubrication (fitting, prepack)	--		
Slip yoke	Type	Splined Yoke		
	Number of teeth	Automatic and manual transmissions - 26		
	Spline o.d.	Automatic and manual transmissions 29.7 (1.17)		
Universal joints	Make and mfg. no.	Front	#1311	
		Rear	#1318	
	Number used	Two		
	Type (ball and trunion, cross)	Cross		
	Rear attach (u-bolt, clamp, etc.)	Strap and Bolt		
	Bearing	Type (plain, anti-friction)	Anti-Friction	
Lubrication (fitting, prepack)		Prepack		
Drive taken through (torque tube, arms or springs)		Torque control arms		
Torque taken through (torque tube, arms or springs)		Torque control arms		

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

\*\* - Aluminum, except steel with automatic transmission without power seat (RPO-AG9).

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (•) \_\_\_\_\_

METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

2-Door  
 Hatchback Coupe  
 1YY07

## Suspension - General

Car leveling	Std. opt. n.a.	Not available
	Type (air, hyd., etc.)	--
	Manual/auto. controlled	--
Provision for brake dip control		Frt susp geometry-upper arms pos to produce 46% anti-dive
Provision for accel. squat control		Rr susp geometry-control arms pos to produce 62% anti-squat
Provisions for car jacking		Place jack head between locator triangles on rocker flange nearest to wheel being changed.
Shock absorber (front & rear)	Type	Base-Direct double acting hydraulic w/pliacell expansion b Optional gas press
	Make	Base-Delco; Opt.-Bilstein
	Piston diameter	Front: Base-25.0 (1.0), 751&FG3-36 (1.42)(*)
	Rod diameter	Base-12.4 (.49), 751&FG3-11.0 (.43)

## Suspension - Front

Type and description		(*) Rr: Base-32 (1.26), 751&FG3-46 (1.81) Independent SLA Forged aluminum upper and lower control and steering knuckle, transverse monoleaf spring and steel stabilizer, spindle offset.
Drive and torque taken through		--
Travel	Full jounce	92.0 mm (3.6 in.)
	Full rebound	95.0 mm (3.7 in.)
Spring	Type (coil, leaf, other) & material	Monoleaf, filament wound glass-epoxy composite
	Insulators (type & material)	Pivot; Teflon-filled nylon and alumn., enclosed in rubber.
	Size (coil design height & i.d., bar length x dia.)	1160.0 x 100.0 x 13.22 base, 14.3-751 (45.7 x 3.9 x 0.52 base), (0.56-751)
	Spring rate [N/mm (lb. in.)]	Base 51.8 (296.0), 751-66.5 (380.0)
Rate at wheel [N/mm (lb. in.)]		Base 16.2 (92.6), 751-19.4 (110.9)
Stabilizer	Type (link, linkless, frameless)	Link <i>26 mm Hollow link</i> <i>solid</i>
	Material & bar diameter	HR steel; <i>24 mm (0.9 in.) dia.-base, 30 mm (1.2 in.) 751</i>

## Suspension - Rear

Type and description		Independent 5-link design with toe and camber adjustment, forged aluminum control arms, knuckles and struts, transverse monoleaf spring steel tie rods & stabilizer. Tubular U-joint driveshafts, alumn. except with Automatic.
Drive and torque taken through		Upper and lower longitudinal control arms
Travel	Full jounce	91.0 mm (3.6 in)
	Full rebound	72.0mm (2.8 in)
Spring	Type (coil, leaf, other) & material	Monoleaf, filament wound glass-epoxy composite
	Size (length x width, coil design height & i.d., bar length & dia.)	Base-1236 x 57.0 x 22.2, 751-25.0 (Base 48.7 x 2.24 x 0.87), (751-0.98)
	Spring rate [N/mm (lb. in.)]	Base 40.8 (233.0), 751-57.8 (330.0)
	Rate at wheel [N/mm (lb. in.)]	Base 22.8 (130.2), 751-30.4 (173.6)
	Insulators (type & material)	Dual rubber polyisoprene
If leaf	No. of leaves	Monoleaf
	Shackle (comp. or tens.)	Tension
Stabilizer	Type (link, linkless, frameless)	Link <i>22 mm Hollow</i> <i>solid</i>
	Material & bar diameter	HR steel; Base <i>24 mm (0.86 in.)</i> , 7-51 22.0mm (0.87 in.);
Track bar (type)		None <i>solid</i> painted to protect against corrosion

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (●) \_\_\_\_\_

METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

2-DOOR  
 HATCHBACK COUPE  
 1YY07

## Brakes - Service

Description		Aluminum caliper with nodular iron reaction bracket; pad reaction thru bracket.			
Brake type (std., opt., n.a.)	Front (disc or drum)	Disc with sliding-head caliper, low drag			
	Rear (disc or drum)	Disc with sliding-head caliper, low drag			
Self-adjusting (std., opt., n.a.)		Standard			
Special valving	Type (proportion, delay, metering, other)	Proportioning, Integral with Master Cylinder			
Power brake (std., opt., n.a.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Integral; lightweight with tru-bolt reaction system			
Vacuum source (inline, pump, etc.)		Inline (Intake Manifold)			
Vacuum reservoir (volume in. <sup>3</sup> )		--			
Vacuum pump-type (elec. gear driven, belt driven, if other so state)		Not Applicable			
Anti-skid device type (std., opt., n.a.) (F/R)		Electronic 4-wheel, 3 channel (standard)			
Effective area [cm <sup>2</sup> (in. <sup>2</sup> ) <sup>*</sup>		Front 174.0 (27.0), Rear 117.9 (18.3)			
Gross lining area [cm <sup>2</sup> (in. <sup>2</sup> ) <sup>**</sup> (F/R)		Front 174.0 (27.0), Rear 117.9 (18.3)			
Swept area [cm <sup>2</sup> (in. <sup>2</sup> ) <sup>***</sup> (F/R)		Front 622 (96.4), Rear 565 (87.5)			
Rotor	Outerworking diameter	F/R	292 (11.5)/292 (11.5)		
	Inner working diameter	F/R	214 (8.42)/222 (8.75)		
	Thickness	F/R	20 (0.8)/20 (0.8)		
	Material & type (vented/solid)	F/R	Vented; front-gray cast iron, rear-damped iron		
Drum	Diameter & width	F/R	Not Applicable		
	Type and material	F/R	Not Applicable		
Wheel cylinder bore		54 (2.1)/40.5 (1.6)			
Master cylinder	Bore/stroke	F/R	22.2 (0.875)/19.8 (0.78), 22.2 (0.875)/12.1 (0.48)		
Pedal arc ratio		3.5:1			
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]		Front 86.18 (1250), Rear 5516 (800)			
Lining clearance		F/R	Self Adjusting		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integral Molded	
		Rivet size		--	
		Manufacturer		Japan Brake Industries	
		Lining code*****		CP26	
		Material		Semi-Metallic	
		****	Primary or out-board	132 x 38.6 x 8.6	
		Size	Secondary or in-board	112 x 39.6 x 8.6	
	Shoe thickness (no lining)		5.6 mm (0.22) Backing Plate		
	Rear wheel	Bonded or riveted (rivets/seg.)		Integral Molded	
		Manufacturer		Japan Brake Industries	
		Lining Code*****		CP26	
		Material		Semi-metallic	
		****	Primary or out-board	108 x 35 x 8.6	
		Size	Secondary or in-board	92 x 36 x 8.6	
Shoe thickness (no lining)		5.0 mm (0.2) Backing Plate			

\*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 or formulation designation and coefficient of friction classification.

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Body Type And/Or  
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2-Door  
Hatchback Coupe  
1YY07

## Tires And Wheels (Standard)

Tires	Size (load range, ply)		P255/50VR-16 B/W
	Type (bias, radial, etc.)		High speed steel belted radial Eagle VR50 (Goodyear), unidirectional
	Inflation pressure (cold) for recommended max. vehicle load	Front (kPa (psi))	240 (35)
		Rear (kPa (psi))	240 (35)
Rev./mile-at 70 km/h (45 mph)		472 (760)	
Wheels	Type & material		Left-Right alum. alloy road wheels with specific vent des:
	Rim (size & flange type)		16 x 8.5 Front, 16 x 8.5 Rear
	Wheel offset		32 mm (1.26)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	120.7 (4.75)
Number & size		5 Hex nuts, one anti-theft; M12x1.5-6H	
Spare	Tire and wheel (same, if other describe)		P155/80D-16, 16 x 4 steel wheel
	Storage position & location (describe)		Horizontal under fuel tank

## Tires And Wheels (Optional)

		*(RPO Z51, Performance Handling Package)
Size (load range, ply)		*P255/50VR-16 B/W
Type (bias, radial, etc.)		*High speed steel belted radial Eagle VR50 (Goodyear)
Wheel (type & material)		*Left-right alum. alloy road wheels with specific vent de:
Rim (size, flange type and offset)		*16x9.5 Front, 16x9.5 Rear/38mm offset
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		T155/80D16 (aluminum 16 x 4 wheel with Power Seat Opt. RPO-AG9)

## Brakes - Parking

Type of control		Grip handle control
Location of control		Below the top of door sill, at the driver's left
Operates on		Rear brake drums, integral with disc rotor
If separate from service brakes	Type (internal or external)	Internal, manual duo-servo
	Drum diameter	177 (7.00)
	Lining size (length x width x thickness)	172.2 x 31.8 x 4.44 (6.78 x 1.25 x 0.175)

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Body Type And/Or  
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2-DOOR  
HATCHBACK COUPE  
1YY07

## Steering

Manual (std., opt., n.a.)		Not Available		
Power (std., opt., n.a.)		Standard		
Adjustable steering wheel (tilt, swing, other)	Type and description	Black, leather-wrapped two-spoke steering wheel; Tilt and Telescopic		
	(Std., opt., n.a.)	Standard		
Wheel diameter (W9) SAE J1100	Manual	Not Available		
	Power	368 (14.5)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.6 (41.4)	
		Curb to curb (l. & r.)	12.3 (40.4)	
	Inside rear	Wall to wall (l. & r.)	7.6 (25.0)	
		Curb to curb (l. & r.)	7.6 (25.0)	
Scrub Radius*				
Manual	Gear	Type	Not Available	
		Make	--	
		Ratios	Gear	--
	Overall		--	
	No. wheel turns (stop to stop)		--	
Power	Type (coaxial, linkage, etc.)		Alloy Rack and Pinion	
	Make		Saginaw Steering Gear; lt. wt. transverse compact pump End Take-Off	
	Gear	Type	End Take-Off	
		Ratios	Gear	--
			Overall	15.5:1 - Base, 13.0:1 - 751 Handling Package
Pump (drive)		Accessory Belt Driven		
No. wheel turns (stop to stop)		2.36 Turns-Base, 1.96 Turns-751 Handling Package		
Linkage	Type		End Take-Off	
	Location (front or rear of wheels, other)		Front of Wheel	
	Tie rods (one or two)		Two	
Steering axis	Inclination at camber (deg.)		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 & joint type		Upper and Lower Ball Joints; anti-corrosive		
Wheel spindle	Diameter	Inner bearing	51 mm (2.0 in)	
		Outer bearing	51 mm (2.0 in)	
	Thread (size)		Not Available	
	Bearing (type)		Unit hub-bearing Assembly with double row balls; anti-corrosive	

\*The horizontal distance in the front elevation between the center of the steering knuckle and the steering pin (ball joint) axis at ground.

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Hatchback Coupe  
1YY07

## 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.)]	0.15, +/-0.15°
	Service reset*	Caster	--
		Camber	--
		Toe-in	--
	Periodic M.V. inspection	Caster	--
		Camber	--
		Toe-in	--
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0°, +/-0.5°
		Toe-in [outside track-mm (in.)]	0.15°, +/-0.06°
	Service reset*	Camber	--
		Toe-in	--
	Periodic M.V. inspection	Camber	--
		Toe-in	--

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

## Electrical – Instruments and Equipment \*

Speedometer	Type	Electronic liquid crystal-digital and analog
	Trip odometer (std., opt., n.a.)	Standard
EGR maintenance indicator		Not available
Charge indicator	Type	Digital display
	Warning device	Standard-warning indicator and digital read-out
Temperature indicator	Type	Digital display
	Warning device	Standard-warning indicator and digital read-out
Oil pressure indicator	Type	Digital display
	Warning device	Standard-warning indicator and digital read-out
Fuel indicator	Type	Electric liquid crystal-analog
	Warning device	Standard-warning indicator signals-low fuel
Windshield wiper	Type (standard)	Intermittent control system
	Type (optional)	Not available
	Blade length	508 mm (20 in.)
	Swept area [cm <sup>2</sup> (in. <sup>2</sup> )]	6920 (1072.9)
Windshield washer	Type (standard)	Push button-manual
	Type (optional)	Not available
	Fluid level indicator	Not available
Horn	Type	Vibrator
	Number used	Two

Other Tell-tale lights warning of unfastened seat belts (FASTEN BELTS), low brake line pressure or parking brake on (BRAKE), anti-theft alert (SECURITY), electronic control module malfunction (CHECK ENGINE), door ajar (DOOR AJAR), hatch ajar (HATCH AJAR), 4-speed manual overdrive engaged (OVERDRIVE ENGAGED). Drivers information system mileage range, instant and average MPG, and trip odometer also included as standard equipment.

\*English or Metric

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**METRIC (U.S. Customary)**

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
Tuned-Port Fuel Injection (TPI)  
RPO L98

## Electrical - Supply System

Battery	Make	Delco-Remy
	Model, std., (opt.)	75-630, Standard
	Voltage	12 Volts
	Amps at 0°F cold crank	630 cold cranking amps. (CCA)
	Minutes-reserve capacity	90 minute reserve capacity
	Amp/hrs. - 20 hr. rate	54 Amp-Hrs.
	Location	Engine compartment directly behind left wheel opening
Generator or alternator	Type and rating	105 Amps
	Ratio (alt. crank/rev.)	3.24:1
	Optional (type & rating)	None
Regulator	Type	Micro circuit unit; integral with alternator

## Electrical - Starting System

Start. motor	Current drain at 0°F	350 Amps
Motor drive	Engagement type	Positive shift solenoid
	Pinion engages from (front, rear)	Rear

## Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	--	
	Other (specify)	High Energy Ignition (HEI)	
Coil	Make	Delco-Remy	
	Model	Integral with distributor	
	Current	Engine stopped - A	--
		Engine idling - A	--
Spark plug	Make	AC	
	Model	FR3LS	
	Thread (mm)	M14 x 1.25	
	Tightening torque (N-m (lb. ft))	24-30 (18-22)	
	Gap	0.81 (0.035)	
	Number per cylinder	one	
Distributor	Make	Delco Remy	
	Model		

## 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; hood grounding clip, engine to dash panel ground strap, fuse block capacitor on "heater only" blower motors and coax capacitor.
------------------	--

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
Model Year 1986 Issued 7-85 Revised (\*) \_\_\_\_\_

**METRIC (U.S. Customary)**

Body Type

2 - DOOR  
HATCHBACK COUPE  
1YY07

**Body**

Structure	Integral perimeter frame-birdcage forms strong unitized body structure Aerodynamically shapped body with deeply angled windshield (64°), all body panels SMC reinforced composite with molded-in coating. Single-lift off roof panel effective pass. compartment insulation, tinted glass all around. "Unibase" paint process, final clear coat paint finish.
Bumper system front - rear	Front - full-width honeycomb energy absorber backed up by an impact bar of strong continuous glass fiber plastic. Body color, glass-reinforced rim facia. rear-similar honeycomb design.
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 acrylic enamel with final clear coat
Hood	Hinge location (front, rear)	Front
	Type (counterbalance, prop)	Hinged clamshell hood, w/upper wheelhouse attached (*)
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	--
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Type (counterbalance, other)	Dual gas struts
	Internal release control (elec., mech., n.a.)	Electric release, std (each door and console glove box)
Vent window control (crank, friction, pivot, power)		None
Seat cushion type (e.g., 60 40, bucket, bench, wire, foam etc.)	Front	None
	Rear	None
	3rd seat	None
Seat back type (e.g., 60 40, bucket, bench, wire, foam etc.)	Front	Bucket Seat, full cloth trim w/wool pad comfort liner
	Rear	None
	3rd seat	None

(\*) gives easy access to engine and chassis components; folding prop rod hol open; SMC reinforced composite.

(@) SMC reinforced composite frame for seat cushion and backrest.



**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (●) \_\_\_\_\_

Body Type

2-DOOR  
 HATCHBACK COUPE  
 1YY07

**Restraint System**

Active restraint system	Standard/optional	Standard
	Type and description	3-Point seat belt system, motion sensitive or locking
	Location	Driver and passenger seat
Passive seat belts	Standard/optional	Not Applicable
	Power/manual	"
	2 or 3 point	"
	Knee bar/lap belt	"

**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.
---	---

Glass	SAE Ref. No.	
Windshield glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S1	8710.0 (1350.0)
Side glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )] - total 2-sides	S2	4007.2 (621.1)
Backlight glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S3	6205.0 (961.8)
Total glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S4	18922.2 (2932.9)
Windshield glass (type)		Curved - Laminated Plate - Tinted
Side glass (type)		Curved - Tempered Plate - Tinted
Backlight glass (type)		Curved - Tempered Plate - Tinted

**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (e) \_\_\_\_\_

Body Type

2-Door  
 Hatchback Coupe  
 1YY07

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

Air conditioning (manual, auto. temp control)	Standard, four season manual control	
Clock (digital, analog)	Standard, digital read-out with all radios	
Compass / thermometer	Not Available	
Console (floor, overhead)	Standard, Floor	
Defroster, elec. backlight	Optional (with heated side view mirrors)	
Electronic	Diagnostic warning (integrated, individual)	STD.-ALCL (Assembly Line Communications Link); Integra
	Instrument cluster (list instruments)	Speedo, Tach, Oil & Coolant Temps, Oil Press, Volts, F
	Keyless entry	Not Available
	Tripmeter (avg. spd., fuel)	Range, average and instant MPG
	Voice alert (list items)	Not Available
	Other	LCD and digital instrumentation standard
	--	
Fuel door lock (remote, key, electric)	Not Available	
Lamps	Auto head on / off delay, dimming	Not Available
	Cornering	Front and rear, standard
	Courtesy (map, reading)	Standard - one lamp in each door panel
	Door lock, ignition	Std. - inside door lock-door open, delay when closed
	Engine compartment	Standard
	Fog	Standard
	Glove compartment	Standard - in console
	Trunk	Standard - two lamps mounted in 'B' pillars
	Other	Interior lamps delay - standard
	--	
Mirrors	Day/night (auto. man.)	Standard, manual
	L.H. (remote, power, heated)	Power standard, heated optional
	R. H. (convex, remote, power, heated)	Power standard, heated optional
	Visor vanity (RH / LH, Illuminated)	RH standard
Parking brake-auto release (warning light)	Manual release, telltale-std.	
Power equipment	Door locks / deck lid - specify	Standard deck lid (hatch), optional door locks
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	Power 6-way driver's seat - optional; Power custom seat (lumbar, reclining, backrest lateral restraints) - optional
	Side windows	Standard
	Vent windows	Not Available
	Rear window	Standard - electric hatch release (3 remote locations)
		--
Radio systems	Antenna (location, whip, w/shield, power)	Rear power antenna
	AM, FM, stereo, tape, CB	AM/FM stereo std; AM/FM stereo cass, AM/FM stereo cass
	Speaker (number, location) Premium sound	Except Bose-2 frt, 2 rr; Bose-each door, 2 rr
Roof open air/fixd (flip-up, sliding, "T")	Single, full width lift-off roof panel	
Speed control device	Optional-electronic speed & cruise control w/resume fe	
Speed warning device (light, buzzer, etc.)	Not available	
Tachometer (rpm)	6000 RPM	
Theft protection-type	New "Vats" system includes special module with resisto Decoder and ignition key with embedded pellets of spec resistance. Built-in time lag, forces delay between attempts to start vehicle with improper key. Also inc anti-theft horn alarm system with starter interrupt (c and hatch).	

**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**  
**Car and Body Dimensions** See Key Sheets for definitions

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (●) 9-85

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

<b>Body Type</b>	SAE Ref. No.	2-DOOR HATCHBACK COUPE 1YY07
------------------	--------------	------------------------------------

<b>Width</b>		
Tread (front)	W101	1513 (59.6)
Tread (rear)	W102	1534 (60.4)
Vehicle width	W103	1804 (71.0)
Body width at Sg RP (front)	W117	1752 (69.0)
Vehicle width (front doors open)	W120	3706 (145.9)
Vehicle width (rear doors open)	W121	--
Front fender overall width	W106	1743 (68.6)
Rear fender overall width	W107	1779 (70.0)
Turn-in angle (deg.)	W122	36.9°

<b>Length</b>		
Wheelbase	L101	2444 (96.2)
Vehicle length	L103	4483 (176.5)
Overhang (front)	L104	1030 (40.5)
Overhang (rear)	L105	1009 (39.7)
Upper structure length	L123	2309 (90.9)
Rear wheel C-L "X" coordinate	L127	1886 (74.2)
Cowl point "X" coordinate	L125	174 (6.9)
Front end length at centerline	L126	1761 (69.3)
Rear end length at centerline	L129	360 (14.2)

<b>Height **</b>		
Passenger distribution (front-rear)	PD1.2.3	**
Trunk cargo load		**
Vehicle height	H101	1179 (46.4)
Cowl point to ground	H114	845 (33.4)
Deck point to ground	H138	
Rocker panel-front to ground	H112	175 (6.9)
Bottom of door closed-front to grd.	H133	255 (10.1)
Rocker panel-rear to ground	H111	175 (6.9)
Bottom of door closed-rear to grd.	H135	--
Windshield slope angle	H122	64.7
Backlight slope angle	H121	72.5

<b>Ground Clearance **</b>		
Front bumper to ground	H102	124 (4.9)
Rear bumper to ground	H104	330 (13.0)
Bumper to ground (front at curb mass (wt.))	H103	130 (5.1)
Bumper to ground (rear at curb mass (wt.))	H105	353 (13.9)
Angle of approach (degrees)	H106	10.6°
Angle of departure (degrees)	H107	20.2°
Ramp breakover angle (degrees)	H147	12.3°
Axle differential to ground (front rear)	H153	172 (6.8)
Min. running ground clearance	H156	120 (4.7)
Location of min. run. grd. clear.		Catalytic Converter

\*\*All Vehicle Height And Ground Clearances 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.

**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**  
**Car and Body Dimensions** See Key Sheets for definitions

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (e) \_\_\_\_\_

Body Type

SAE Ref. No.	2-DOOR HATCHBACK COUPE 1YY07
--------------	------------------------------------

**Front Compartment**

Sg RP front, "X" coordinate	L31	1150 (45.3)
Effective head room	H61	926 (36.5)
Max. eff. leg room (accelerator)	L34	1083 (42.6)
SgRP to heel point	H30	188 ( 7.4)
SgRP to heel point	L53	898 (35.4)
Back angle	L40	28.0
Hip angle	L42	98.0
Knee angle	L44	130.0
Foot angle	L46	87.0
Design H-point front travel	L17	146 (5.7)
Normal driving & riding seat track trvl.	L23	146 (5.7)
Shoulder room	W3	1373 (54.1)
Hip room	W5	1253 (49.3)
** Upper body opening to ground	H50	1092 (43.0)
Steering wheel maximum diameter	W9	368 (14.5)
Steering wheel angle	H18	18.4
Accel. heel pt. to steer. whl. cntr	L11	
Accel. heel pt. to steer. whl. cntr	H17	
Steering wheel to C/L of thigh	H13	84 ( 3.3)
Steering wheel torso clearance	L7	390 (15.4)
Headlining to roof panel (front)	H37	10 ( 0.4)
Undepressed floor covering thickness	H67	24 (0.9)

All Interior Dimensions Are Measured With The Seating Reference Point (SgRP) Full Rear And mm Upward Of Rearmost Seat Position.

**Rear Compartment**

Sg RP Point couple distance	L50	
Effective head room	H63	NOT
Min. effective leg room	L51	
Sg RP (second to heel)	H31	APPLICABLE
Knee clearance	L48	
Compartment room	L3	
Shoulder room	W4	
Hip room	W6	
** Upper body opening to ground	H51	
Back angle	L41	
Hip angle	L43	
Knee angle	L45	
Foot angle	L47	
Headlining to roof panel (second)	H38	
Depressed floor covering thickness	H73	

**Luggage Compartment**

Usable luggage capacity [L (cu. ft.)]	V1	--
** Litter height	H195	902 (35.5)

**Interior Volumes (EPA Classification)**

Vehicle class (subcompact, compact, etc.)		Mini-compact
Interior volume index (cu. ft.)		Not available; on-two-passenger-vehicles-
Trunk/cargo index (cu. ft.)		--

All linear dimensions are in millimeters (inches).  
 \*\* EPA Loaded Vehicle Weight, Loading Conditions

**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**  
**Car and Body Dimensions**

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (e) \_\_\_\_\_

See Key Sheets for definitions

Body Type	SAE Ref. No.	2-DOOR HATCHBACK COUPE 1YY07
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**Station Wagon – Third Seat**

Sg RP couple distance	L85	NOT
Shoulder room	W85	APPLICABLE
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Sg RP to heel point	H87	
Knee clearance	L87	
Seat facing direction	SD1	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

**Station Wagon – Cargo Space**

Cargo length (open front)	L200	NOT
Cargo length (open second)	L201	APPLICABLE
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	
Max. 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 <sup>3</sup> (ft. <sup>3</sup> )]	V2	
Hidden cargo volume [m <sup>3</sup> (ft. <sup>3</sup> )]	V4	
Cargo volume index-rear of 2-seat	V10	

**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	
Cargo length at floor (second)	L211	
Front seatback to load floor height	H197	454 (17.9)
Second seatback to load floor height	H198	
Cargo volume index [m <sup>3</sup> (ft. <sup>3</sup> )]	V3	508L (17.9)
Hidden cargo volume [m <sup>3</sup> (ft. <sup>3</sup> )]	V4	--
Cargo volume index-rear of 2-seat	V11	--

**Aerodynamics\***

Wheel lip to ground, front	685 (27.0)
Wheel lip to ground, rear	695 (27.4)
Frontal area [m <sup>2</sup> (ft. <sup>2</sup> )]	1.80 (0.071)
Drag coefficient (Cd)	

\* EPA Loaded Vehicle Weight, Loading Conditions

**MVMA Specifications Form**  
**Passenger Car**  
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Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (e) \_\_\_\_\_

Body Type 2-DOOR  
HATCHBACK COUPE  
1YY07

**Vehicle Fiducial Marks**

Fiducial Mark Number*	Define Coordinate Location										
Front	<p>X - Fiducial mark to vertical base grid line - front, measured horizontally from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt.</p> <p>Y - Fiducial mark to centerline of car - front, width measurement made from centerline of car to the fiducial mark located on top of the front seat adjuster mounting bolt.</p> <p>Z - Fiducial mark to horizontal base grid line - front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.</p>										
Rear	<p>X - Fiducial mark to vertical base grid line - rear, measured horizontally from base grid line to the rear fiducial mark located on the rail (compartment pan - longitudinal).</p> <p>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).</p> <p>Z - Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on the rail (compartment pan - longitudinal).</p>										
Front	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">W21</td><td style="width: 15%;">552 (21.7)</td></tr> <tr><td>L54</td><td>831 (32.7)*</td></tr> <tr><td>H81</td><td>-181 (-7.1)#</td></tr> <tr><td>H161</td><td>131 (5.2)</td></tr> <tr><td>** H163</td><td>114 (4.5)</td></tr> </table>	W21	552 (21.7)	L54	831 (32.7)*	H81	-181 (-7.1)#	H161	131 (5.2)	** H163	114 (4.5)
W21	552 (21.7)										
L54	831 (32.7)*										
H81	-181 (-7.1)#										
H161	131 (5.2)										
** H163	114 (4.5)										
Rear	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">W22</td><td style="width: 15%;">296 (11.7)</td></tr> <tr><td>L55</td><td>2714 (106.9)*</td></tr> <tr><td>H82</td><td>46 (1.8)#</td></tr> <tr><td>H162</td><td>367 (14.4)</td></tr> <tr><td>** H164</td><td>342 (13.5)</td></tr> </table>	W22	296 (11.7)	L55	2714 (106.9)*	H82	46 (1.8)#	H162	367 (14.4)	** H164	342 (13.5)
W22	296 (11.7)										
L55	2714 (106.9)*										
H82	46 (1.8)#										
H162	367 (14.4)										
** H164	342 (13.5)										
	<p>* Vertical base grid 2000 mm line          # Horizontal base grid 500 mm line</p>										

\* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.  
 All linear dimensions are in millimeters (inches).  
 \*\* EPA Loaded Vehicle Weight, Loading Conditions

**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

Car Line CORVETTE  
 Model Year 1986 Issued 7-85 Revised (•) \_\_\_\_\_

Body Type

2-DOOR  
 HATCHBACK COUPE  
 1YY07

**Lamps and Headlamp Shape\***

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	660.1 (26.0)
		Lowest	--
	Taillamp (SAE - H128)	Highest**	760.6 (29.9)
		Lowest	758.2 (29.8)
	Sidemarker	Front	472.1 (18.6)
		Rear	551.0 (21.7)
Distance from C.L. of car to center of bulb	Headlamp	Inside	--
		Outside**	544.0 (21.4)
	Taillamp	Inside	410.1 (16.1)
		Outside**	625.1 (24.6)
	Directional	Front	485.0 (19.1)
		Rear	625.1 (24.6)
Halogen headlamp (std., opt., n.a.)	Lo beam	Standard	
	Hi beam	Standard	
	Replaceable bulb	Sealed Beam, entire unit replaced	
	Shape	Rectangular	
Headlamp other than above	Lo beam	Not Available	
	Hi beam	"	"
	Replaceable	"	"
	Shape	"	"
	Type	"	"

\* Measured at curb mass (weight).  
 \*\* If single lamps are used enter here.

**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

Car Line           CORVETTE            
 Model Year           1986           Issued           7-85           Revised (•)           9-85          

**Vehicle Mass (weight)**

Model	CURB MASS. kg. (weight, lb) *			% PASS. MASS DISTRIBUTION				SHIPPING MASS. kg. (weight, lb) **
	Front	Rear	Total	Pass In Front		Pass In Rear		
				Front	Rear	Front	Rear	
2-Door Hatchback								
Coupe 1YY07								
Optional with 4-Speed Manual Transmission	738.8 (1628)	728.6 (1606)	1466.9 (3234)					1319.7 (3130)
Base with '700-R4' Automatic Transmission	776.1 (1711)	693.3 (1528)	1469.4 (3239)					1422.2 (3135)
Curb Weight - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oils, lube, coolant and fuel filled to capacity.								
Shipping Weight - Same as base curb weight except only 3 gallons of gasoline.								

\* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.  
 \*\* Shipping mass (weight) definition -



**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
Model Year 1986 Issued 7-85 Revised (●) \_\_\_\_\_

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Custom Adjustable Sport Seats RPO AQ9	3.4 (7.5)	4.0 (8.8)	7.4 (16.3)	Power adjust for backrest lateral restraints, lumbar support and back angle, special cloth trim.
Power Door Lock System RPO AU3	.4 (0.9)	.4 (0.9)	.8 (1.8)	
Leather Seat Trim RPO B16	.6 (1.3)	1.0 (2.2)	1.6 (3.5)	A51 required (special contour bucket seat).
Removable Plastic Roof Panel RPO CC3	-.4 (-0.9)	-1.4 (-3.1)	-1.8 (-4.0)	Acrylic plastic. Lighter, blue tinted for glare and sun load control, coated for scratch resistance.
Automatic Speed Control w/Resume Speed RPO K34	1.0 (2.3)	.2 (0.4)	1.2 (2.6)	With manual or automatic transmissions.
Radio Delete RPO UL5	-2.4 (-5.3)	-2.6 (-5.7)	-5.0 (-11.0)	
Radio AM/FM Stereo (ETR) with Cassette Player RPO UM6	.2 (0.4)	.2 (0.4)	.4 (0.8)	Includes power rear antenna plus two front and two rear speakers.
Universal CB Radio RPO UN8	.9 (2.0)	.9 (2.0)	1.8 (4.0)	Includes tri-band power antenna.
Custom Two-Tone Paint RPO D84	.2 (.4)	.2 (.4)	.4 (.9)	
Automatic Transmission RPO MD8	4.6 (10.1)	1.6 (3.5)	6.2 (13.6)	

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

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
Model Year 1986 Issued 7-85 Revised (\*) \_\_\_\_\_

**METRIC (U.S. Customary)**

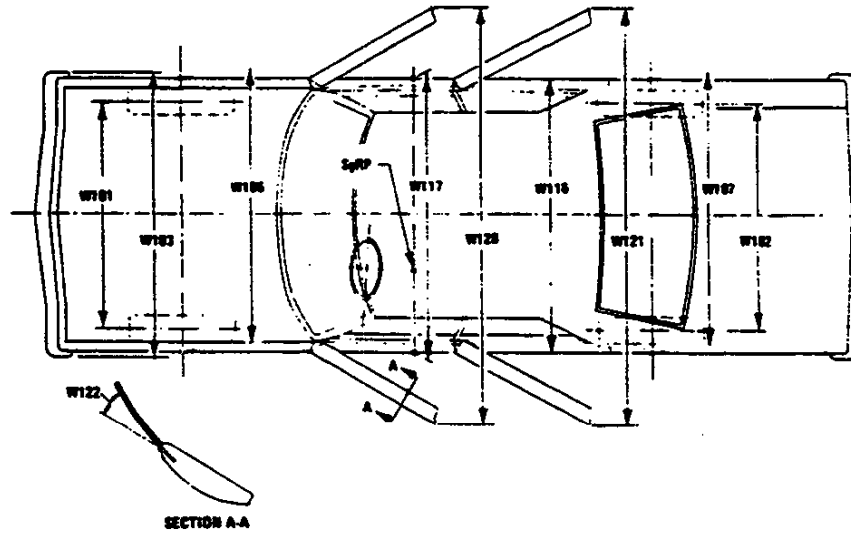
Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Delco/Bose Premium Audio System RPO U08	2.0 (4.4)	5.0 (11.0)	7.0 (15.4)	Includes specific AM/FM stereo radio with cassette player. Bose power amplified, direct reflecting speakers (one in each door and at each side of luggage area). Also features Dolby sound, dynamic noise reduction and automatic suppressor system.
Heavy Duty Cooling RPO V08	2.8 (6.2)	-.6 (-1.3)	2.2 (4.9)	Includes HD radiator, aux. boost fan, and oil cooler.
Electric Defogger System (Hatch and outside rear view mirrors) RPO Z6A	.2 (0.4)	.2 (0.4)	.4 (0.8)	
Performance Handling Package, consists of FE7, FG3, GZ0, V01, KC4, B4P RPO Z51	11.4 (25.1)	4.8 (10.6)	16.2 (35.7)	Includes left-right 16 x 9-1/2 wheels, fast steering, HD cooling and 3.07 axle ratio for auto
Automatic Air Conditioning RPO C68	1.0 2.205	--	1.0 2.205	Automatic temperature control

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

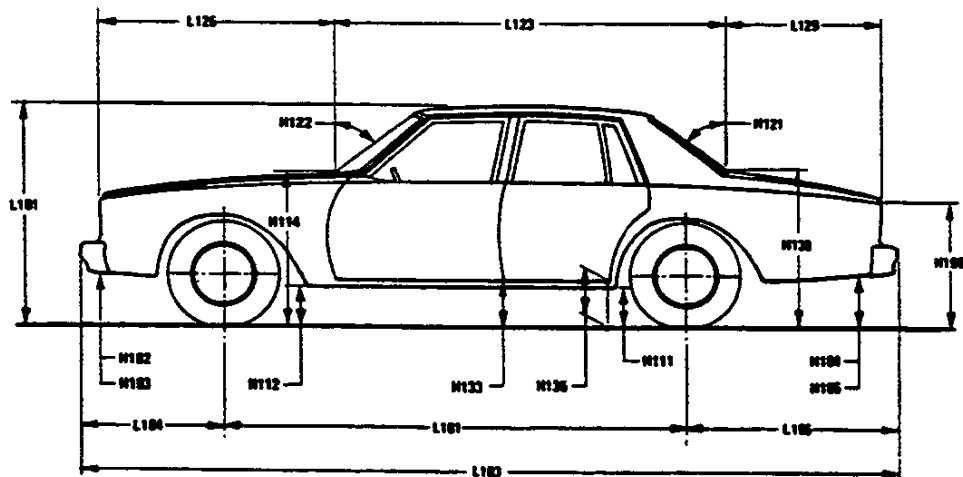
**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

**Exterior Car And Body Dimensions – Key Sheet**

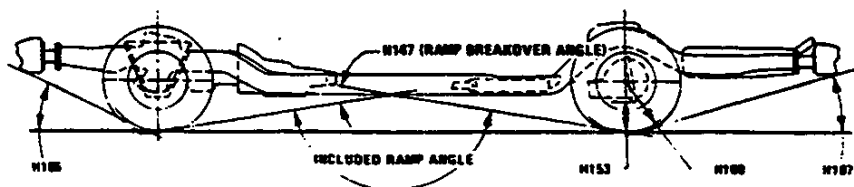
**Exterior Width**



**Exterior Length & Height**



**Exterior Ground Clearance**

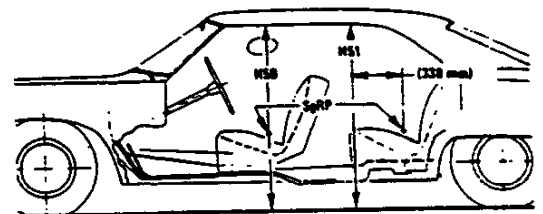
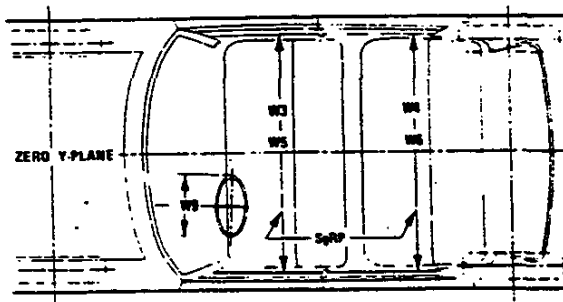
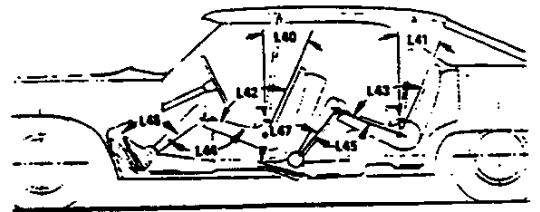
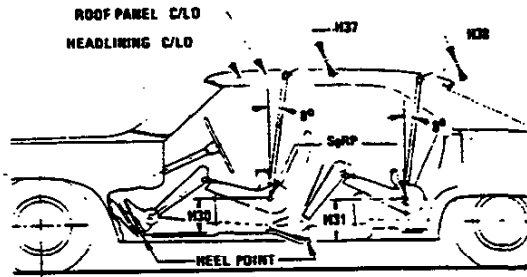
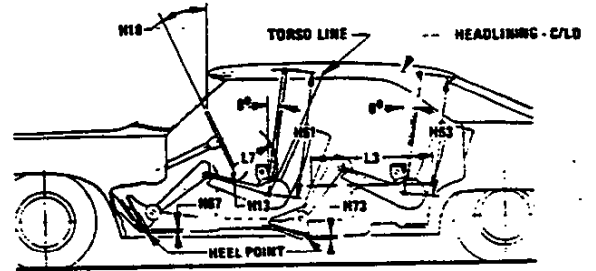
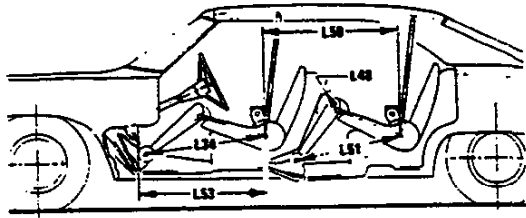


# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

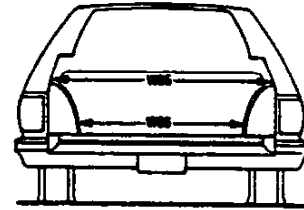
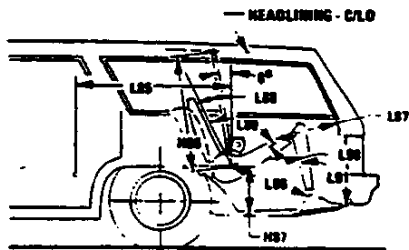
### Interior Car And Body Dimensions – Key Sheet



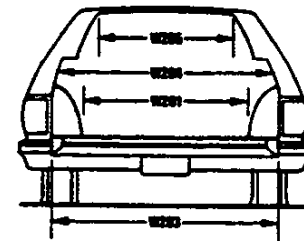
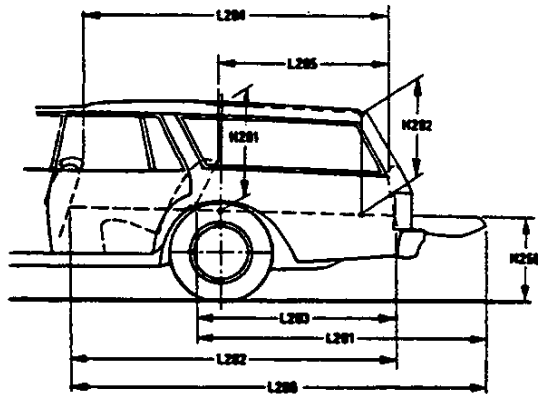
**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

**Interior Car And Body Dimensions – Key Sheet**

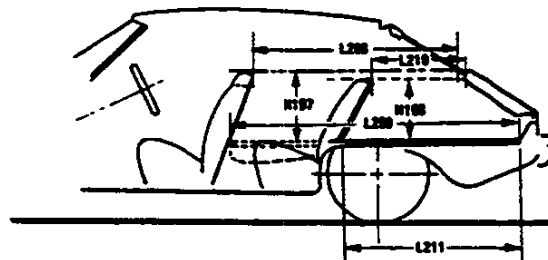
**Third Seat**



**Cargo Space**



**Station Wagon**



**Hatchback**

# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

#### Exterior Car 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.
- W106 FRONT FENDER WIDTH. The dimension measured between the widest points at the front wheel centerline, excluding moldings.
- W107 REAR FENDER WIDTH. The dimension measured between the widest points at the rear wheel centerline, excluding moldings.
- 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 front 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.

#### Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. 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 hooks 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 hook and rub strips, if standard equipment.

- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L125 COWL POINT "X" COORDINATE.
- L126 FRONT END LENGTH. The dimension measured longitudinally from the cowl point to the foremost point on the vehicle at the zero "Y" plane excluding ornamentation or bumper. In cases where bumpers and/or grills are integrated with the profile, measurement is made at the foremost point of the end contour.
- 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.
- L129 REAR END LENGTH. The dimension measured longitudinally from the deck point to the rearmost visible point of the body sheet metal at the zero "Y" plane, excluding ornamentation or bumpers.

#### 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 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 run 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 windshield.
- H127 HEADLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the low headlamp lens to ground.
- H128 TAILLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the upper lamp to ground.
- H133 BOTTOM OF DOOR CLOSED–FRONT TO GROUND. The dimension measured vertically from the bottom outer corner of the door on the lock pillar side, in maximum closed position, to ground.
- H135 BOTTOM OF DOOR CLOSED–REAR TO GROUND. The dimension measured vertically from the bottom outer corner of the door on the lock pillar side, in maximum closed position, to ground.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

#### 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.

# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

#### Interior Car And Body Dimensions – Key Sheet

##### Dimensions Definitions

- 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.
- 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.
- W82** "Z" coordinate.
- H162** Height "Z" coordinate to ground at curb weight.
- H164** Height "Z" coordinate to ground.
- Front Compartment Dimensions**
- L7** STEERING WHEEL TORSO CLEARANCE. The minimum dimension measured in the side view from the rearmost edge of the steering wheel, with front wheels in the straight ahead position, to the torso line.
- L11** ACCELERATOR HEEL 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.
- L23** NORMAL DRIVING AND RIDING SEAT TRACK LEVEL. 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.
- 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 undepressed 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.
- H13** STEERING WHEEL TO CENTERLINE OF THIGH. The minimum dimension measured from the bottom of steering wheel, with front wheels in the straight position, to the thigh centerline.
- H17** 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.
- H37** HEADLINING TO ROOF PANEL–FRONT. The dimension measured from the intersection of the headlining and the extended effective head room line normal to the sheet metal.
- H50** UPPER BODY OPENING TO GROUND–FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP–front "X" plane.
- H61** EFFECTIVE HEAD ROOM–FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP–front to the headlining plus 102 mm (4.0 in.).
- H67** FLOOR COVERING THICKNESS–UNDEPRESSED–FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.
- PD1** PASSENGER DISTRIBUTION–FRONT.
- Rear Compartment Dimensions**
- L3** COMPARTMENT ROOM–SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

#### Interior Car And Body Dimensions – Key Sheet

##### Dimensions Definitions

- 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 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 254mm (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.
- H38 **HEADLINING TO ROOF PANEL-SECOND.** The dimension measured from the intersection of the headlining and the extended effective head room line normally to the roof sheet metal.
- 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.
- PD2 **PASSENGER DISTRIBUTION-SECOND.**

#### 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-J1100.
- H195 **LIFTOVER HEIGHT.** The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

#### Interior Volumes (EPA Classification)

The Interior Volume 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 interior volume index is an estimate of the size of the passenger compartment.

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 – 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 51mm (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. rear from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in).
- PD3 **PASSENGER DISTRIBUTION-THIRD.**
- SD1 **SEAT FACING DIRECTION-THIRD.**

#### Station Wagon – Cargo Space Dimensions

- L200 **CARGO LENGTH-OPEN-FRONT.** The minimum dimension measured longitudinally from the back of the front seat back 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 to the rearmost point on 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 back 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 seatback 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 seat back at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpane 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 at the 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 wheelhousing floor level. For any vehicle not trimmed, measure to the sheet metal.



# MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

## Interior Car And Body Dimensions – Key Sheet Dimensions Definitions

- 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.
- 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.
- V2 STATION WAGON  
Measured in inches:  
$$\frac{W4 \times H201 \times L204}{1728} = \text{ft}^3$$
  
Measured in mm:  
$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- 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:  
$$\frac{L506 \times W500 \times H503}{1728} = \text{ft}^3$$
  
Measured in mm:  
$$\frac{L506 \times W500 \times H503}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V6 TRUCKS AND MPV'S WITH CLOSED AREA.  
Measured in inches:  
$$\frac{L204 \times W500 \times H505}{1728} = \text{ft}^3$$
  
Measured in mm:  
$$\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- 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:  
$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

## 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 electrically 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—HATCHBACK. 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—HATCHBACK. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.
- L211 CARGO LENGTH AT FLOOR—SECOND HATCHBACK. 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 seat back 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:  
$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- 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:  
$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

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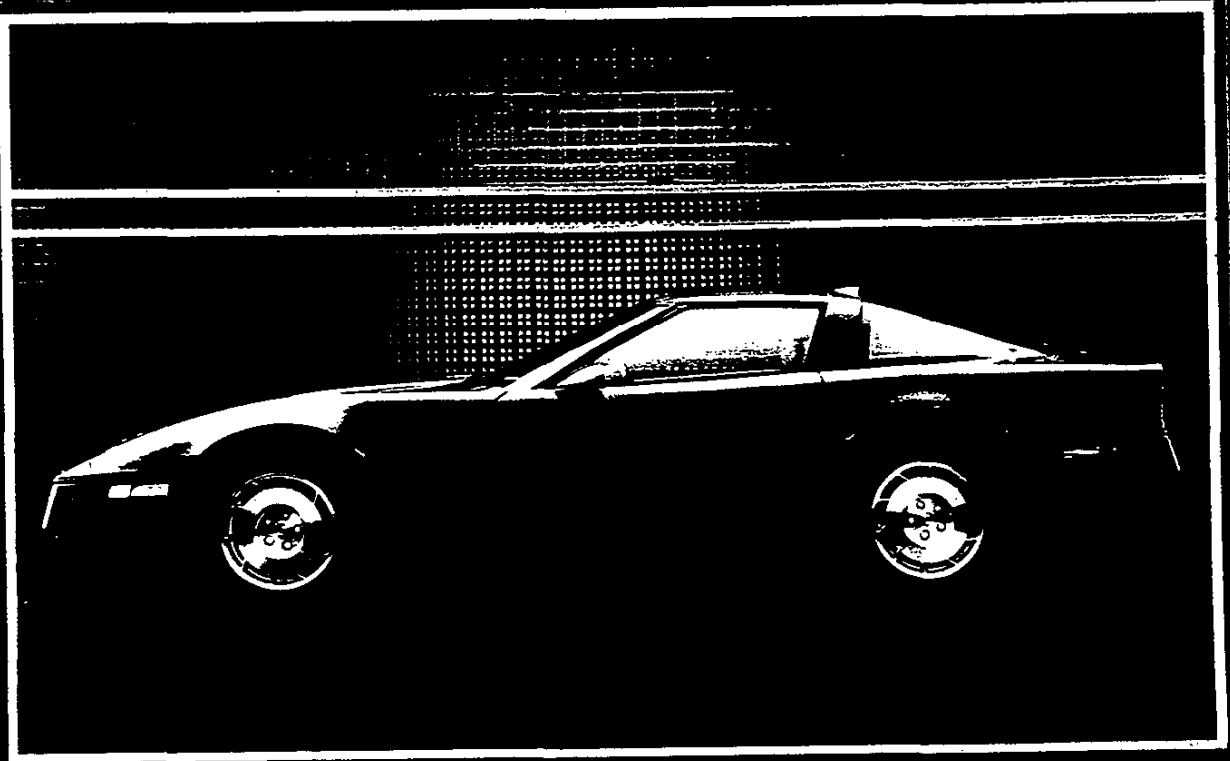
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**MVMA Specifications Form  
Passenger Car**

**METRIC (U.S. Customary)  
SUPPLEMENTAL PAGE**

Car Line \_\_\_\_\_  
Model Year \_\_\_\_\_ Issued \_\_\_\_\_ Revised (e) \_\_\_\_\_

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# Y

## **THE WORLD-CLASS CHAMPION.**

Corvette's legacy of sports car performance is so well known there usually isn't much to tell. Until now. That's because Corvette took on Europe's best-known exotics and thrashed them soundly. In January, 1985, independent tests conducted by the United States Automobile Club, Corvette racked up more total points (21 out of a possible 24) than any of its competition. Competition like Lamborghini Countach, Porsche 944, Ferrari 308 GTSi, Lotus Esprit Turbo and Porsche 928S. The events included acceleration, braking, slalom and lateral acceleration. Corvette. The American that conquered Europe.

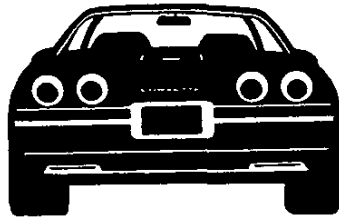
### **IMPORTANT FACTS FOR BUYERS**

- This is one of the most completely equipped cars sold in America
- Now with new Bosch ABS II Anti-Lock Braking System that lets you steer during a full panic stop
- A new vehicle anti-theft system (VATS) that uses specially encoded keys that cause delays of 15-20 minutes to discourage even resourceful thieves
- Choice of 4-speed manual transmission with automatic overdrive in three top gears to give, in effect, a 7-speed transmission, plus a 4-speed automatic with torque converter clutch in three top gears for highway cruising
- New heavier duty 8½" ring gear with 4-speed manual transmission
- Cast alloy road wheels with VR50 unidirectional tires
- Forged aluminum front and rear suspension arms with fiberglass composite leaf springs.



# 1986 CORVETTE

1



Hatchback Coupe

**CORVETTE**  
Hatchback Coupe . . . . . 1YY07

**MODEL NO.**

## INDEX

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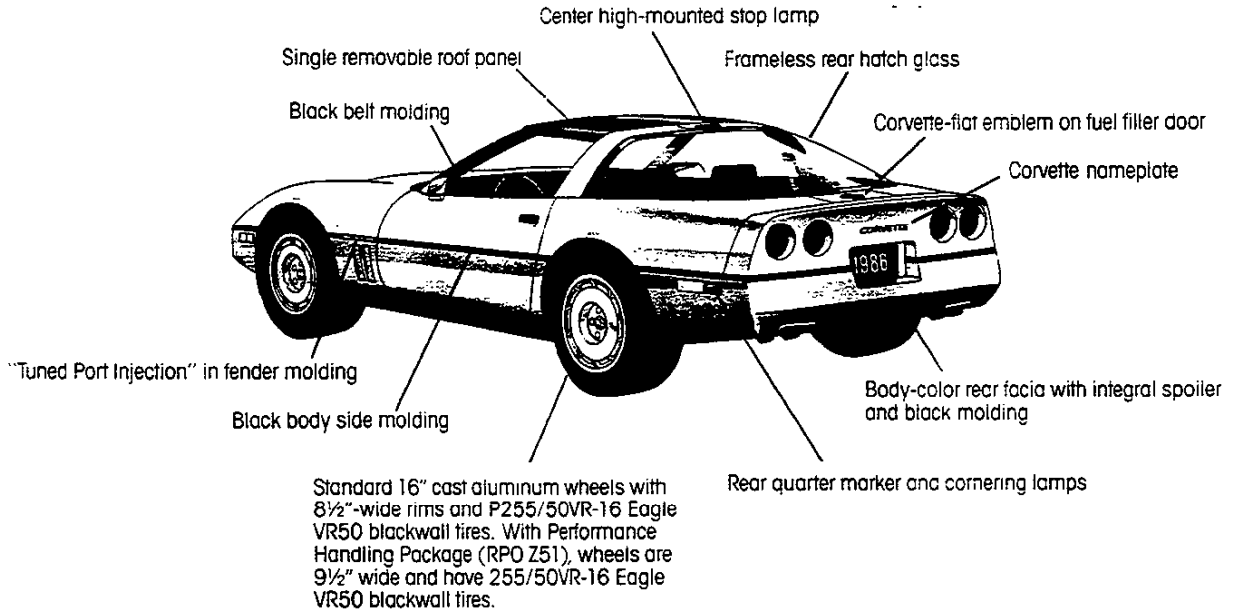
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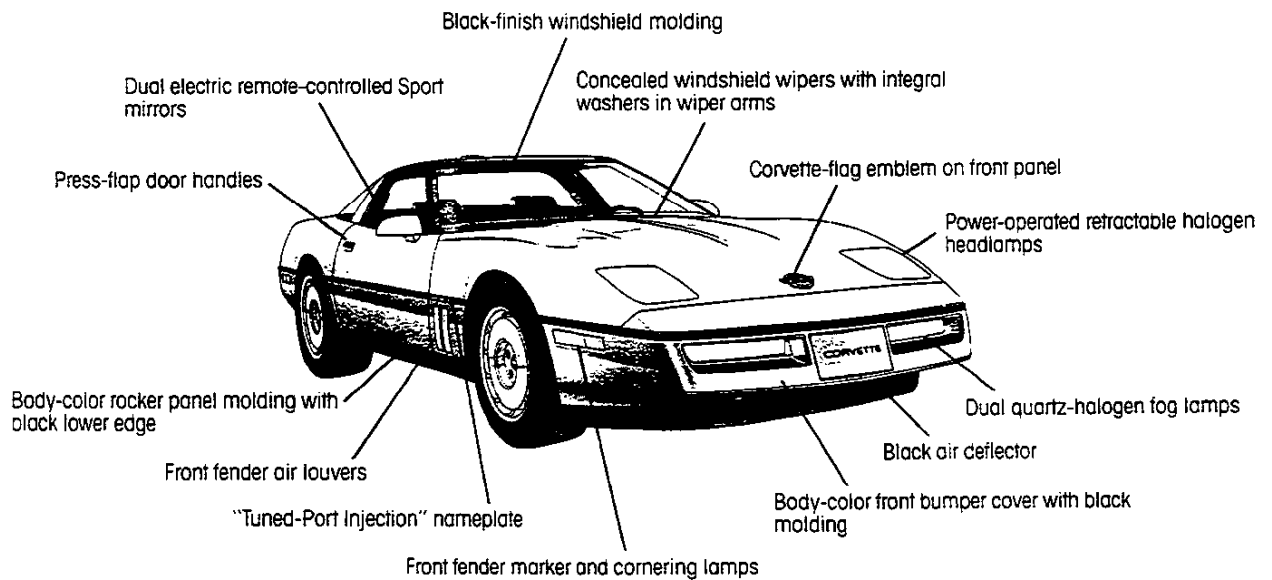
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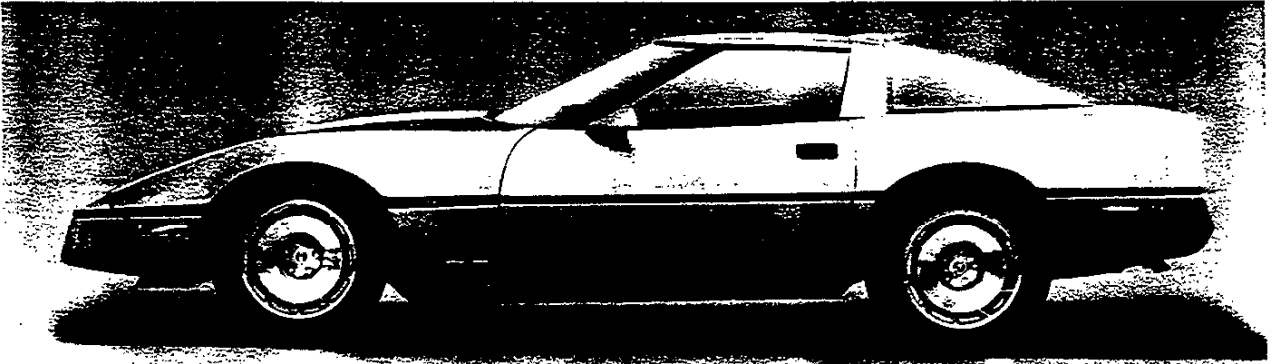
## 2 CORVETTE HATCHBACK COUPE



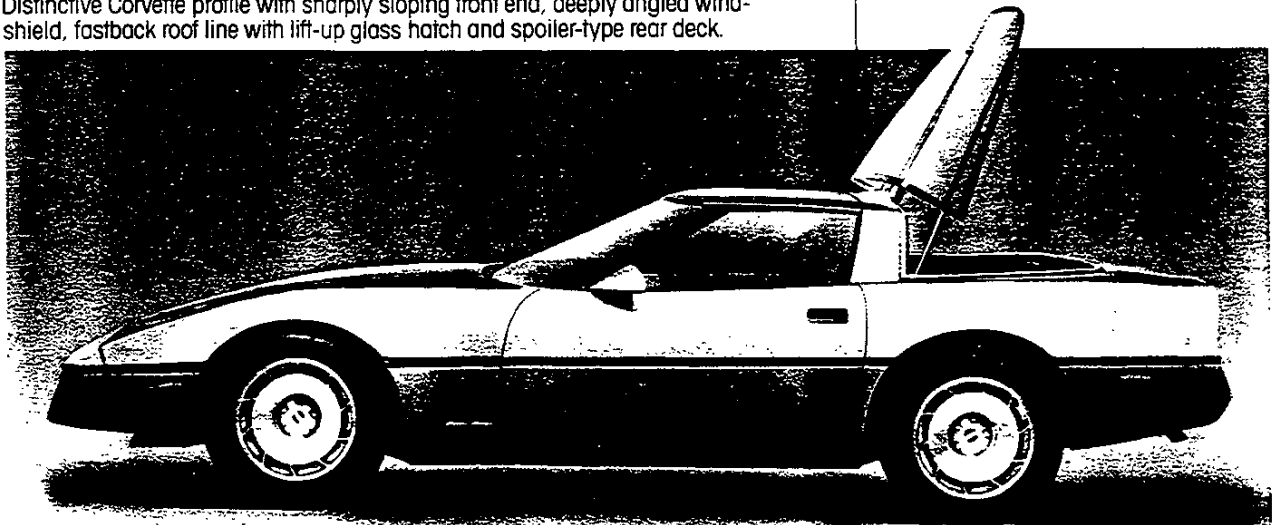
## CORVETTE HATCHBACK COUPE



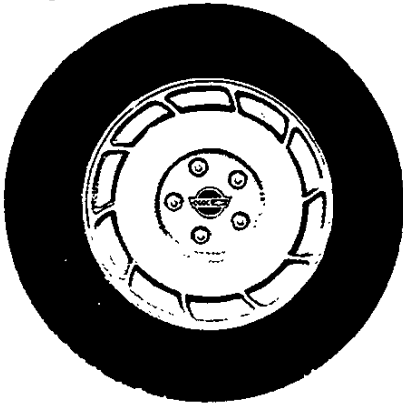




Distinctive Corvette profile with sharply sloping front end, deeply angled windshield, fastback roof line with lift-up glass hatch and spoiler-type rear deck.



Corvette has a lean aggressive frontal appearance and includes hidden head lamps, halogen fog lamps and twin Sport electronic outside rearview mirrors.



Standard 16" cast aluminum wheels with 8½"-wide rims and P255/50VR-16 Eagle VR50 blackwall tires. 9½" wide wheels included with Performance Handling Package (RPO Z51).



Dual electrically controlled rearview mirrors are standard

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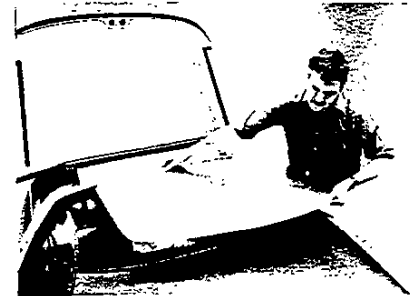
## 4 MODEL FEATURES

Features include:

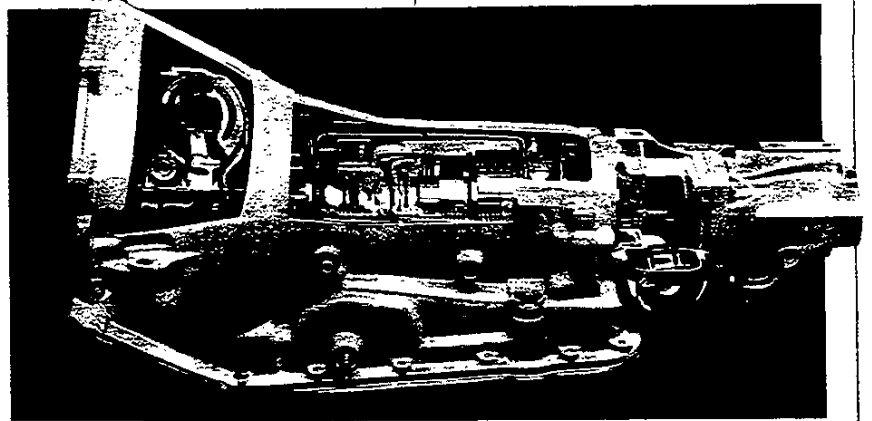
- Anti-Lock Braking System
- More Effective Anti-Theft Device with Specially Encoded Key
- Available Automatic Temperature Control Air Conditioning
- Center High-Mounted Stop Lamp
- Air Conditioning
- Power Steering, Windows
- Power 4-Wheel Recaro-Girlock Disc Brakes
- Grille-Mounted Halogen Fog Lamps
- Forged Aluminum Suspension Arms
- Filament-Wound Fiberglass Leaf Springs
- High-Compression Tuned-Port Fuel-Injection 5.7 Liter V8
- Digital Instrument Cluster with English/Metric Readouts
- Tilt and Telescope Steering Column
- Door-Mounted Wiper Washer Controls
- AM/FM ETR™ Stereo Radio with Four Speakers, Digital Clock and Power Antenna
- 16" x 8½" Aluminum Turbine-Bladed Wheels
- 255/VR50-16 Eagle GT Tires
- 4-Speed Manual Transmission with Overdrive in Top Three Gears
- Automatic Transmission Optional at No Extra Cost
- Door Edge and Glove Box Hatch Release
- Floor Storage Compartments

### ■ Rear Cargo Area Shade

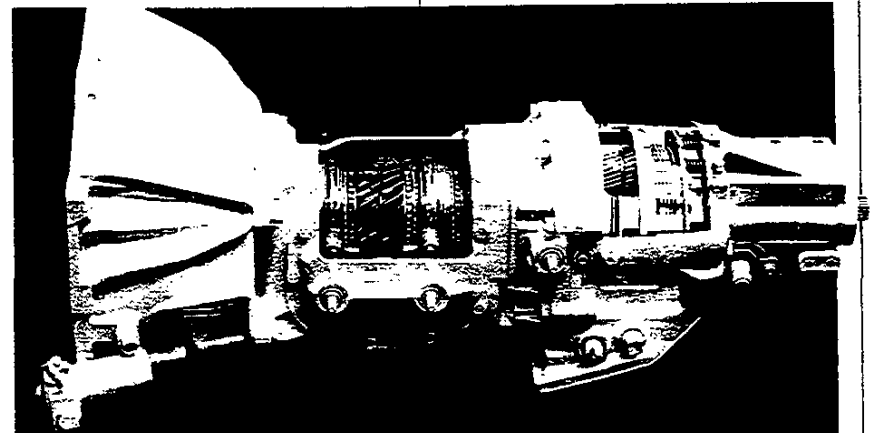
Vehicle anti-theft system (VATS). This system offers a vastly improved protection against unauthorized vehicle operation. It includes a special VATS module with a resistor decoder and special ignition key imbedded with a pellet of specified resistance. Other equipment includes a special always-open starter relay and a new "smart" ignition lock cylinder. When the key is placed in the ignition, lock cylinder contacts "read" the resistance. If compatible, it closes the starter relay, activates the fuel pump and energizes the starting circuit.



One-piece roof panel lifts off for open-air driving



Automatic transmission with overdrive and torque converter clutch



Available 4-speed manual transmission with computer-controlled overdrive in three top gears



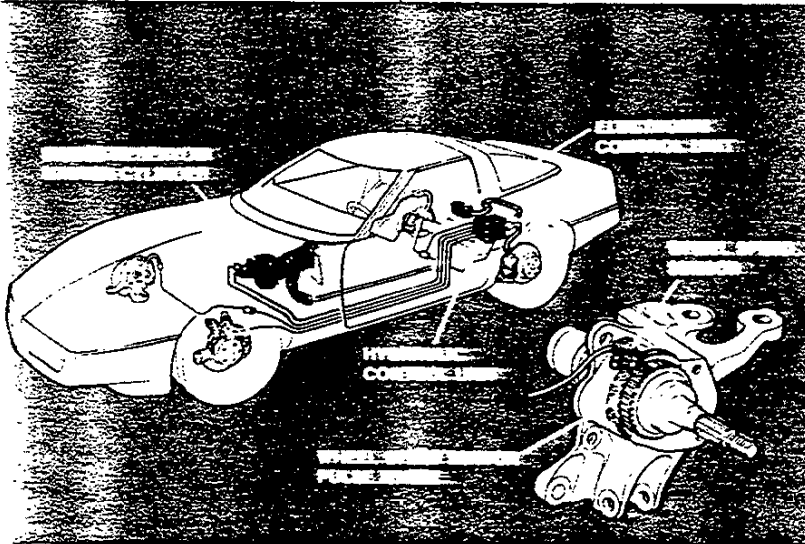
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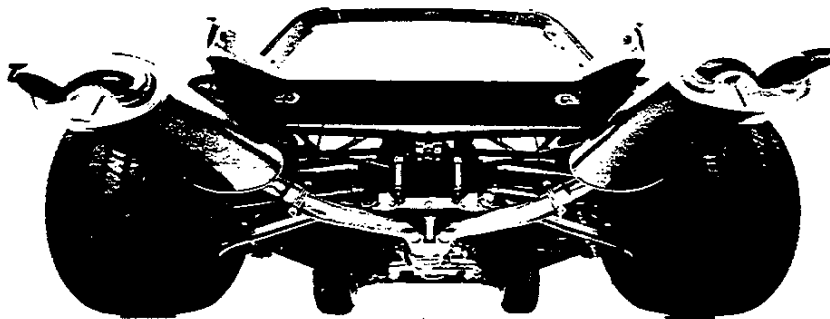




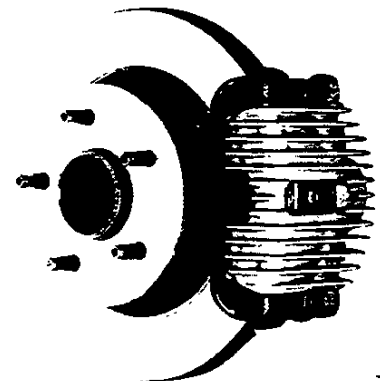
New Bosch ABS II Anti-Lock Braking System compensates for slippery road conditions during hard braking



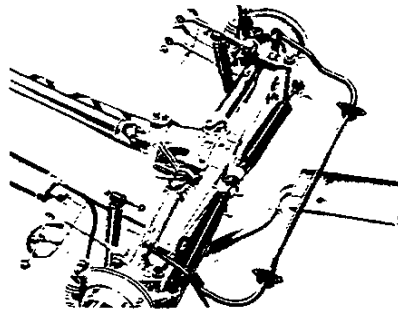
Hatch release is conveniently located in console and at rear edge of doors



Dual exhaust system with functional quad tail pipes



4-wheel Repco-Girlock power disc brake system



Five-link rear suspension with forged aluminum control arms, knuckles and struts and transverse glass-epoxy composite spring



Forged aluminum upper and lower control arms and knuckles





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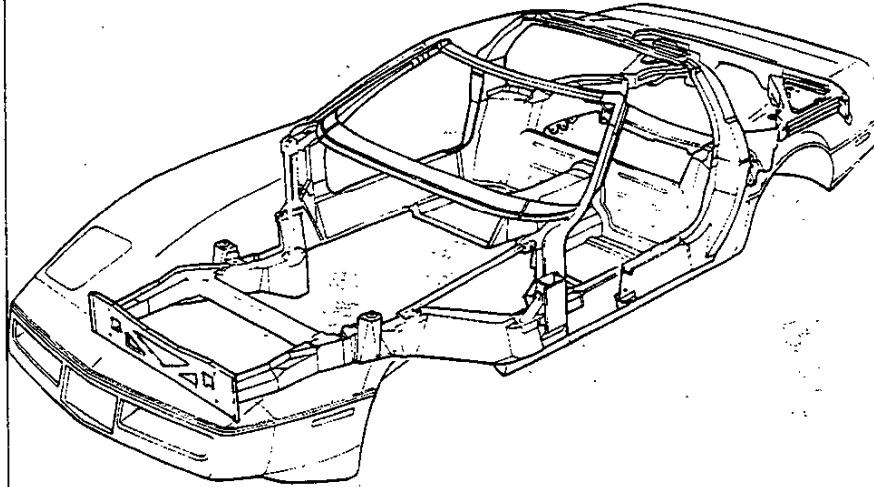
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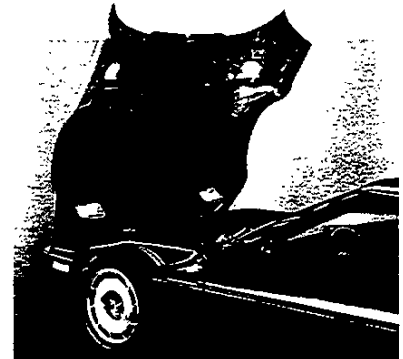
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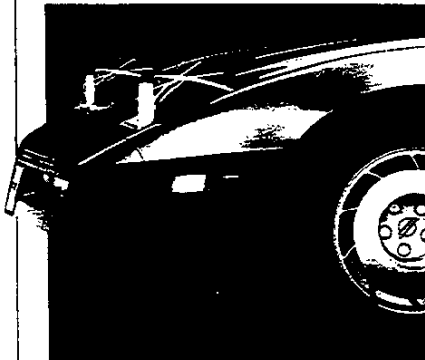
## 6 MODEL FEATURES (CONT.)



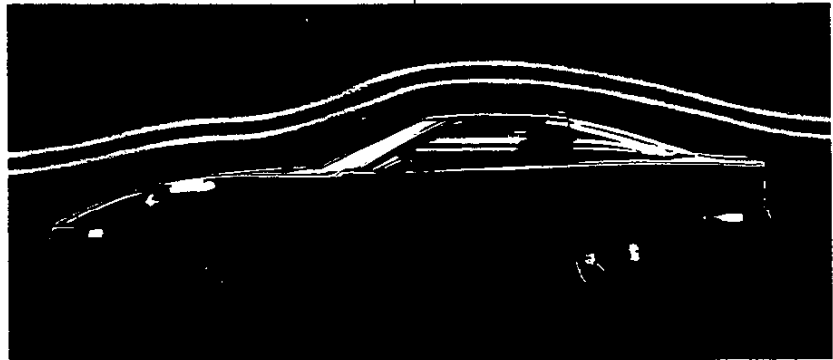
All-welded uniframe with high-strength steel to reduce mass



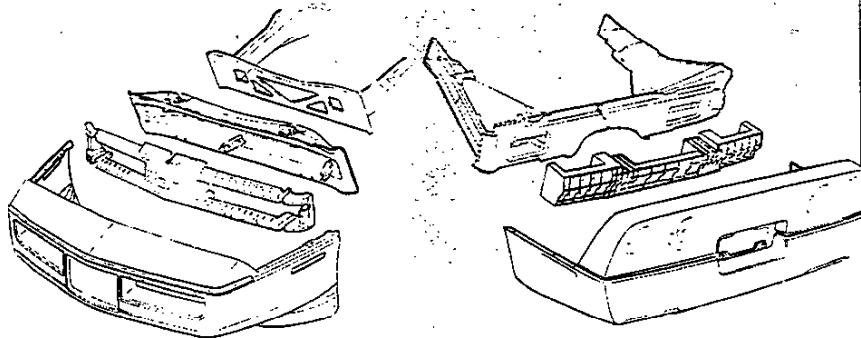
Clamshell hood provides easy engine access



Powerful electric motors rotate the quartz-halogen headlamps



Corvette's aerodynamic shape is the result of extensive wind tunnel testing



Front and rear full-width honeycomb absorbers with soft facia



Rear cornering lamps are standard



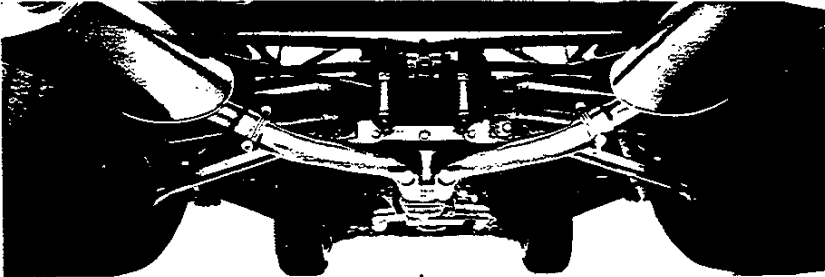
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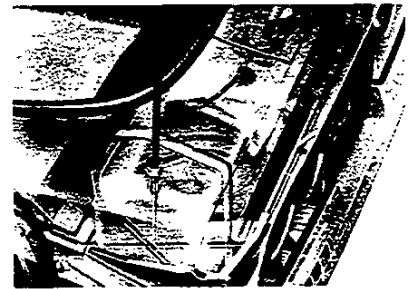




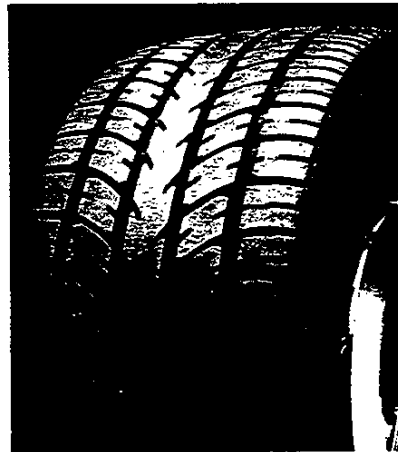
Formula I inspired independent rear suspension



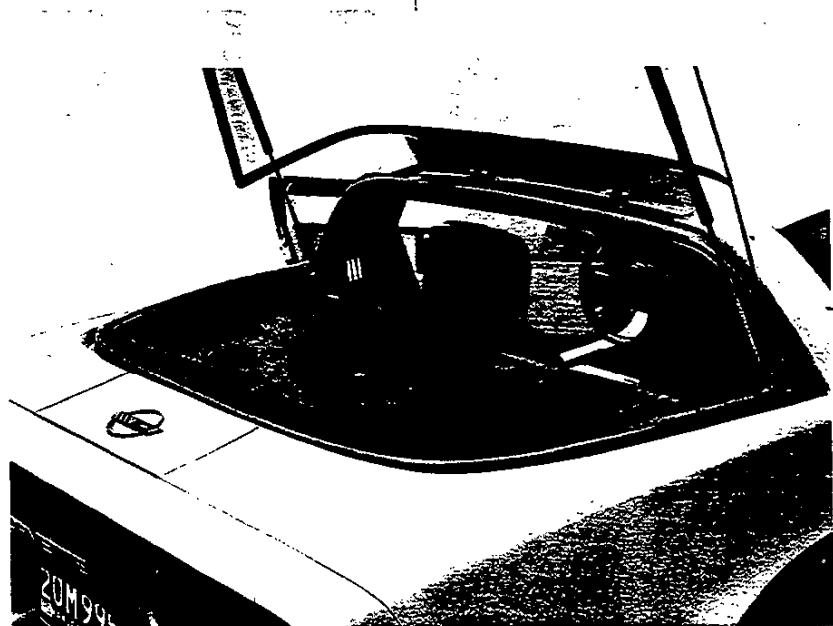
Halogen fog lamps are hinged to fold back on slight impact



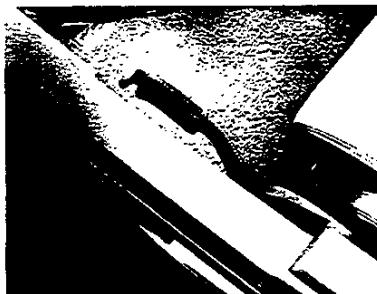
20-gallon fuel tank with cap concealed under door



Standard 16" cast alloy aluminum wheels with Eagle VR50 tires



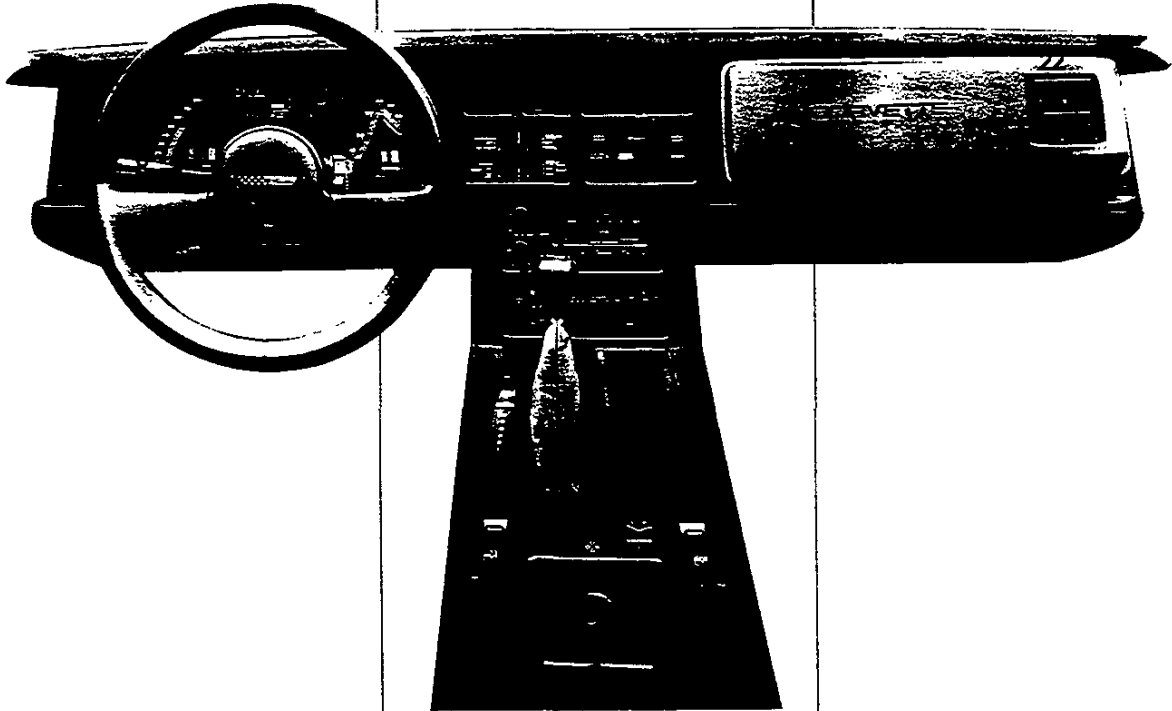
Roller-shade security screen/cargo cover for storing valuables out of sight



Left-hand operated parking brake returns to downward position after application

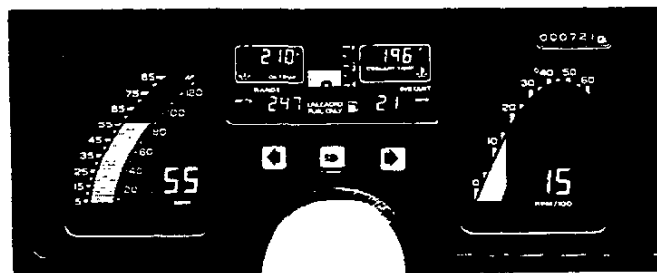


## 8 INSTRUMENT PANEL FEATURES



1. Speedometer—English and metric (analog—5-85 MPH, 10-140 kph; digital reads actual speed)
2. Oil pressure or temperature readouts (metric or English)
3. Trip odometer—miles
4. Light and headlamp rotation switch
5. Leather-covered, two-spoke steering wheel with padded hub
6. Column-mounted multi-function turn signals/headlamp dimmer switch and optional cruise control (RPO K34)
7. 6000 RPM tachometer
8. Fuel gage with low fuel warning and "UNLEADED FUEL ONLY" note
9. Instantaneous or average fuel economy readouts (metric or English)
10. Switch for English/metric readouts
11. Power sport mirror controls
12. Electric rear hatch release (forward wall of glove compartment)
13. Heater and air conditioning controls
14. Engine coolant temperature and voltage readouts (metric or English coolant temperature)
15. Range and trip odometer readouts (metric or English)
16. Fog lamp switch
17. Electronically tuned (ETR™) AM/FM stereo radio w/seek and scan, digital clock\*
18. Leather-wrapped shift lever knob and boot
19. Power window switches
20. Locking glove box includes cassette storage compartment and coin holder
21. Cigarette lighter and ashtray
22. Air conditioning outlets
23. Manual transmission "overdrive engaged" switch

\*May be deleted for credit.



Corvette full LCD digital instrumentation readouts shown in regular (English) mode.



# OPTIONS & ACCESSORIES (Available at extra cost)

## FACTORY-INSTALLED OPTIONAL EQUIPMENT

<b>Air Conditioning, Automatic</b> .....	RPO C68
<b>Axle: Performance ratio</b> .....	G92
<b>Cooler, Oil</b> .....	KC4
<b>Defogger System.</b> Includes rear window defogger and heated outside rearview mirrors .....	Z6A
<b>Door Lock System, Power</b> .....	AU3
<b>Paint, Custom Two-Tone.</b> (See Color and Fabric Selector) .....	D84
<b>Radiator Cooling Boost Fan</b> .....	B4P
<b>Radiator, Heavy-Duty</b> .....	V01
<b>Radio Equipment, GM-Delco:</b> Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Cassette Tape and Digital Clock. Includes power antenna. ....	UM6
<b>Citizens Band Radio.</b> NA with UU8 .....	UN8

<b>Delco-GM/Bose Music System,</b> Electronically Tuned AM/FM Stereo w/Seek-Scan, Cassette Tape and Digital Clock .....	UU8
<b>Radio Delete</b> (for credit; deletes std. radio and speakers) .....	UL5
<b>Roof Panels:</b>	
Blue Tint, Transparent Lift-Off .....	24S
Bronze Tint, Transparent Lift-Off .....	64S
Dual Removable (Req's 24S or 64S) .....	C2L
<b>Seat Equipment:</b>	
Seat, Power, Six-Way, Driver's side .....	AG9
<b>Speed Control, Electronic.</b> With resume speed .....	K34

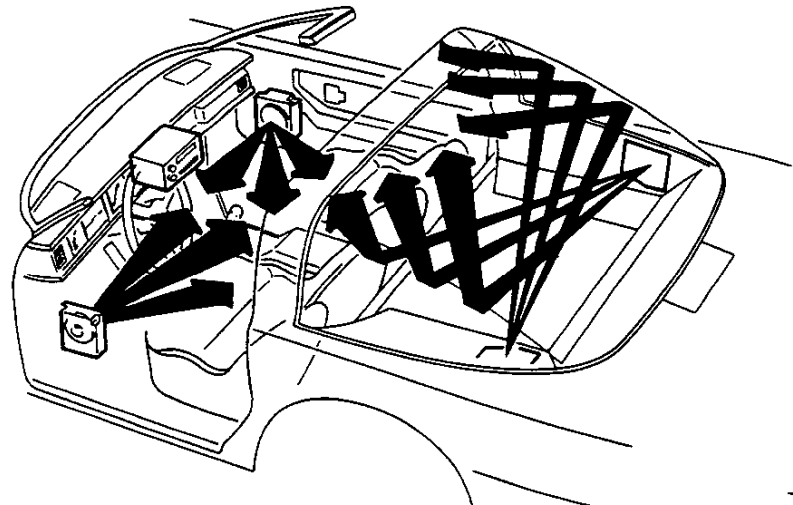
**Suspension Equipment:** Performance Handling Package. Includes P255/50VR-16 tires, selected special lower control arm bushings, Delco/Bilstein shocks, heavy-duty front and rear springs and stabilizer bars, fast-ratio steering-13:1; engine oil cooler, heavy-duty cooling, radiator boost fan and 16" x 9 1/2" wheels, front and rear .... Z51  
Shock Absorbers: Delco/Bilstein .... FG3  
**Transmissions:** See Power Teams page for engine and transmission availability.  
**Trim, Interior.** (See Color and Fabric Selector)

## DEALER-INSTALLED ACCESSORIES

- Cloth, Polishing
- Compass
- Guard, Splash
- Lamp, Spotlight



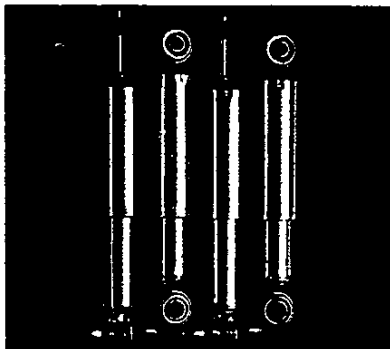
Defogger System



Speakers in Doors and Quarter Panels for proper balance and distribution of direct and reflected sound.



Electronic Speed Control with Resume Feature

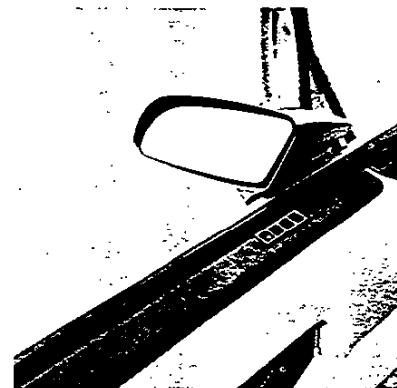


Delco/Bilstein Gas Filled Shock Absorbers

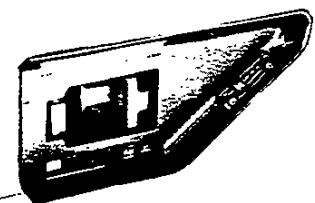


Transparent Lift-Off Roof Panel

**Delco-GM/Bose Music System,** Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Cassette Tape and Clock. Includes 4



Defogger System



Pressure-Sensitive Power Door Lock System





# 10 EQUIPMENT SUMMARY

POWER TEAMS/ CHASSIS/MECHANICAL	Corvette Hatchback and Convertible
Computer Command Control	S
5.7 Liter TPI V8 engine (Tuned-Port Fuel Injection)	S
Automatic transmission with overdrive fourth gear	S
Aluminum intake plenum, tuned crossover runner manifold	S
Stainless steel exhaust manifolds and free-flow mufflers	S
Hydraulic valve lifters and exhaust valve rotators	S
Cast iron cylinder heads	S
Magnesium engine valve covers	S
Poly-Vee single-belt engine accessory drive belt	S
Electric in-tank positive displacement roller vane fuel pump	S
Electric engine coolant fan	S
High Energy Ignition system	S
Delco Freedom Plus II battery with sealed side terminals	S
Power rack-and-pinion steering	S
Power anti-lock disc brakes at all four wheels with 11.5" rotors and finned aluminum calipers	S
Exclusive monoleaf glass-epoxy composite transverse front and rear springs	S
Forged aluminum front and rear suspension arms	S
Limited-slip differential	S
Sturdy uniframe body structure 100% galvanized and dip-painted	S
Full independent four-wheel suspension	S
P255/50VR-16 steel-belted radial ply blackwall tires (Goodyear Eagle VR50)	S
Cast alloy aluminum wheels, steel compact spare	S
Center high-mounted stop lamp	S

S—Standard \*May be selected for credit

POWER TEAMS CHASSIS/MECHANICAL (Cont'd)	Corvette Hatchback and Convertible
Vehicle anti-theft system with encoded key	S
Side lift jack	S

EXTERIOR	Corvette Hatchback and Convertible
Front fender louvers	S
Front cornering lamps, rear cornering lamps	S
Automatic power antenna	S
Power-operated quartz-halogen retractable headlamps	S
Dual quartz-halogen fog lamps in grille opening	S
Dual electric remote-controlled sport mirrors	S
Tinted and flush-mounted glass	S
Full-tilting clam-shell-type hood	S
Single removable roof panel	S
Styled engine compartment	S
Designed-in body side molding	S
Frameless rear hatch glass with three remote releases	S
Body-color front and rear soft fascia with integral front air dam	S
Energy-absorbing bumper systems	S
Corrosion-resistant fiberglass body panels	S
Concealed wipers with integral washers in wiper arms	S

INTERIOR	Corvette Hatchback and Convertible
Contour-shell cloth bucket seats with lateral support and back-angle adjustment	S
Soft-padded and carpeted door panels	S

INTERIOR (Cont'd)	Corvette Hatchback and Convertible
Power windows	S
Side window defogger	S
ETR™ AM/FM stereo radio w/seek and scan, digital clock and four speakers*	S
Air conditioning	S
High-intensity interior lamps on door sidewall and "B" pillar	S
Underdash courtesy lamps	S
Twin underhood lamps	S
Headlamp-on reminder	S
Intermittent windshield wipers	S
Illuminated RH visor vanity mirror	S
Leather-wrapped steering wheel	S
Tilt-Telescopic steering wheel	S
Driver information system: includes instant MPG, average MPG, and range in digital readouts	S
Ultracontemporary instrument panel featuring electronic liquid-crystal instrumentation with multi-colored analog and digital display. Readouts include: speedometer, 6,000 RPM tachometer, fuel level, oil pressure, oil temp., voltmeter. Conventional readouts for odometer, turn signals and high-beam headlamps	S
Manual inside hood release	S
Center console with shifter, coin tray, cigarette lighter and ashtray, power window, radio, air conditioning controls, electric mirror controls and override switch for 4-speed manual transmission on shift knob	S
Day/night rearview mirror with integral map lamps (interim)	S
Deep-twist floor and stowage area carpet	S
Rear underfloor storage compartments (2)	S
Acoustical insulation package	S
Luggage compartment concealment roller shade	S



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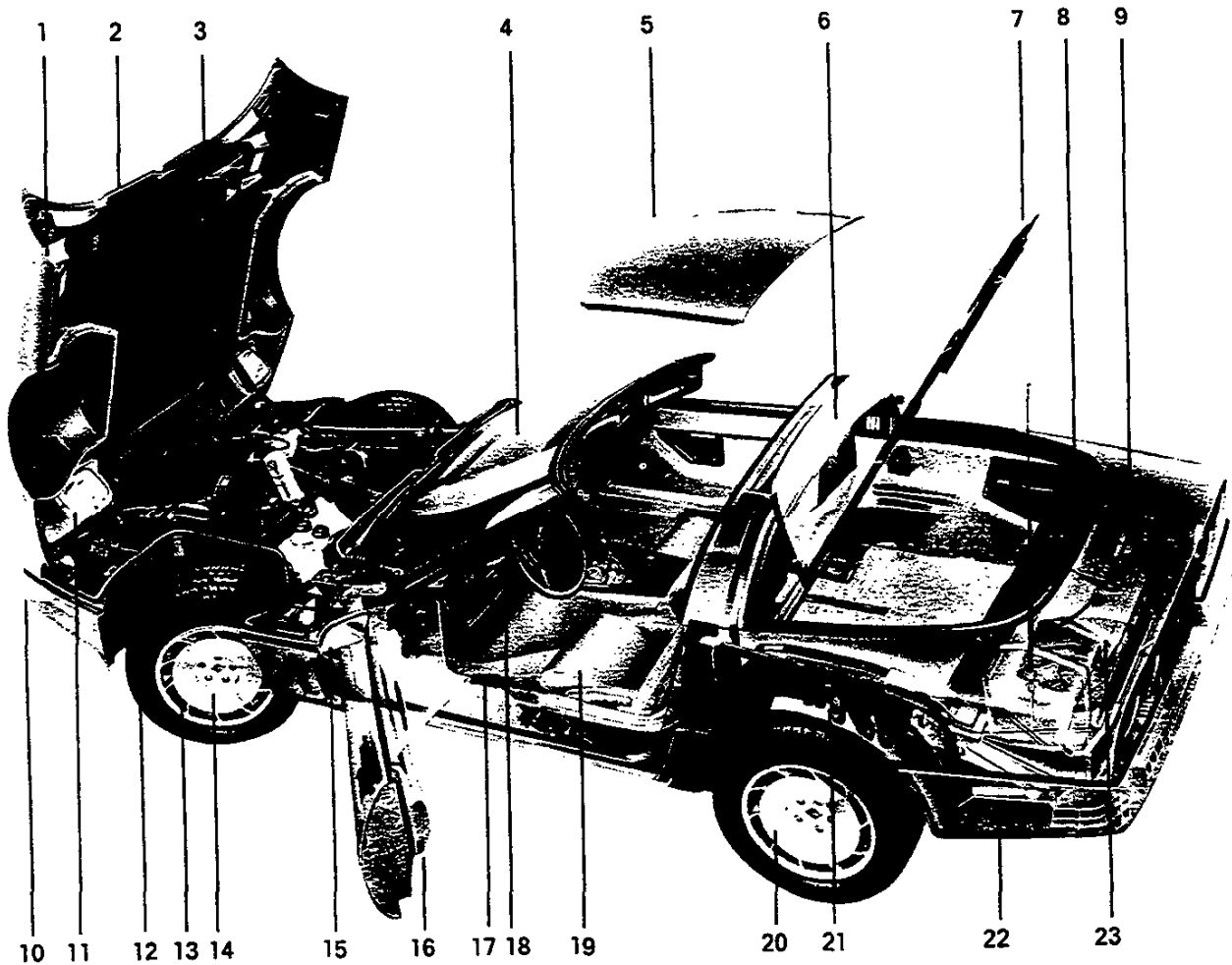
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1. Twin underhood lamps
2. Clamshell hood opening for convenient engine access
3. Thermostatically controlled electric cooling fan
4. 64° windshield angle
5. One-piece removable roof panel
6. Center high-mounted stop lamp
7. Full-opening glass hatch with concealed hinges
8. Roller-shade-type cargo cover and twin, covered stowage bins
9. Concealed gas filler with cap holder
10. Front cornering lamps
11. Retractable, aerodynamic halogen headlamps
12. Tires: P255/50VR-16 Eagle VR50 blackwalls standard
13. Four-wheel disc brakes with 11.5" rotors and finned aluminum calipers



14. Special wheel-bolt locks standard
15. Electrically operated outside mirrors
16. Rear hatch release at each door and in console
17. Left-hand parking brake returns to down position after application
18. Tilt-Telescopic steering wheel
19. Contoured reclining seats with lateral support and wool-pad comfort liner
20. Cast alloy wheels 16" x 8½" standard; 16" x 9½" with Z51 Performance Handling Package (shown)
21. Five-link independent rear suspension with transverse component epoxy spring
22. Rear cornering lamps
23. 20-gallon fuel tank with positive displacement roller vane electric fuel pump

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## 12 BODY FEATURES

The Bowling Green, Kentucky, plant that was new in 1981, and refurbished for the totally new 1984 Corvette, allowed for a whole new approach in dedication to quality by designers, engineers, talented workers and managers. Total commitment and pride in workmanship are evident throughout the entire building process.

A Match Check Frame is a key part of carrying the quality commitment to completion. It serves as a full-size "blueprint" used to check every structural part. And these parts must be built to minute tolerances.

The two-stage automatic welder produces a skeleton as it "builds" the Corvette uniframe automatically, applying 142 precision welds in a matter of 97 seconds. It's a state-of-the-art engineering marvel that creates a solid structure with built-in dimensional stability.

This uniframe design is light, yet stiff in beaming, with excellent torsional characteristics. All-steel substructure is extensively treated and coated to inhibit corrosion. Dash, plenum, front and rear

underbody panels, door sealing panel and roof and quarter panel are adhesively bonded to the uniframe. Front-end panel is bolted on for improved panel fit and repairability. Exposed bond seams are eliminated.

High technology comes into play now with the new paint process. Computer-controlled robots are now used to help assure a more uniform finish for every step in the painting process. All colors are formulated with high-solids acrylic enamel base. For a good match between body and front and rear "soft" facias, the base coat is common. This was a recent innovation, starting with the 1984 Corvette. Base coat non-metallic colors are also common between body and facias. All colors are finished with a clear coat.

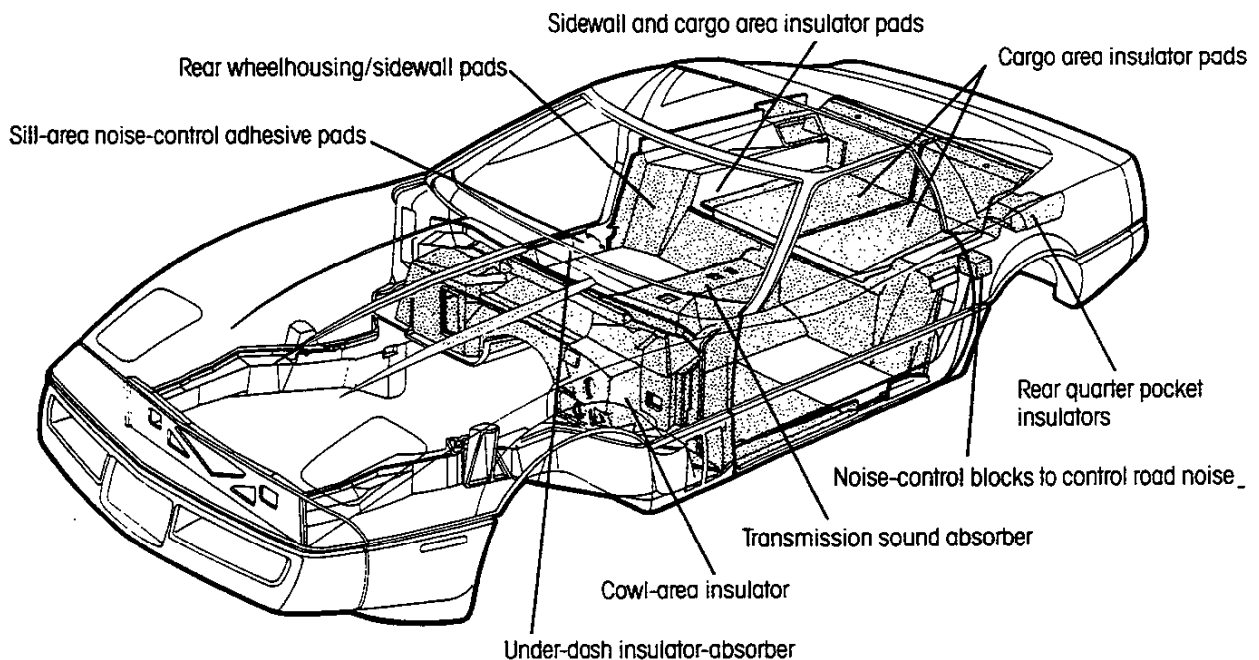
The chassis, drive train and suspension are married to the body in a specially built new hydraulic "towvever" interlocking system which helps assure that every contact point will match.

Application of computer technology at Bowling Green is among the highest in the industry. There

are computers to double-check the computer. CRT terminals are used for inventory control, part location/delivery, manpower control, and quality control. Computer-generated inspection tickets follow a new Corvette throughout the assembly process. Even the front-suspension and rear-wheel alignment on the new Corvette is computerized for precise accuracy.

Each day there is a "Morning Audit." Salaried and hourly employees meet to examine cars in detail. They discuss quality reports from the previous day's production and consider any ideas that might lead to improvements. They search for ways to assure and enhance the quality of Corvette.

It is typical of the attention to detail in evidence throughout the plant. Here, we've assembled talented workers and some of the most modern production equipment available today. And it is the Corvette plant. One plant, one group of people, dedicated to building one brand, one model, at a deliberate pace of just a few cars each hour.



### FOR A HUSHED, QUIET RIDE...

Keeping "unwanted" sounds out of the passenger compartment is a primary goal of automotive acoustical engineers. Wind noise, road noise and other errant sounds should be kept where they belong... outside. However, in a GT sports car like the Corvette, the throaty sound of exhaust notes can be highly desirable. And it is this kind of

balance that has been struck in the new world-class Corvette. It's a car that goes like it should, sounds like it should, but doesn't create an assault on the occupants at the same time. Flush-mounted windshield and rear window, plus the absence of protrusions to interrupt the wind, help give the car an ability to slip through the wind with a minimum of noise. These, in addition to the inherent sound-

deadening qualities of fiberglass bonded to the steel uniframe, provide an excellent base for further acoustical engineering. Various insulator pads of acoustical material literally surround the driver and passenger with a barrier against outside, unwanted sounds. The illustration on this page shows some of the materials and location of many of these lightweight, highly effective insulators.



Engine	RPO No.	Engine Availability	Transmission Availability		Rear-Axle Ratios	
			Four-Speed Manual w/Automatic Overdrive RPO MM4	Four-Speed Automatic w/Overdrive RPO MX0	Four-Speed Manual RPO MM4	Automatic w/Overdrive RPO MX0

**ALL STATES**

5.7 Liter TPI* V8 (A)	L98	STD	OPT	STD	3.07 <sup>†</sup>	2.59 <sup>†</sup>
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\*Tuned-Port Fuel Injection. †3.07 with G92 performance ratio and Z51 Performance Handling Package. STD—Standard OPT—Optional at no charge.  
 (A) Produced by GM—Chevrolet Motor Division.

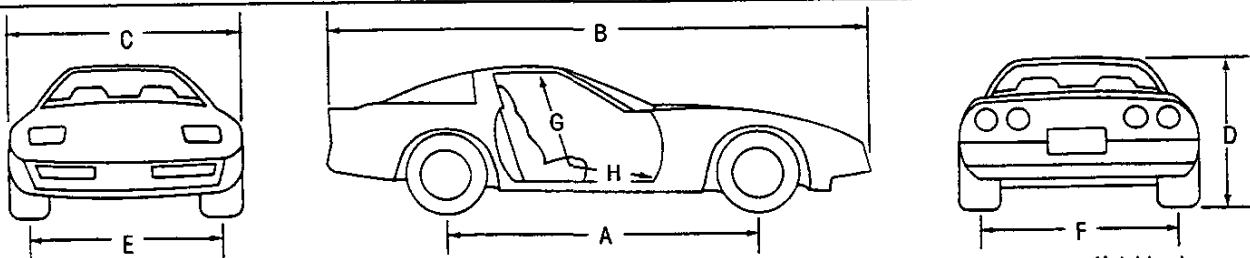
## ENGINE SPECIFICATIONS

ENGINE TYPE	90° V8—OHV
DISPLACEMENT (CU. IN.)	350
BORE AND STROKE (IN.)	4.00 x 3.48
HP* @ RPM	230 @ 4000
TORQUE* @ RPM (LBS.-FT.)	330 @ 3200
COMPRESSION RATIO	9.0:1
FUEL INDUCTION	Tuned-Port Fuel Injection (TPI)
FUEL REQUIREMENT	87-Octane Rating Unleaded Gasoline <sup>†</sup>
CHOKE	None Required
VALVE LIFTERS	Hydraulic
ENGINE EXHAUST	Dual

CATALYTIC CONVERTER	Dual Bed with Monolith Substrate*
MUFFLER/S	Dual-Free Flow Type
RESONATOR/S	None
TAILPIPE/S	Dual
IGNITION SYSTEM	12-Volt High Energy Ignition
DELCOTRON GENERATOR	105 Amp
BATTERY (SAE CAPACITY RATING) —Cold Crank Amps	630 Amp
SPARK PLUGS	FR3LS
COOLING SYSTEM CAPACITY (QTS.)	14.7 Manual 14.5 Automatic
CRANKCASE CAPACITY (QTS.)	4—Less Filter

\*SAE net. OHV—Overhead Valve. †85 octane rating may be used in certain high-altitude areas specified in Owner's Manual. Gasohol of equivalent octane rating may also be used, provided it is blended of not more than 10% ethanol. #Free-flow converter with wide-oval inlet and outlet.

## DIMENSIONS, SPECIFICATIONS & SERVICE INTERVALS



EXTERIOR DIMENSIONS (in.)		Hatchback Coupe
A	Wheelbase	96.2
B	Length (overall)	176.5
C	Width (overall)	71.0
D	Height (loaded)	46.4
E	Tread—front	59.6
F	Tread—rear	60.4
	Minimum ground clearance	4.7
INTERIOR ROOMINESS (in.)		
G	Head room	36.5

INTERIOR ROOMINESS (in.)		Hatchback Coupe
H	Leg room	42.6
	Shoulder room	54.1
	Hip room	49.3
LUGGAGE/CARGO COMPARTMENT		
	Cargo volume (cu. ft.)	17.9
	RATED FUEL TANK CAPACITY (gal.)	20.0
CURB WEIGHT (pounds)		
	With automatic transmission	3225
	With manual transmission	3216

**SERVICE INTERVALS\***

Engine Oil	12 months or 7,500 miles	Chassis Lubrication	12 months or 7,500 miles
Oil Filter	12 months or 7,500 miles; every 15,000 miles thereafter	Automatic Transmission Fluid Change	Every 100,000 miles
Spark Plugs	Up to 30,000 miles		

\*Under ideal conditions. Consult Owner's Maintenance Schedule for conditions requiring more frequent service intervals.

See Dealer Order Guide for latest available information.

CORVETTE

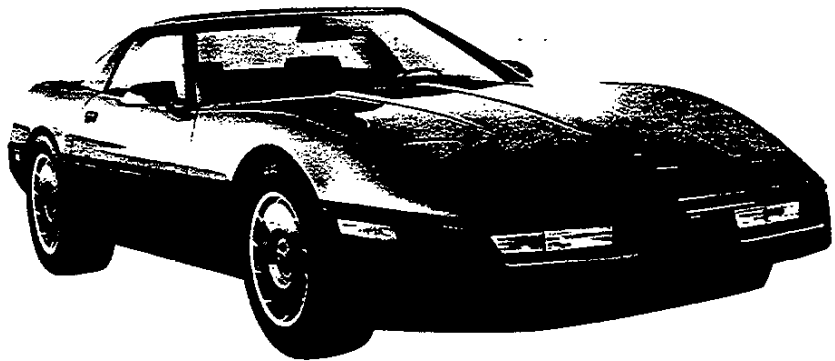




# 14 EXTERIOR DECOR FEATURES

## CUSTOM TWO-TONE (RPO D84)

Custom Two-Tone exterior with accent color on body sides and fenders separated by body side moldings.



## COLOR & TRIM SELECTIONS

Model	Seat Type	Interior Colors					
		Blue	Bronze	Graphite	Gray	Red	Saddle
Corvette	Standard Cloth Bucket	X	X	X	X		X
	Optional Leather Bucket	X	X	X	X	X	X
	Optional Leather Adjustable Sport Bucket	X	X	X	X	X	X

Exterior Colors	Color Code	Blue	Bronze	Graphite	Gray	Red	Saddle
Silver Metallic	13			X	X	X	
Medium Gray Metallic	18			X	X	X	
Medium Blue Metallic	20	X		X			
Yellow	35			X			
White	40	X	X	X	X	X	X
Black	41			X	X	X	X
Gold Metallic	53			X			X
Silver Beige Metallic	59		X	X			
Copper Metallic	66			X			X
Medium Brown Metallic	69		X				X
Dark Red Metallic	74			X			X
Bright Red	81			X		X	X

Custom Two-Tone Colors (RPO D84)	Color Code Upper/Lower	Blue	Bronze	Graphite	Gray	Red	Saddle
Silver Metallic/Medium Gray Metallic	13/18			X	X	X	
Medium Gray Metallic/Black	18/41			X	X		
White/Silver Metallic	40/13			X	X		
Silver Beige/Medium Brown Metallic	59/69		X				



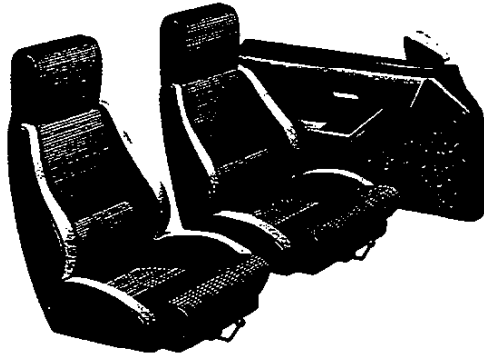
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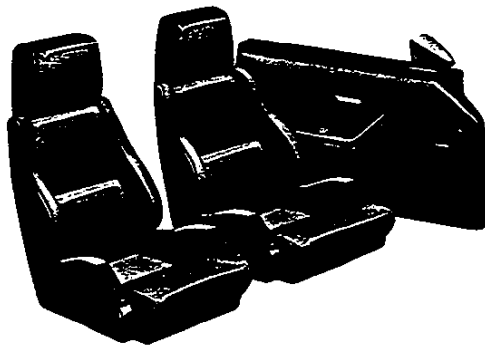
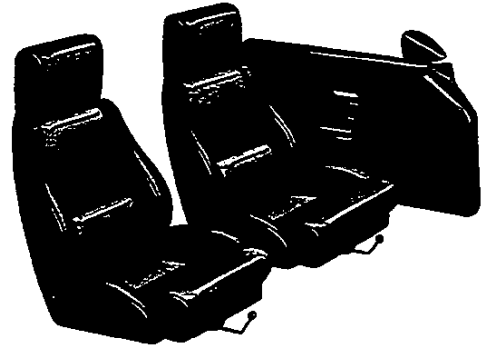
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Standard cloth Reclining Bucket Seats with integral head restraints and wool-pad comfort liner.

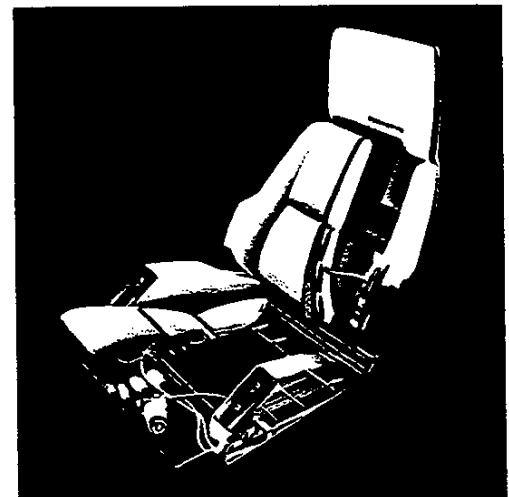
Optional leather Reclining Bucket Seats with integral head restraints and wool-pad comfort liner.



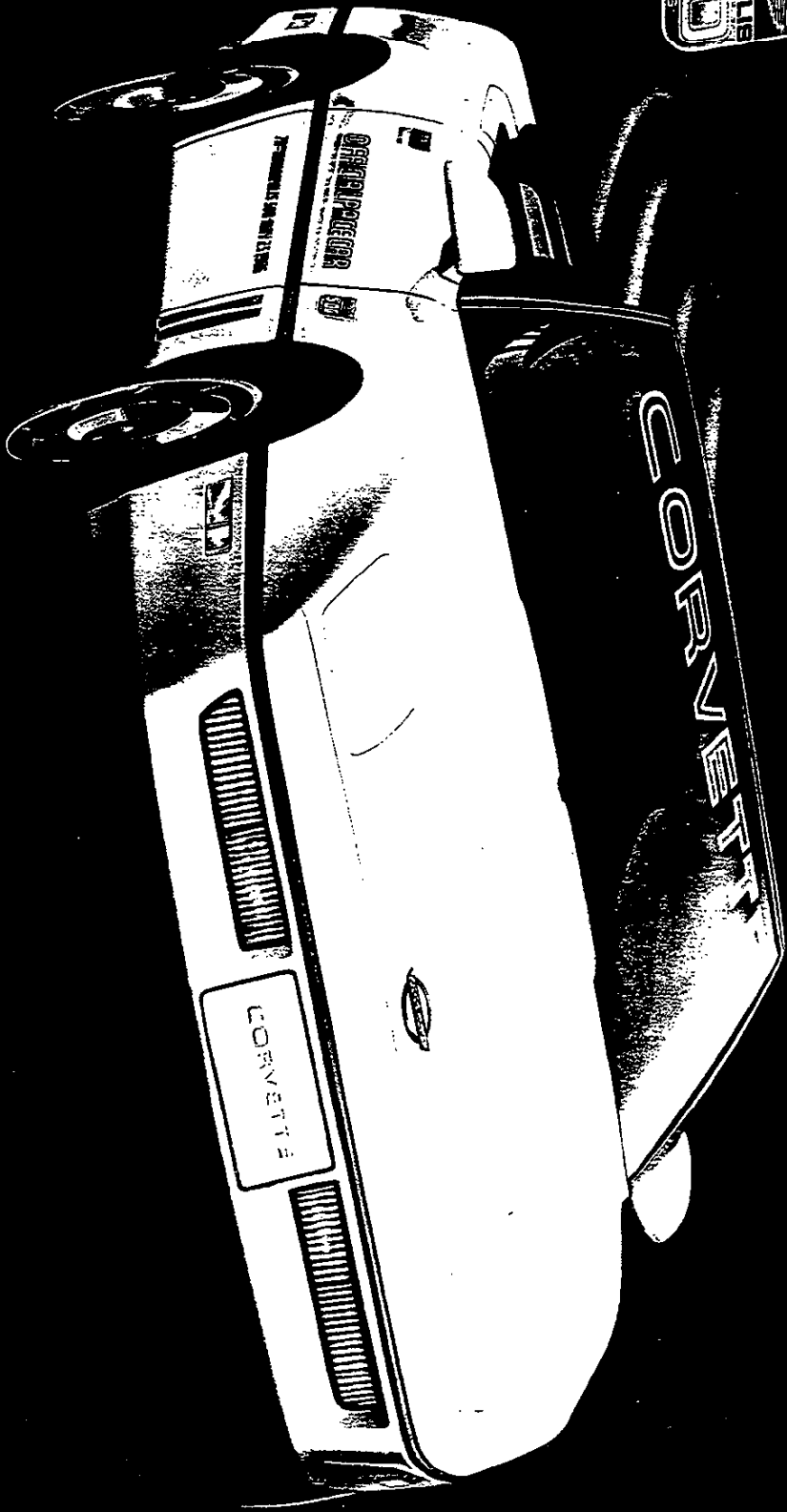
Optional leather Adjustable Sport Seats with integral head restraints and wool-pad comfort liner.

### OPTIONAL ADJUSTABLE SPORT SEATS

Both driver and passenger seats feature full power adjustment for lumbar, backrest and backrest bolster adjustments to provide a high degree of versatility for practically every human form. Three separate lumbar supports for the lumbar region are controlled by internal bladder-type cells, powered by an air pump. These cells can be inflated or deflated to give the degree of pressure desired, especially on long drives. Lateral adjustment of the seat-back sides is controlled by a side-bolster power switch. This allows occupants to adjust the backrest sides to a comfortable degree of snugness. Back angle has a 12-degree adjustment range. Separate six-way power adjustment for the driver's side only is available; fore and aft adjustment is 6.5 inches, with up and down travel of approximately 1.5 inches.







1986 CORVETTE CONVERTIBLE OFFICIAL INDY 500 RACE CAR.





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# AMERICAN'S SPORTS CAR.

The first Corvette Convertible since 1975 takes the honors as the Official Pace Car of the 1986 Indianapolis 500 next May 25. This distinct model Corvette features official pace car exterior graphics and the 5.7 Liter 230-HP Tuned-Port Fuel Injection V8 engine with aluminum heads. Other than the specially fabricated light bar and strobed driving, brake and cornering lamps, the Corvette pace car is identical to the showroom model.

You can order a 1986 Corvette Convertible with special Indy 500 pace car exterior graphics, interior emblem and the same 5.7 Liter engine used at Indy. Your choice of 12 exterior colors and three convertible top colors.

As befits a legend, the 1986 Corvette sports a long list of standard features. One of the newest and most innovative on the Corvette is the Bosch ABS II Anti-Lock Braking System. It's a computer-controlled system that regulates brake pressure automatically should the driver call for braking beyond normal tire/road interface capability.

So when conditions turn foul, you can count on the ABS II system to help improve driver ability to simultaneously brake and steer out of trouble.

Another new feature for 1986 is the sophisticated Vehicle Anti-theft System (VATS). The heart of VATS is a special module with a resistor decoder and an ignition key with a pellet of specified resistance—plus a special starter relay and a new lock cylinder. When the key is placed in the ignition, lock cylinder contacts "interrogate" the resistance. The VATS module then decodes the key and, if compatible, closes the starter relay which allows the driver to start the car. An anti-theft horn alarm circuit is also standard.

For more details on the 1986 Corvette Convertible, see your local Chevrolet dealer.



TODAY'S CHEVROLET

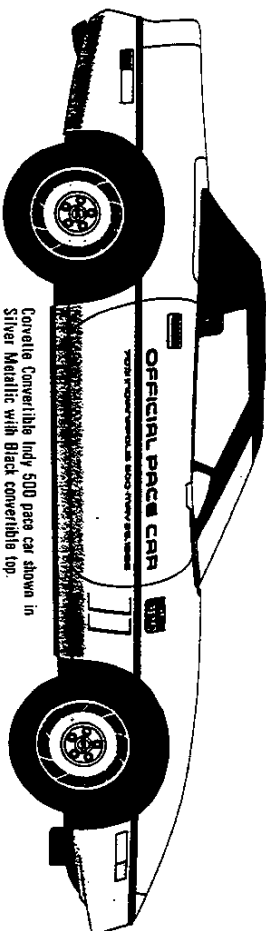


Special Indy 500 interior emblem.

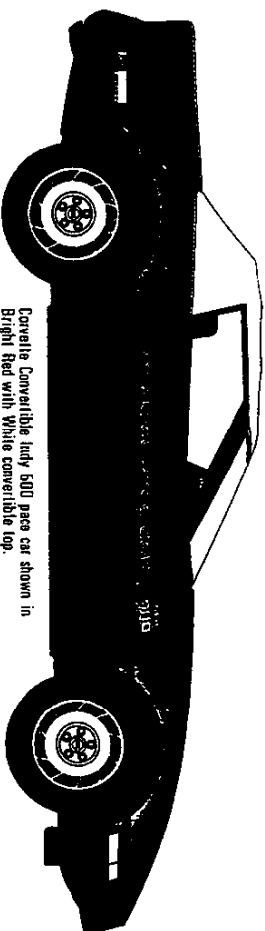
All illustrations, specifications and colors in this flyer are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time without notice.



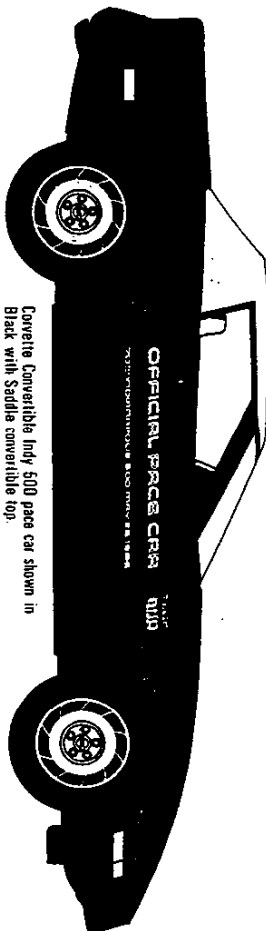
Corvette Convertible Indy 500 pace car shown in Gold Metallic.



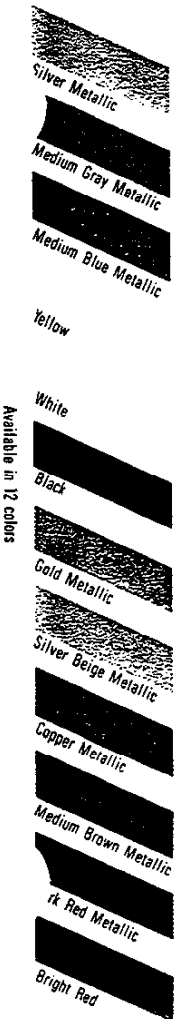
Corvette Convertible Indy 500 pace car shown in Silver Metallic with Black convertible top.



Corvette Convertible Indy 500 pace car shown in Bright Red with White convertible top.



Corvette Convertible Indy 500 pace car shown in Black with Saddle convertible top.



Available in 12 colors



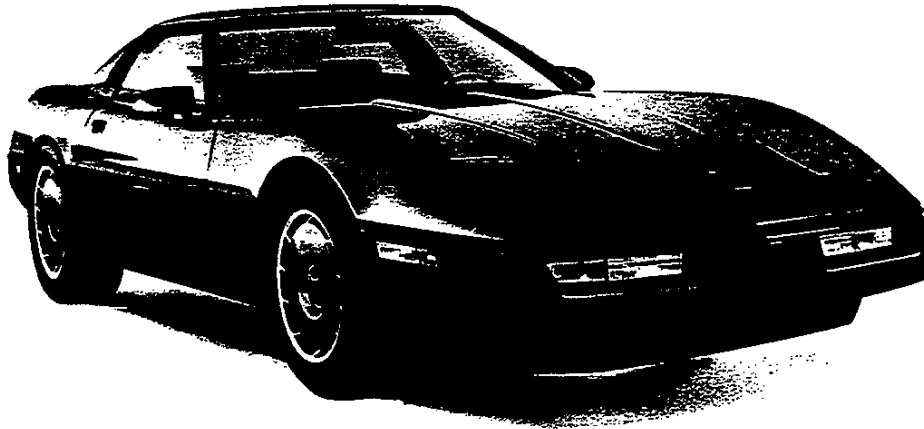


# ORDERING INFORMATION

## 1986 CORVETTE

### CORVETTE

Sport Coupe ..... Model Number 1YY07



### NEW FEATURES

- New electronic anti-lock brake system with steering control during hard braking.
- New Vehicle Anti-Theft System (VATS) with specifically encoded key.
- Standard 5.7 Liter TPI 350 engine now with aluminum cylinder heads with increased inlet port flow, sintered metal valve seats and improved oil sealing.
- Center high-mounted stop lamp.
- Weight-saving P245/VR50-16 tires and new wheel appearance.
- Tilted instrument cluster for improved daytime viewing.
- Transmission upshift indicator added for economical driving.
- "Low coolant" and brake "anti-lock" monitors.
- Base seat cloth replaced with Sport seat cloth.
- Expanded Two-Tone color selection.
- Optional electronic control air conditioning.
- Improved optional Performance Handling Package.
- 18-gallon fuel tank replaces 20-gallon with automatic transmission only.

### STANDARD FEATURES

- Uniframe-design body structure with corrosion-resistant coating.
- Clamshell-opening front end assembly for easy engine access.
- Full-glass rear hatch with three remote releases and roller-shade cargo cover.
- One-piece removable fiberglass roof panel.
- Independent front and rear suspension with fiberglass transverse leaf springs and forged aluminum A-arms.
- Ultra-contemporary instrument panel features electronic liquid-crystal instrumentation with multi-colored analog and digital display in either English or metric readout.
- Driver information system with instant MPG, average MPG and range readouts.

- Electronically tuned, seek-and-scan AM/FM stereo with digital clock and 4-speaker system\*.
- Side-window defoggers, halogen fog lamps and rear cornering lamps.
- Power-adjusted outside rearview mirrors.
- Automatic power-operated radio antenna.
- Cloth seats with lateral support and back-angle adjustments plus wool-pad comfort liner.
- Cast alloy 16" x 8 1/2" aluminum wheels and Goodyear Eagle GT steel-belted radial tires.
- Power rack-and-pinion steering and power four-wheel disc brakes.
- Air conditioning and power windows.
- Anti-theft alarm system with starter-interrupt feature.
- Power-operated, retractable halogen headlamps.
- Full instrumentation.
- Computer Command Control.
- Aluminum intake manifold with tuned runners.
- Hydraulic valve lifters and exhaust valve rotators.
- Magnesium engine valve rocker covers.
- Outside-air induction system.
- Electric in-tank twin turbine fuel pump.
- High Energy Ignition system.
- Delcotron generator with built-in solid-state regulator.
- Underhood lamp.
- Headlamp-on reminder.
- Leather-wrapped steering wheel.
- Tilt-Telescopic steering wheel and column.
- Glove compartment lock and lamp.
- Intermittent windshield wipers.
- Center console with shifter and coin tray; includes controls for windows, radio, air conditioning and electric mirror controls.
- Day/night rearview mirror.
- Deep-twist floor and stowage area carpet.
- Acoustical insulation package.

\*May be deleted for credit.

Refer to Dealer Order Guide for option availability and application.



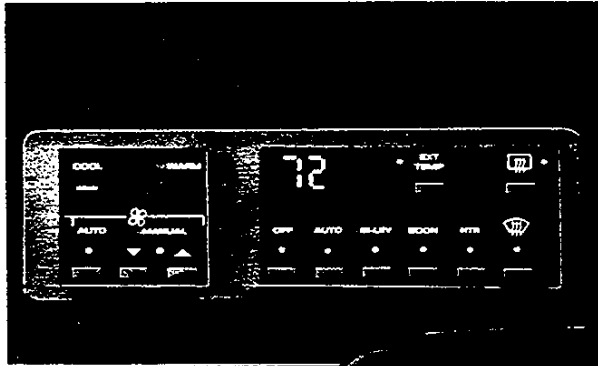
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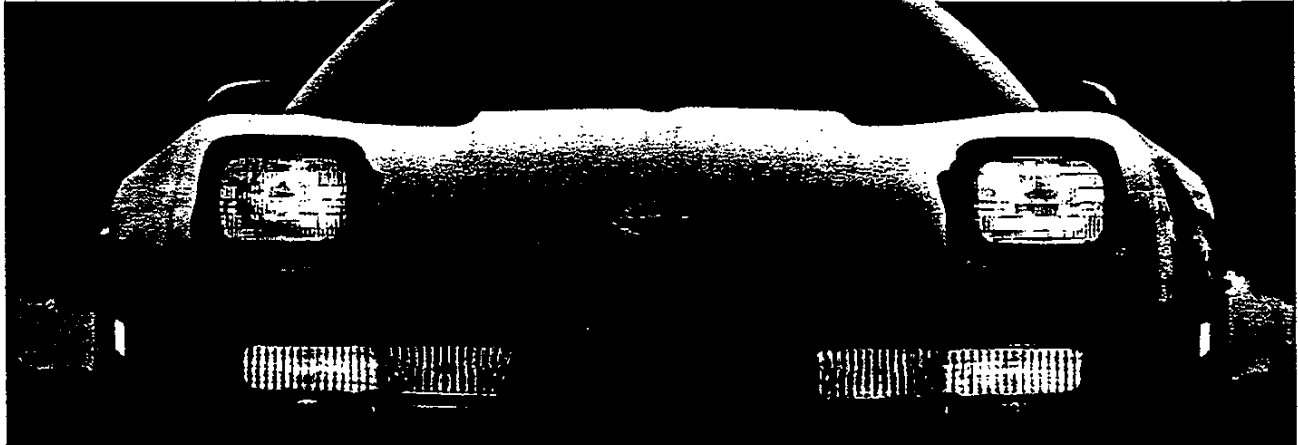
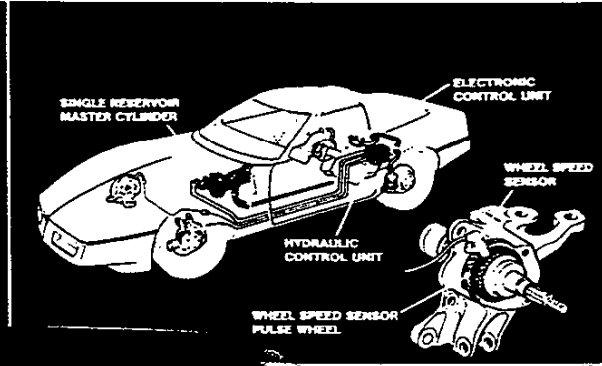


## PRODUCT FEATURES

Available electronic control air conditioning



New computer-controlled anti-lock brake system standard



Cast alloy wheels 16" x 8½" standard (blackout treatment new for '86)



New center high-mounted stop lamp

Refer to Dealer Order Guide for option availability and application.



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## **POPULAR MODELS & COLORS**

### **1986 EXTERIOR COLORS**

- 13—Silver Metallic
- 18—Medium Gray Metallic
- ~~20—Medium Blue Metallic (New for '86)~~
- 40—White
- 41—Black
- 53—Gold Metallic
- 59—Silver Beige Metallic (New for '86)
- ~~60—Copper Metallic (New for '86)~~
- 69—Medium Brown Metallic (New for '86)
- 74—Dark Red Metallic (New for '86)
- 81—Bright Red

### **POPULAR SELLING EXTERIOR COLORS**

#### **(MODEL YEAR '85 THROUGH FEBRUARY)**

1. 81—Bright Red; 26.4%
2. 41—Black; 19.9%
3. 40—White; 10.6%
4. 13—Silver Metallic; 9.8%
5. 63—Light Bronze Metallic; 9.3%

### **MODEL MIX**

#### **(MODEL YEAR '85 THROUGH FEBRUARY)**

Hatchback Coupe (1YY07); 100%

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**Chevrolet**

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## ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description	Option Number	Description
AG9	SEAT, POWER: Six-Way	UL5	RADIO EQUIPMENT: Radio Delete
AU3	DOOR LOCK SYSTEM, POWER	UM6	RADIO EQUIPMENT: Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Digital Clock
B3W	PRELIMINARY PRICE INFORMATION	UU8	RADIO EQUIPMENT: Delco-GM/Bose Music System-Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Digital Clock
B4P	FAN, RADIATOR COOLING BOOST	V01	RADIATOR, HEAVY-DUTY
C2L	ROOF PACKAGE, DUAL REMOVABLE	Z51	PERFORMANCE HANDLING PACKAGE
C68	AIR CONDITIONING: Electronic Control	<del>Z6A</del>	<del>DEFOGGER SYSTEM: Rear Window and Outside Rearview Mirrors</del>
D60	NON-RECOMMENDED COLOR COMBINATION	✓ 11T	✓ CONVERTIBLE TOP: White
D84	PAINT, CUSTOM TWO-TONE	✓ 19T	✓ CONVERTIBLE TOP: Black
FG3	SHOCK ABSORBERS: Delco/Bilstein	✓ 67T	✓ CONVERTIBLE TOP: Saddle
G92	AXLE, REAR: Performance Ratio	24S	ROOF PANEL: Transparent Removable, Blue Tint
KC4	COOLER, ENGINE OIL	64S	ROOF PANEL: Transparent Removable, Bronze Tint
K34	SPEED CONTROL, ELECTRONIC: With Resume Speed		
L98	ENGINE: 5.7 Liter T.P.I. V8		
MM4	TRANSMISSION: 4-Speed Manual with Overdrive <i>24S B4P, KC4, Y01</i>		
MX0	TRANSMISSION WITH OVERDRIVE: Automatic		
NA5	EMISSION SYSTEM: Standard Emission Equipment		
NN5	EMISSION SYSTEM: California Emission Requirements		

*B4M - CUSTOM FEATURE Pkg*



# CORVETTE

## COLOR AND TRIM SELECTION

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations.

Interior Trim Color		Blue	Bronze	Graphite	Gray	Red	Saddle
MODEL	SEAT TYPE						
1YY07	Leather Bucket	ADD2	AE22	ABB2	AQQ2	ARR2	AUU2
	Leather Adjustable Sport Bucket	ADD8	AE28	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket	HDD2	HEE2	HBB2	HQQ2		HUU2

### CUSTOM TWO-TONE PAINT (DB4 Must be Specified in "Plus" (+) Option Section of Order Worksheet) (D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code 1	Color Code 2	Blue	Bronze	Graphite	Gray	Red	Saddle
Gray, Med (Met) & Black	18	41			R	R		
Silver (Met) & Med Gray (Met)	13	18			R	R	A	
Silver Beige (Met) & Med Brown (Met)	59	69		R				
White & Silver (Met)	40	13			A	R		

### SOLID PAINT APPLICATION

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

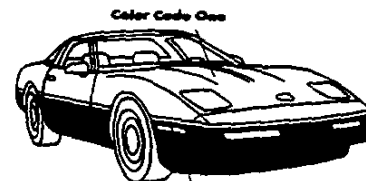
Exterior Paint Color	Color Code 1	Color Code 2	Blue	Bronze	Graphite	Gray	Red	Saddle
Black	41	41			R	R	R	R
Brown, Corvette Med (Met)	69	69		R				R
Gold, Corvette (Met)	53	53			A			R
Gray, Corvette Med (Met)	18	18			R	R	R	R
Red, Corvette Bright	81	81			R		R	R
Red, Corvette Dk (Met)	74	74			A			R
Silver, Corvette (Met)	13	13			R	R	R	R
Silver Beige, Corvette (Met)	59	59		R	A			R
White, Corvette	40	40	A	A	R	R	R	R
Yellow, Corvette	35	35			R			R

*Blue Med (Met) 40 40 R R*

### POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO	
	2.59	3.07
<b>WITH N45 STANDARD EMISSIONS</b>		
L98 MX0	*Std	G92
MM4	—	Std
<b>WITH N45 CALIFORNIA EMISSIONS</b>		
L98 MX0	*Std	G92
MM4	—	Std

\* With Z51 Performance Handling Package, Standard Axle is 3.07



DB4 CUSTOM TWO-TONE



# CORVETTE

REFER WEEKLY STOPS/LATEST UPDATE

MODEL  
1YY07 Corvette 2-Door Hatchback Coupe

ENGINE: MUST ORDER (See Power Teams)

STANDARD EMISSION EQUIPMENT—REQUIRES NA5 (Also Satisfies High Altitude Requirements)  
L98 5.7 Liter T.P.I. V8

CALIFORNIA EMISSION EQUIPMENT—REQUIRES NN5  
L98 5.7 Liter T.P.I. V8

EMISSION SYSTEMS: MUST ORDER ONE (See Above)

NA5 STANDARD EMISSION EQUIPMENT  
NN5 CALIFORNIA EMISSION REQUIREMENTS

## QUICK-SPEC

IF TRANSMISSION IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TRANSMISSION OPTION.	C V A
Defogger System	Z6A x
Door Lock System, Power	AU3 x
Radio, AM/FM Stereo w/Cassette Tape and Digital Clock (Delco/Bose Sound System)	UU8 x
Seat, Power	AG9 x
Speed Control with Resume Speed	K34 x
Transmission, Automatic w/Overdrive	MX0 x

## PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
—	C68 AIR CONDITIONING: Electronic Control
—	G92 AXLE, REAR: Performance Ratio (Refer Power Teams Chart)
—	KC4 COOLER, ENGINE OIL: (Incl w/Z51 Performance Handling Package)
(1)	Z6A DEFOGGER SYSTEM: Rear Window and Outside Rearview Mirrors
(1)	AU3 DOOR LOCK SYSTEM, POWER
—	B4P FAN, RADIATOR COOLING BOOST: (Incl w/Z51 Performance Handling Package)
—	D84 PAINT, CUSTOM TWO-TONE: (Refer Page 2 for Exterior Paint Availability)
—	Z51 PERFORMANCE HANDLING PACKAGE: (Incls Special Suspension, FG3 Shock Absorbers, KC4 Eng Oil Cooler, B4P Radiator Fan and V01 H.D. Radiator) (N/A G92 Axle)
—	B3W PRELIMINARY PRICE INFORMATION
—	V01 RADIATOR, HEAVY-DUTY: (Incl w/Z51 Performance Handling Package)
—	UM6 RADIO EQUIPMENT: —Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Digital Clock
(1)	UU8 —Delco-GM/Bose Music System-Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Digital Clock
—	UL5 —Radio Delete
—	24S ROOF PANELS: (Lift-Off) —Blue Tint, Transparent (Replaces Std Solid Panel)
—	64S —Bronze Tint, Transparent (Replaces Std Solid Panel)
—	C2L —Roof Package (Incls Std Solid Panel and Transparent Panel) (Reqs 24S or 64S Panel)
(1)	AG9 SEAT, POWER: Six-Way (Driver's side only)
—	FG3 SHOCK ABSORBERS: Delco/Bilstein (Incl w/Z51 Performance Handling Package)
(1)	K34 SPEED CONTROL, ELECTRONIC: With Resume Speed
—	TRANSMISSIONS: (See Power Teams Chart)
(1)	MM4 —4-Speed Manual with Overdrive
—	MX0 —Automatic Transmission with Overdrive

B4P - Custom Feature Pk  
Including: REM Defogger  
Heated outside mirrors  
Day Night Rear View Mirr.  
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# CORVETTE CONVERTIBLE

## COLOR AND TRIM SELECTION

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations shown below are the only combinations that are available. (D60 Non-Recommended Color Combination Not Permitted)

Interior Trim Color	Blue	Bronze	Graphite	Gray	Red	Saddle
MODEL SEAT TYPE						
1YY67 Leather Bucket	ADD2	AEE2	ABB2	AQQ2	ARR2	AUU2
Leather Adjustable Sport Bucket	ADD8	AEE8	ABB8	AQQ8	ARR8	AUU8
Cloth Bucket	HDDZ	HEEZ	HBBZ	HQQZ		HUUZ

### @CONVERTIBLE TOP SELECTOR

(D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code 1	Color Code 2	Blue	Bronze	Graphite	Gray	Red	Saddle
Black	41	41			11T/19T	11T/19T	19T	19T/67T
Brown, Corvette Med (Met)	69	69		67T				67T
Gold, Corvette (Met)	53	53			19T			19T/67T
Gray, Corvette Med (Met)	18	18			11T/19T	11T/19T	11T/19T	
Red, Corvette Bright	81	81			11T/19T		11T/19T/67T	67T
Red, Corvette Dk (Met)	74	74			11T/19T			67T
Silver, Corvette (Met)	13	13			11T/19T	11T/19T	11T/19T	
Silver Beige, Corvette (Met)	59	59			19T			
White, Corvette	40	40	11T	11T	11T/19T	11T/19T	11T	11T/67T
Yellow, Corvette	35	35			11T/19T			

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

BLACK CORVETTE MED (MET) 2A 2D 11T/19T 19T

### CONVERTIBLE TOP COLORS

WHITE ..... 11T      BLACK ..... 19T  
 SADDLE ..... 67T

### POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO	
	2.73	3.07
<b>WITH NA5 STANDARD EMISSIONS</b>		
L98 MX0	Std	G92
MM4	—	Std
<b>WITH NN5 CALIFORNIA EMISSIONS</b>		
L98 MX0	Std	G92
MM4	—	Std





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# CORVETTE CONVERTIBLE

REFER WEEKLY STOPS/LATEST UPDATE

**MODEL**  
1YY67 Corvette 2-Door Convertible

**ENGINE: MUST ORDER (See Power Teams)**

**STANDARD EMISSION EQUIPMENT—REQUIRES NA5 (Also Satisfies High Altitude Requirements)**  
L98 5.7 Liter T.P.I. V8

**CALIFORNIA EMISSION EQUIPMENT—REQUIRES NNS**  
L98 5.7 Liter T.P.I. V8

**EMISSION SYSTEMS: MUST ORDER ONE (See Above)**

NA5 STANDARD EMISSION EQUIPMENT  
NNS CALIFORNIA EMISSION REQUIREMENTS

## QUICK-SPEC

IF TRANSMISSION  
IN QUICK-SPEC IS NOT DESIRED  
YOU MUST "PLUS" ANOTHER  
TRANSMISSION OPTION.

Door Lock System, Power .....	AU3	x
Radio, AM/FM Stereo w/Cassette Tape and Digital Clock (Delco/Bose Sound System) .....	UU8	x
Seat, Power .....	AG9	x
Speed Control with Resume Speed ....	K34	x
Transmission, Automatic w/Overdrive .	MX0	x

## PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
—	G92 AXLE, REAR: Performance Ratio (Refer Power Teams Chart)
—	KC4 COOLER, ENGINE OIL
(1)	AU3 DOOR LOCK SYSTEM, POWER
—	B4P FAN, RADIATOR COOLING BOOST
—	B3W PRELIMINARY PRICE INFORMATION
—	V01 RADIATOR, HEAVY-DUTY
—	RADIO EQUIPMENT:
—	UM6 —Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Digital Clock
(1)	UU8 —Delco-GM/Bose Music System-Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Digital Clock
—	UL5 —Radio Delete
(1)	AG9 SEAT, POWER: Six-Way (Driver's side only)
(1)	K34 SPEED CONTROL, ELECTRONIC: With Resume Speed
—	TRANSMISSIONS: (See Power Teams Chart)
—	MM4 —4-Speed Manual with Overdrive
(1)	MX0 —Automatic Transmission with Overdrive

