

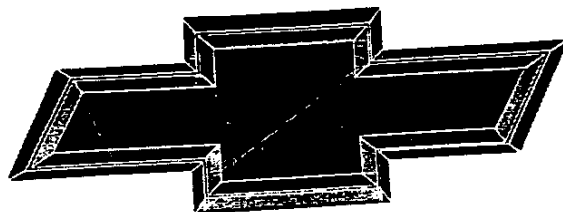
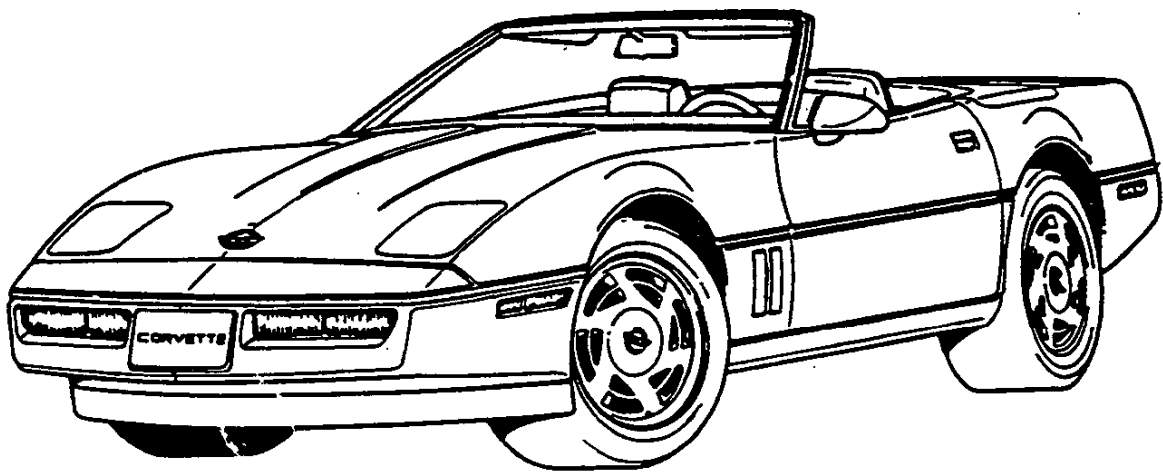




**1988**

**CORVETTE**

**SPECIFICATIONS**

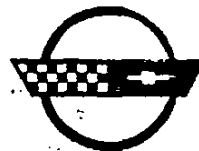


**GENUINE CHEVROLET™**



# 1988 CHEVROLET CORVETTE

## TECHNICAL DATA



### ENGINE

5.7 Liter (350 Cu. in.) V8 with Tuned-Port Fuel Injection  
 Block: Cast iron alloy  
 Pistons: Impacted cast aluminum  
 Camshaft: Steel  
 Valve Lifters: Roller-type  
 Bore: 4.00" Stroke: 3.48"  
 Horsepower: 245 net @ 4300 RPM\*  
 Torque: 340 lb.-ft @ 3200 RPM\*  
 Recommended Fuel: Unleaded premium  
 Fuel Anti-Knock Index  $\frac{(R+M)}{2}$  .93

Oil Filter System: Full flow  
 Crankcase Capacity (qt): 4 (less filter)  
 Air Cleaner Type: Replaceable paper element, outside-air pickup for cool, dense cylinder charge  
 Fuel Pump: Electric (in tank)  
 Fuel Tank Capacity (in gals.): 20

### TRANSMISSIONS

Standard 4-speed automatic with overdrive and high-stall torque converter.

### RATIOS:

1st: 3.06 to 1  
 2nd: 1.63 to 1  
 3rd: 1.00 to 1  
 4th: 0.70 to 1

No-cost-option 4-speed manual with computer-controlled overdrive in 2nd, 3rd and 4th gears.

### DIMENSIONS AND WEIGHTS

#### EXTERIOR

Width: 71.0"  
 Front Tread: 59.6"  
 Rear Tread: 60.4"  
 Wheelbase: 96.2"  
 Overall Length: 176.5"  
 Height: 46.7" (46.4" Conv.)  
 Minimum Ground Clearance: 4.7"

#### INTERIOR

Head Room: 36.4" (36.5" Conv.)  
 Leg Room: 42.6"  
 Shoulder Room: 54.1"  
 Hip Room: 49.3"  
 Volume: 7.9 cu. ft. (6.6 cu. ft. Conv.)  
 Curb Weight: 4-speed manual: 3,233 lbs. (3,294 lbs. Conv.) Automatic: 3,237 lbs. (3,298 lbs. Conv.)

### SUSPENSION—GENERAL

**SHOCK ABSORBERS** (front and rear)  
**TYPE:** Base—Direct, double-acting hydraulic with pliacell expansion bags; deflected-disc. (std. on Convertible)  
 Optional—Gas pressurized  
**MAKE:** Base—Delco  
 Optional—Delco/Bilstein

### SUSPENSION—FRONT

**TYPE AND DESCRIPTION**  
 Independent, forged aluminum upper and lower control arms and steering knuckle, transverse monoleaf spring and steel stabilizer, spindle offset  
**Spring Type and Material:** Monoleaf, filament-wound glass-epoxy composite.

### SUSPENSION—REAR

**TYPE AND DESCRIPTION**  
 Independent 5-link design with toe and camber adjusters, forged aluminum control arms, knuckles and struts; transverse monoleaf spring steel tie rods and stabilizer. Tubular U-jointed drive shafts.  
**Spring Type and Material:** Monoleaf, filament-wound glass-epoxy composite.

### BRAKES

**DESCRIPTION**  
 Aluminum caliper with nodular iron reaction bracket; pad reaction through bracket. Self-adjusting.

### TYPE

Front: Disc with sliding-head caliper, low drag.  
 Rear: Disc with sliding-head caliper, low drag.  
**Special Valving:** Proportioning—integral with master cylinder.  
**Power Brakes:** Standard.  
**Anti-Lock Braking System:** Electronic 4-wheel, 3-channel (standard).  
**Effective Area cm<sup>2</sup> (in<sup>2</sup>):** 174.0 (27.0) front; 117.0 (18.3) rear.  
**Gross Lining Area cm<sup>2</sup> (in<sup>2</sup>):** 174.0 (27.0) front; 117.9 (18.3) rear.  
**Swept Area cm<sup>2</sup> (in<sup>2</sup>):** 622 (96.5) front; 565 (87.5) rear.  
**Rotors, Outer Diameter:** 11.5"

### TIRES AND WHEELS—STANDARD

#### TIRES

**Size (load range, ply):** P255/50ZR-16 B/W.  
**Type:** High-speed steel-belted radial Eagle ZR50 unidirectional (Goodyear).  
**Inflation Pressure (cold) for Maximum Vehicle Load:** 35 front and rear (PSI).

#### WHEELS

**Type and Material:** Left-right aluminum alloy road wheels with specific vent design.

**Rim (size and flange type):** 16×8.5 front; 16×8.5 rear.

#### ATTACHMENT

**Type (bolt or stud):** Stud  
**Number and Size:** Five hex nuts, one anti-theft.

**Spare:** T155/80D-16, 16×4 steel wheel.

**Position:** Horizontal under fuel tank.

**TIRES AND WHEELS (optional Z51 and Z52 Handling Packages) Size (load range, ply):** P275/40ZR-17 B/W.

**Type:** High-speed steel-belted radial Eagle ZR40 unidirectional (Goodyear).  
**Wheel (type and material):** Left-right aluminum alloy road wheels with specific vent design.

**Rim (size and flange type):** 17×9.5 front; 17×9.5 rear.†

**Spare Tire and Wheel:** T155/70D-17 (aluminum 17×4 wheel with Power Seat Option RPO AG9).

### AXLE RATIOS

Automatic: 2.59:1 (std. Coupe, 2.73 std. Conv.); 3.07:1 (opt.) Manual: 3.07:1 (std.)

### FRAME

All-welded steel-body-frame construction, 100% galvanized.

### STEERING

**Power:** Standard.  
**Adjustable Steering Wheel:** (Standard)  
 Black-leather-wrapped two-spoke steering wheel; Tilt-Telescopic.  
**Turning Diameter:** 40.4 ft.  
**Steering Type:** Alloy rack-and-pinion.  
**Overall Ratio:** 15.6:1 base; 13.0:1 Z51 and Z52 Handling Packages.

### ELECTRICAL—SUPPLY SYSTEM

#### BATTERY

**Make:** Delco  
**Model:** 75-630  
**Voltage:** 12 volts  
**Amps at 0°F Cold Crank:** 630 cold-cranking amps (CCA)  
**Minutes, Reserve Capacity:** 90  
**Location:** Engine compartment directly behind left wheel opening.

#### ALTERNATOR

**Type and Rating:** 105 amps

### ELECTRICAL—STARTING SYSTEM

#### STARTER MOTOR

**Current Drain at 0°F:** 350 amps.

### ELECTRICAL—IGNITION SYSTEM

**Type:** High speed electronic

**Coil:** Integral with distributor

**Spark Plugs:** Standard

**Make:** AC

**Model:** FR53LS

**Gap:** .89mm (0.035 in.)

### BODY

#### STRUCTURE

Integral perimeter-frame birdcage forms unitized body structure.

#### 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.

#### MISCELLANEOUS INFORMATION

**Type of Finish:** High-solids acrylic enamel with final clear coat.

#### HOOD

**Hinge Location:** Front.  
**Hatch Type:** Hinged clamshell hood.  
**Hatchback Lid:** Dual gas struts, electric release (each door and console glove box).

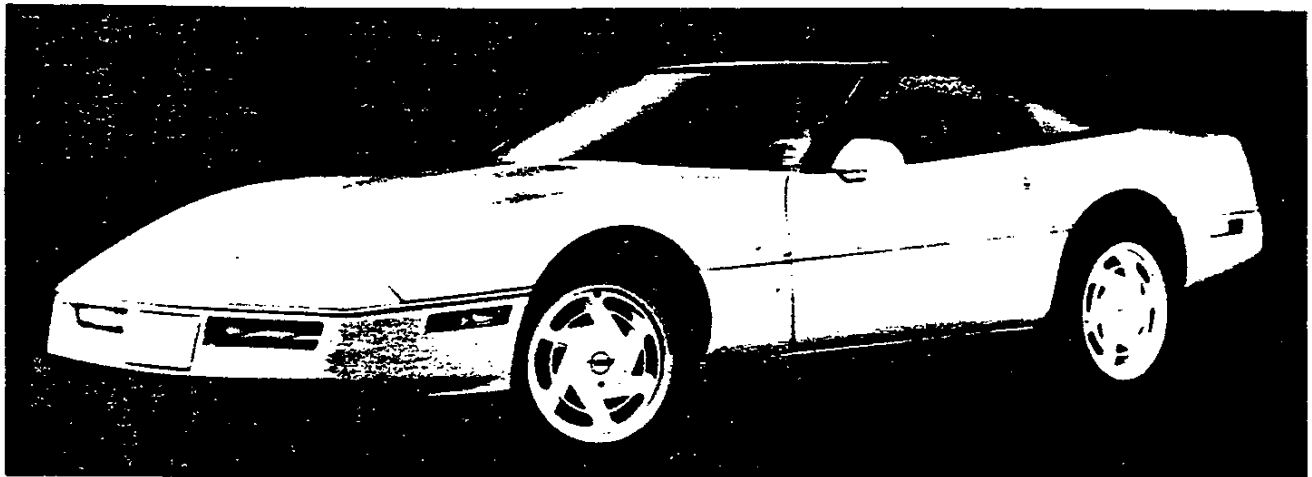
\*240 HP at 4000 RPM and 335 ft.-lb. torque at 3200 RPM on Coupe with Z52 axle and all Convertibles.

†Tire chains should not be used with 17x9.5 rear wheels because they may cause damage to this vehicle.

# in touch



A LIMITED EDITIONS MARKS 35TH ANNIVERSARY OF CORVETTE



Corvette -- America's only true sports car -- is 35 years old.

Chevrolet is marking the occasion with a limited-edition 35th Anniversary model as uniquely different as the 900,000 Corvettes that have preceded it.

The easily recognized black-over-white 35th Anniversary Corvette made its first public appearance at the New York Auto Show. It was at the GM Motorama in New York in 1953 that the Corvette debuted as a "dream car."

Just 2,000 35th Anniversary Edition Corvettes, with a build sequence number on the console and special badging, were produced in sequence at the Bowling Green, Kentucky, Assembly Plant for the 1988 model year.

"The 35th Anniversary Edition Corvette is really no different than the 'Vette that began appealing to American speed and style fantasies 35 years ago and even sports a look reminiscent of that first Corvette," says Chevrolet General Manager Robert D. Burger. "The 35th Anniversary Edition fulfills the same mission given the 300 Corvettes produced in 1953 -- to serve up a uniquely American sports car."

The 1988 35th Anniversary Edition Corvette -- officially the Z01 option -- sports a predominantly white exterior, revised Corvette emblems and badges signifying Corvettes's 35th anniversary decorate the hood above the front side (grill) panels. It also includes white leather seat trim, 6-way power seats, automatic air conditioning, illuminated driver's vanity mirror, Delco/Bose radio system, and sport handling package.

# The Corvette Black Book

1953-1993

October 1992

Published by

Michael Bruce Associates, Inc.

Michael Antonick, President

Post Office Box 396

Powell, Ohio 43065



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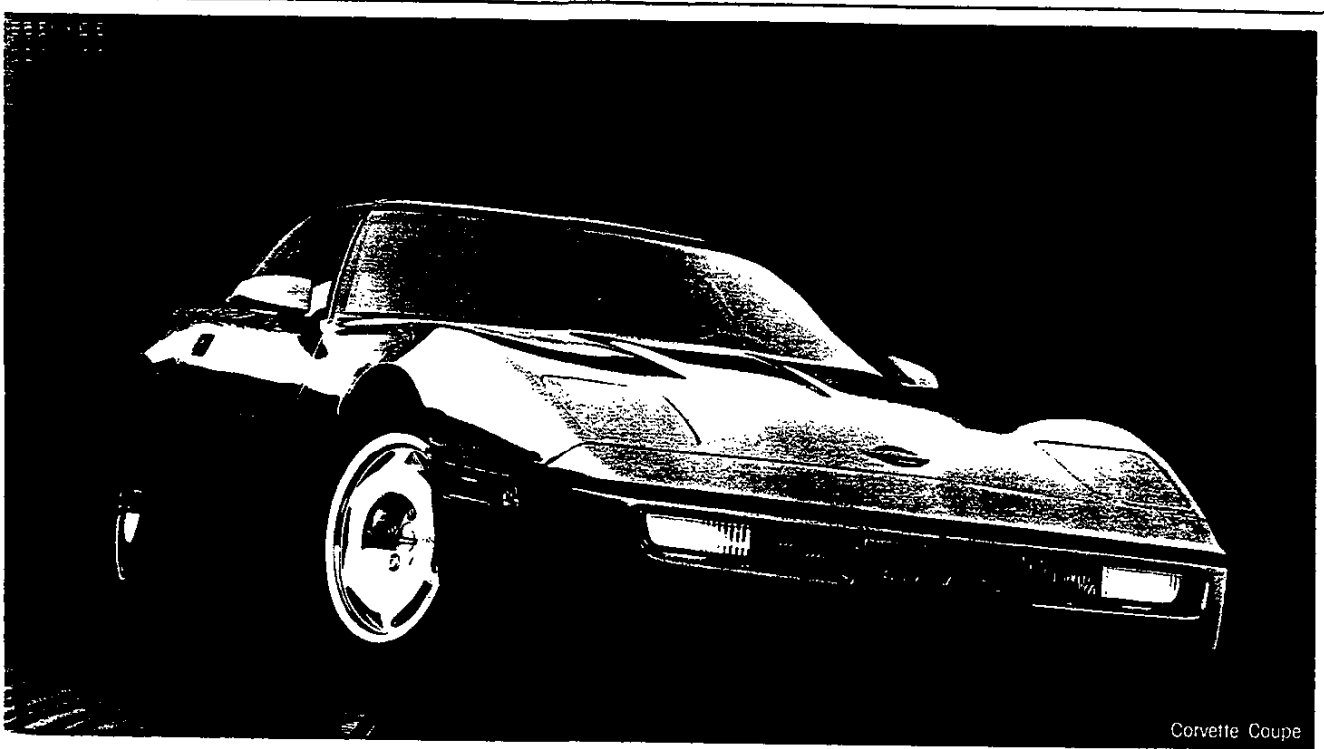


# ORDERING INFORMATION



## CORVETTE FOR 1988

CORVETTE	MODEL NUMBER	PASSENGER CAPACITY	
Coupe	1YY07	Coupe	2
Convertible	1YY67	Convertible	2



Corvette Coupe

### NEW FEATURES

- New two piston front brake calipers and thicker rotors.
- Suspension refinements include zero-scrub front suspension and reduced rear camber.
- New parking brake system with parking brake handle moved down and rearward, away from entry area.
- Body vent pressure relief system increases heating/ventilation/air conditioning flow through vehicle (Coupe only).
- Three new colors—Dark Blue Metallic, Charcoal Metallic and Gray Metallic.
- New heavy-duty brake system with RPO Z51.
- New standard 16" x 8" cast aluminum wheels with P255/50ZR-16 Eagle black-wall tires.
- New 17" x 9 1/2" cast aluminum wheels and P275/40ZR-17 Eagle tires optional (included with RPO Z51 and Z52).

### STANDARD FEATURES

- Uniframe-design body structure with corrosion-resistant coating.
- Clamshell-opening front end assembly for easy engine access.
- Bosch ABS II anti-lock braking system.
- Full-glass rear hatch with three remote releases and roller-shade cargo cover (Coupe).

- One-piece removable fiberglass roof panel. (Coupe)
- Full folding roof for Convertible.
- Independent front and rear suspension with fiberglass transverse leaf springs and forged aluminum A-arms.
- Ultracontemporary instrument panel features electronic liquid-crystal instrumentation with multi-colored analog and digital display in either English or metric readout.
- Electronically tuned, Seek and Scan AM/FM stereo with cassette, 4-speaker system and digital clock.\*
- Side-window defoggers, halogen fog lamps and rear side lamps.
- Power-adjusted outside rearview mirrors.
- Automatic power-operated radio antenna.
- Power door locks.
- Electronic speed control with resume speed.
- Cloth seats with lateral support and back-angle adjustments plus 100-lb comfort liner.
- Power rack-and-pinion steering and power four-wheel disc brakes.
- Air conditioning and power windows.
- Pass Key anti-theft system with starter-interrupt feature.
- Center high-mounted stop lamp located in rear bumper fascia above license plate pocket on Convertible, roof mounted on Coupe.

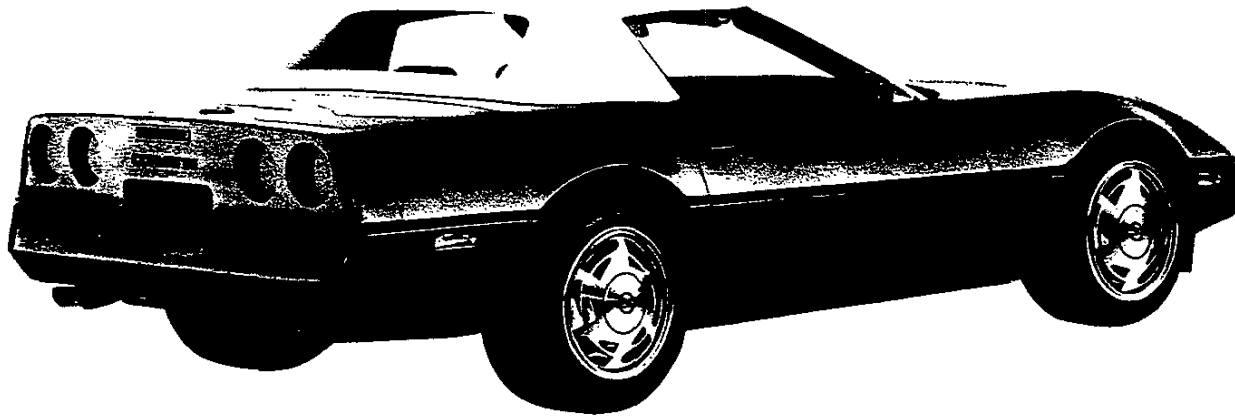
- Power-operated, retractable halogen headlamps.
- Full instrumentation.
- Computer Command Control
- Aluminum intake manifold with tuned runners.
- 5.7 Liter V8 engine with aluminum heads, Tuned Port Injection (TPI) and roller valve lifters.
- Magnesium valve rocker covers.
- Outside-air induction system.
- Electric in-tank twin turbine fuel pump.
- 20-gallon fuel tank.
- High Energy Ignition system.
- Delcoiron generator with built-in solid-state regulator.
- Underhood lamps.
- Headlamp-on reminder.
- Leather-wrapped steering wheel.
- Tilt-Telescopic steering wheel and column.
- Console 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 with map and ashtray light.
- Acoustical insulation package.

\*May be deleted for credit or upgraded to optional radio.

Refer to Dealer Order Guide for option availability and application.



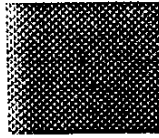
## CONVERTIBLE TOP COLORS



11T-White



19T-Black



67T-Saddle

## SPECIAL HANDLING PACKAGES

### PERFORMANCE HANDLING PACKAGE (RPO Z51)

Available for Coupe only. Consists of:  
Radiator boost cooling fan.  
Suspension system with heavy-duty front and rear springs and stabilizer bars.  
Delco/Bilstein gas-charged shock absorbers.  
Fast-ratio steering gear (13:1 ratio).  
Rear axle with 3.07:1 ratio.  
Ring gear (8:1).  
Engine oil cooler.  
Power steering cooler.  
Heavy-duty radiator.  
17" x 9½" cast aluminum wheels with P275/40ZR-17 Eagle tires.  
Handling package.  
Heavy-duty brakes.  
Convertible-type structure ahead of dash.

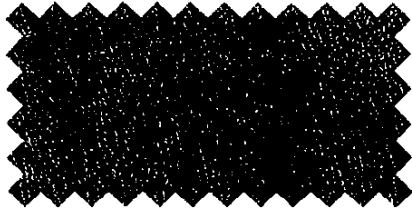
### SPORT HANDLING PACKAGE (RPO Z52)

Available for Coupe or Convertible. Consists of:  
Delco/Bilstein gas-charged shock absorbers.  
Fast-ratio steering gear (13:1 ratio).  
17" x 9½" cast aluminum wheels with P275/40ZR-17 Eagle tires.  
Engine oil cooler.  
Heavy-duty radiator.  
Radiator boost cooling fan.  
Handling package.

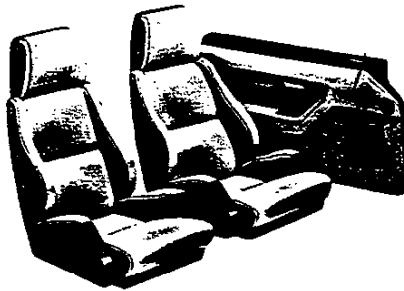
Refer to Dealer Order Guide for option availability and application.

## INTERIORS

### CORVETTE LEATHER ADJUSTABLE SPORT BUCKET SEATS



Optional leather Sport buckets available in Blue, Black, Gray, Red or Saddle.

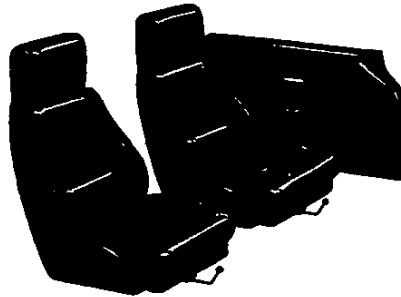


Optional adjustable Sport buckets with integral head restraints and wool-pad comfort liner available in leather only. Both driver and passenger seats feature full power adjustment for lumbar, backrest and backrest bolster adjustments to provide a high degree of versatility for practically every human form (requires RPO AC3 and AC1, power six-way driver and passenger seat adjustment).

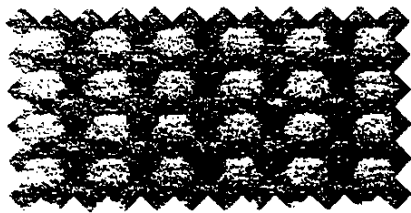
### CORVETTE STANDARD CLOTH & OPTIONAL LEATHER SEAT TRIM



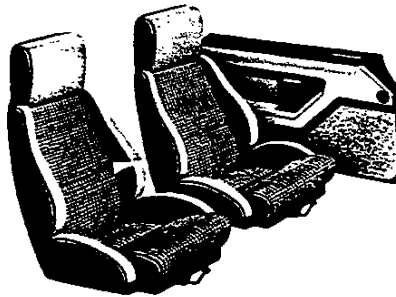
Optional leather seating surfaces available in Blue, Black, Gray, Red or Saddle.



Standard sport cloth reclining bucket seats with integral head restraints and wool-pad comfort liner. Cloth standard. Optional reclining bucket seats with leather seating surfaces, integral head restraints and wool-pad comfort liner.

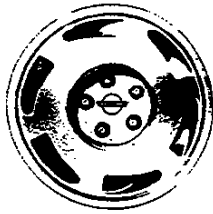


Standard sport cloth interior available in Black or Saddle.

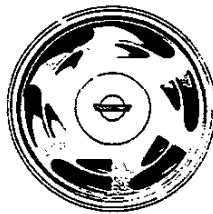


Refer to Dealer Order Guide for option availability and application.

## WHEEL TRIM



Standard Corvette 16" x 8½" aluminum wheels.



Optional 17" x 9½" aluminum wheels (RPO QA1). Included in RPO Z51 and RPO Z52 handling packages.

## RADIOS



Standard AM/FM stereo radio with Seek and Scan, cassette, power antenna and digital clock. (May be deleted for credit or upgraded to optional radio.)



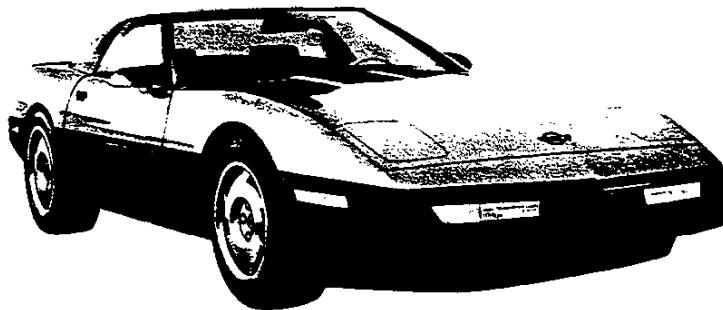
Optional Delco-Bose Music system, includes electronically tuned AM/FM stereo radio with Seek and Scan, cassette and digital clock (RPO UU8).

Appearance of radios may vary by car model.

## EXTERIOR DECOR

### **CUSTOM TWO-TONE (RPO D84)**

Custom Two-Tone exterior color combinations with accent color on body sides, separated by body side moldings (available for Coupe only).



All illustrations and specifications in this brochure 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, in colors, materials, specifications and models, and also to discontinue models. Chevrolet Motor Division, General Motors Corporation, Warren, Michigan 48090.



Refer to Dealer Order Guide for option availability and application.

# SECTION OA

## GENERAL INFORMATION

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Fluid Capacities .....	OA-1
Lubrication Points .....	OA-1
Vehicle Lifting Procedures .....	OA-1
Metric Information .....	OA-7
Common Abbreviations .....	OA-12
Service Parts Identification Label .....	OA-13

### 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.

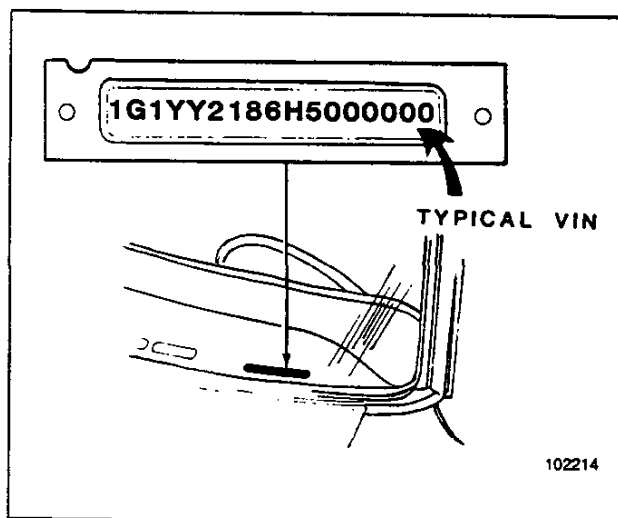


Figure OA-1 Vehicle Identification Number Location

OA-2 GENERAL INFORMATION

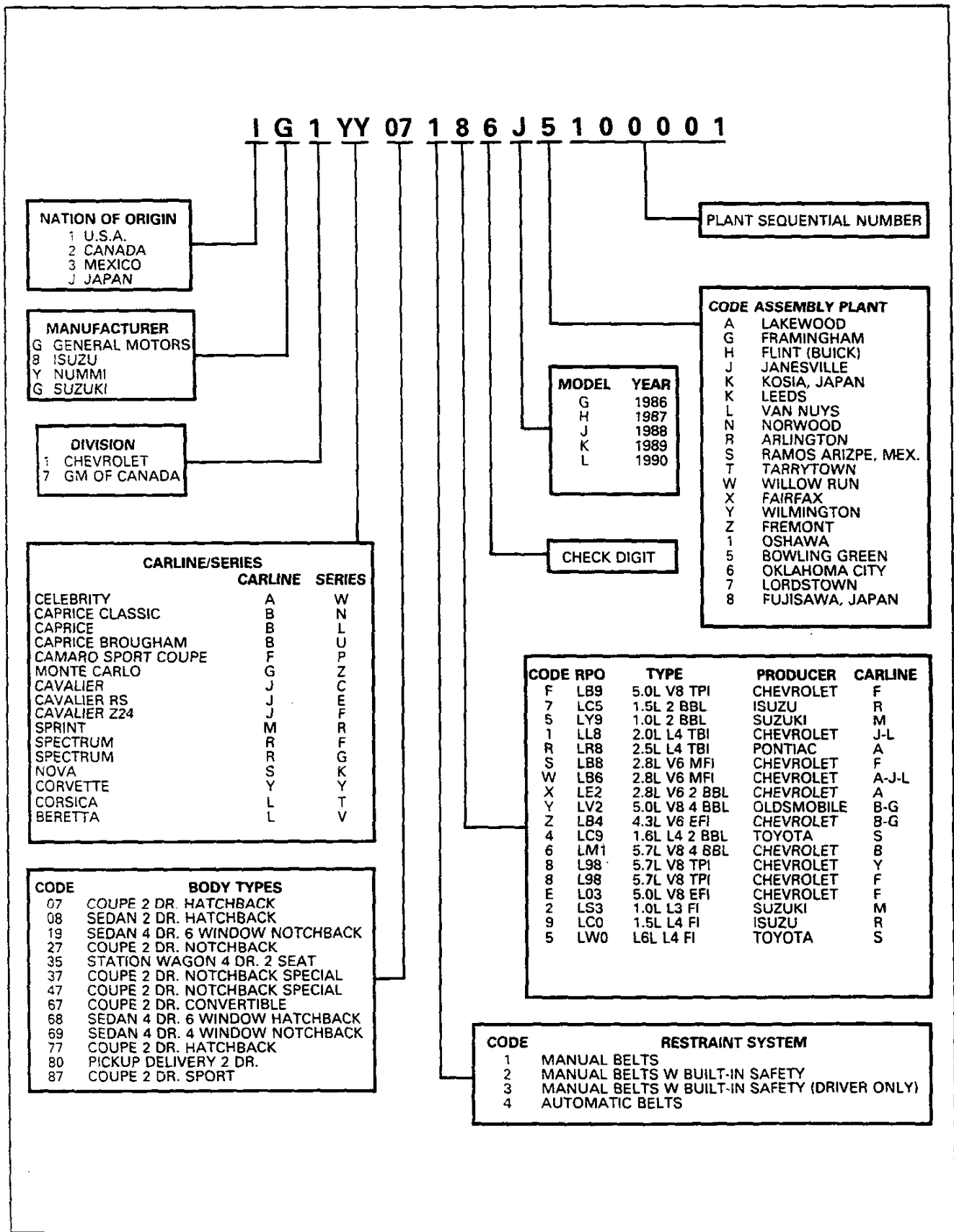


Figure OA-2 Vehicle Identification Number Codes

**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

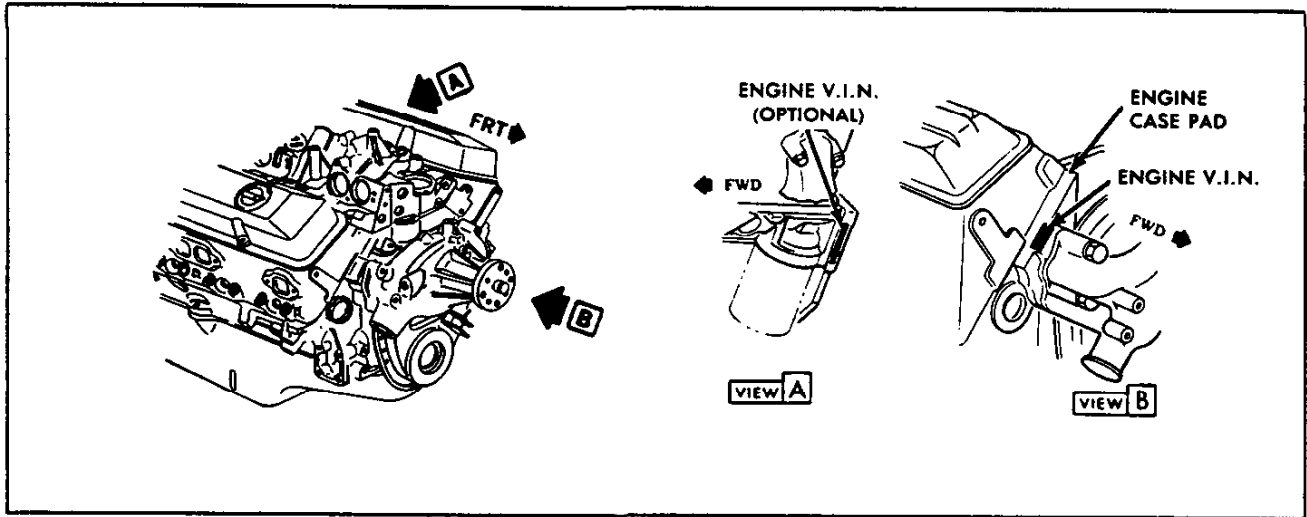


Figure OA-4 Engine V.I.N. Location

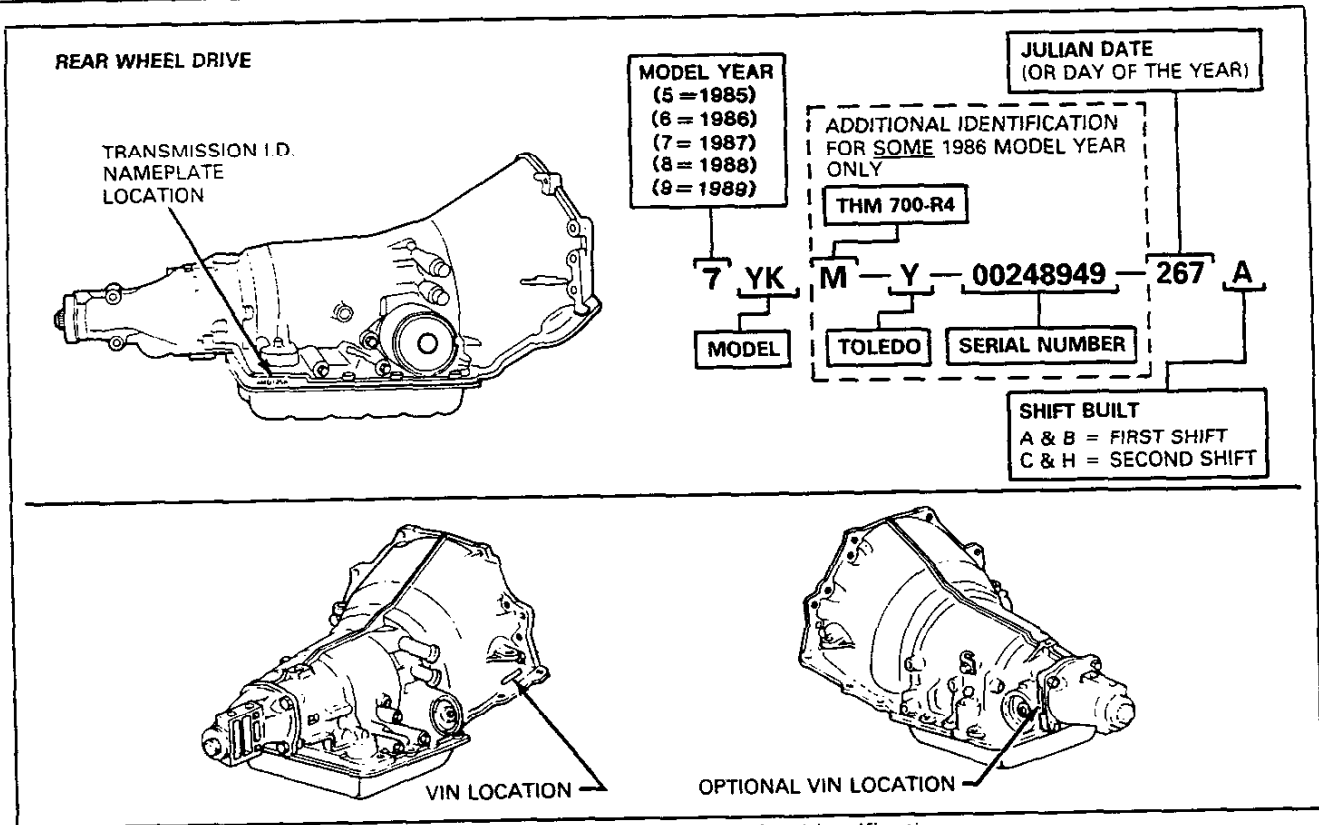


Figure OA-5 Automatic Transmission Identification

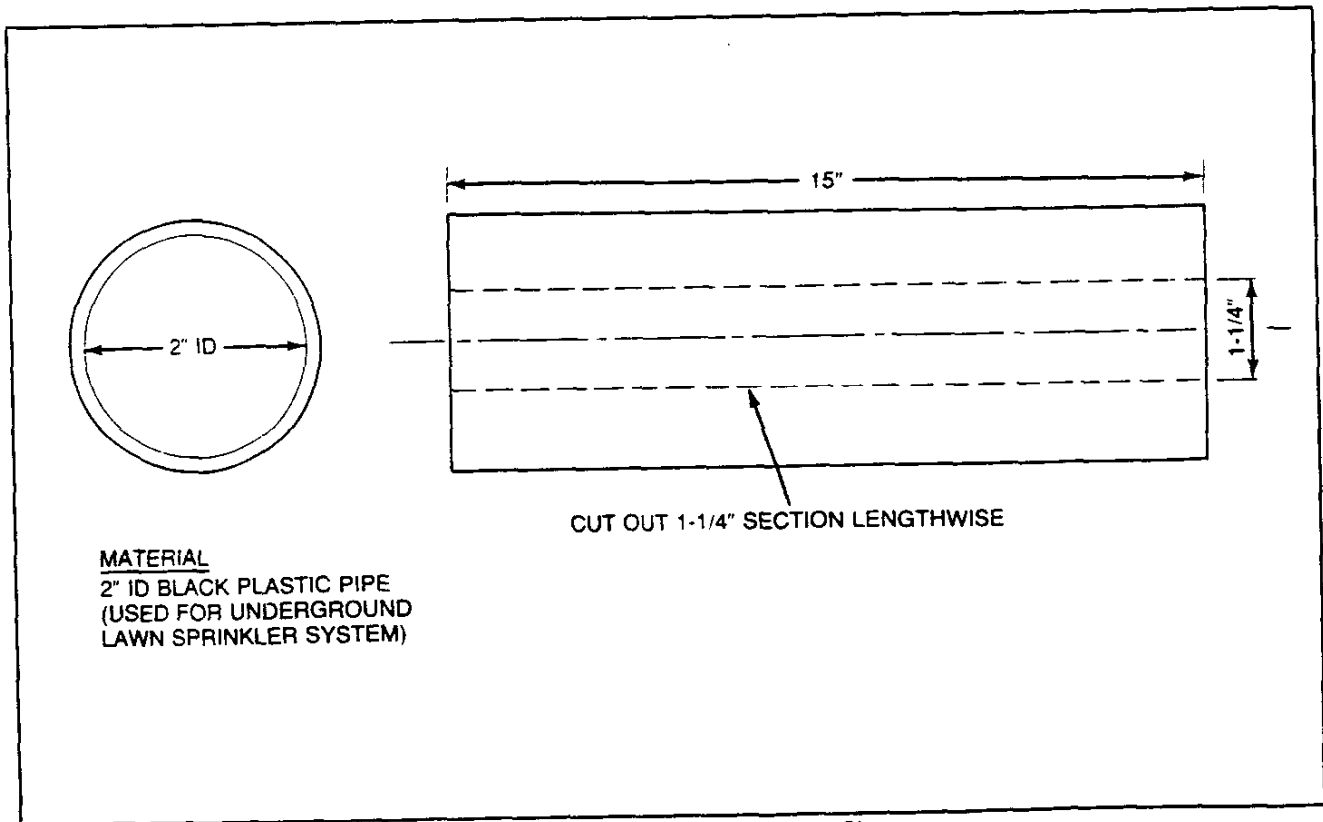


Figure OA-6 Support Rod Protector Sleeve

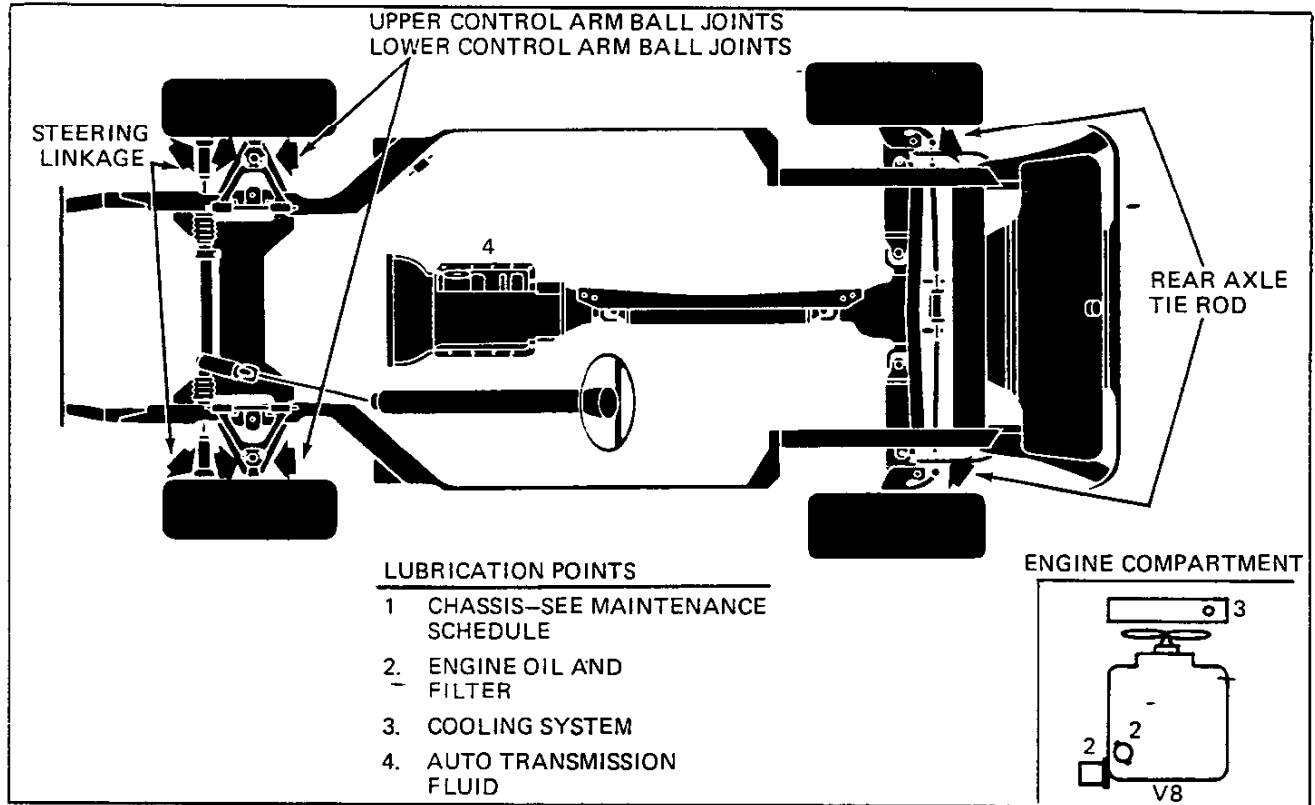


Figure OA-7 Lubrication Diagram

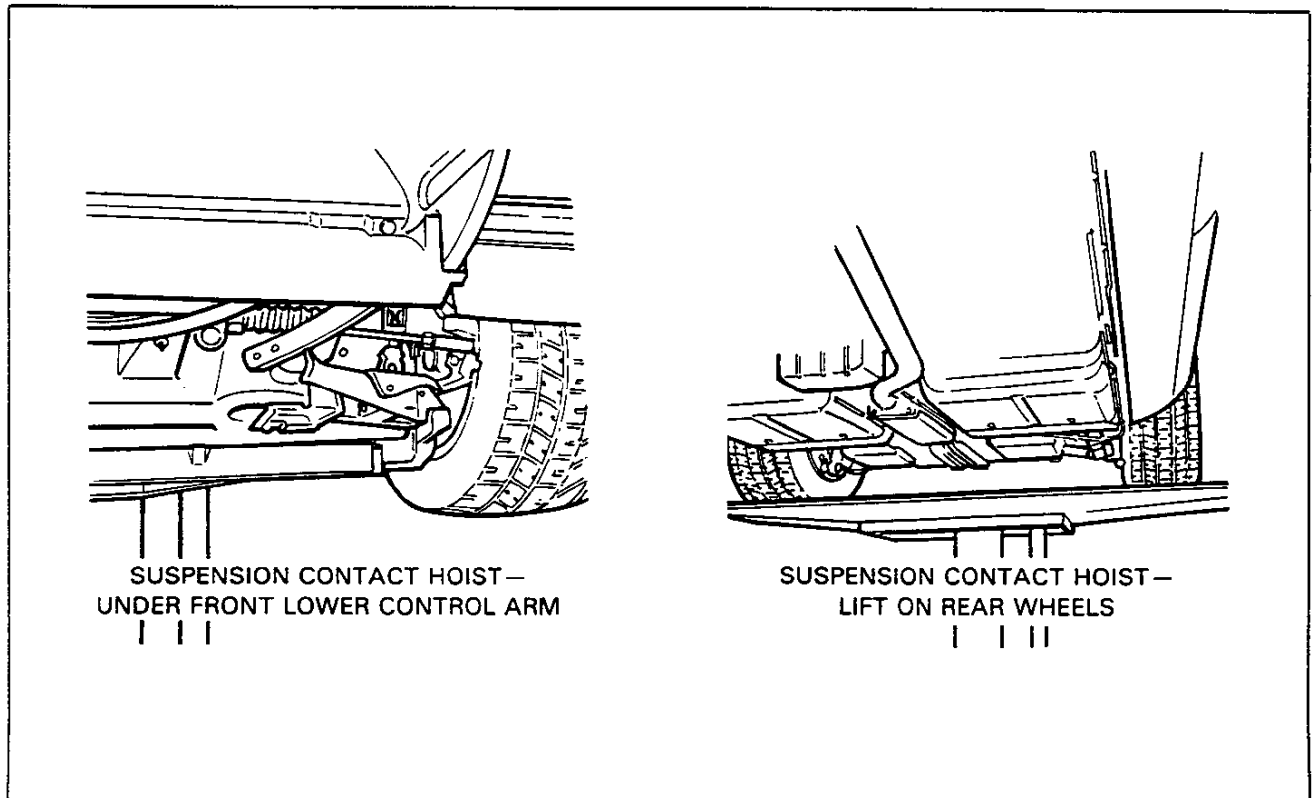
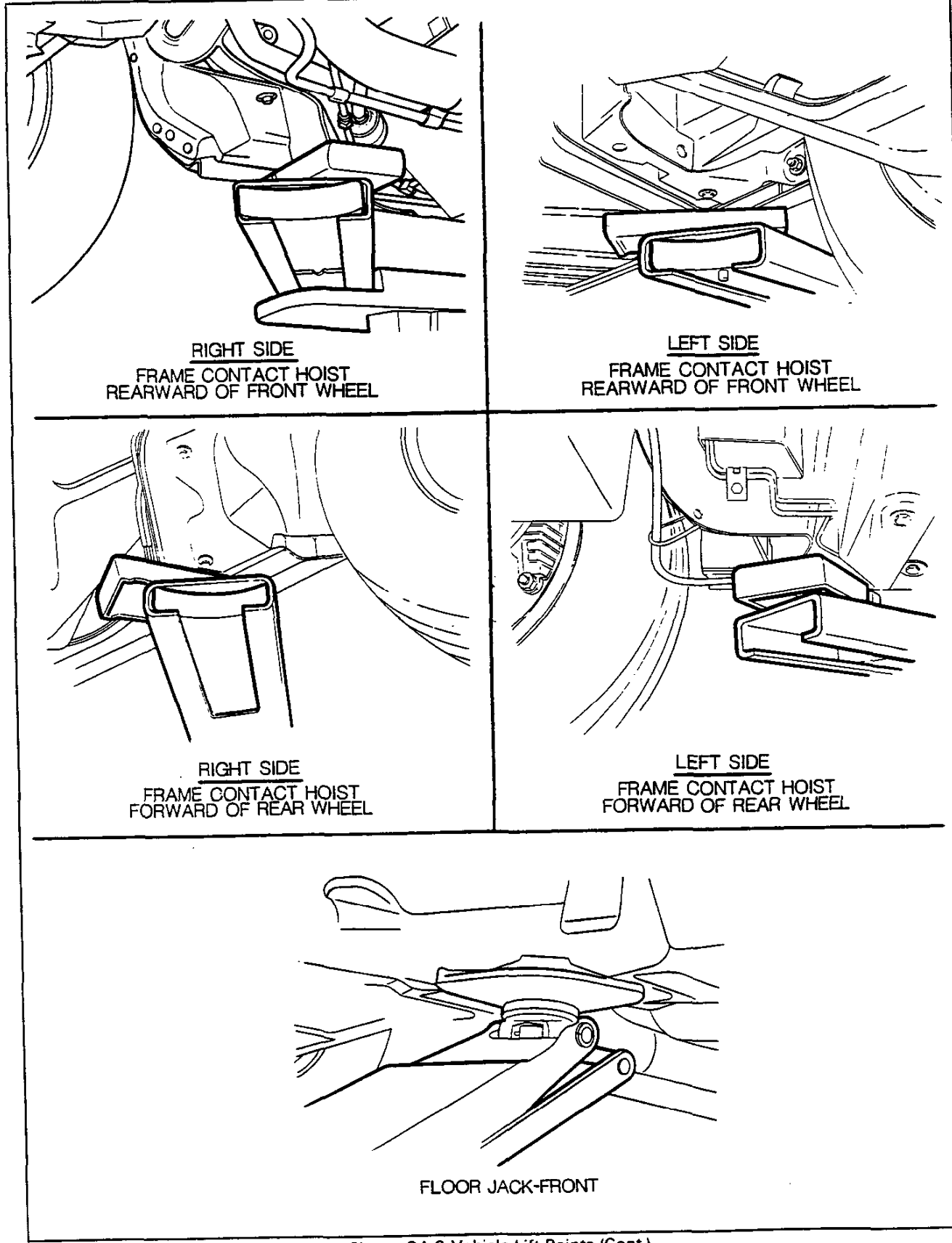


Figure OA-8 Vehicle Lift Points - Suspension Contact Hoist





RIGHT SIDE  
FRAME CONTACT HOIST  
REARWARD OF FRONT WHEEL

LEFT SIDE  
FRAME CONTACT HOIST  
REARWARD OF FRONT WHEEL

RIGHT SIDE  
FRAME CONTACT HOIST  
FORWARD OF REAR WHEEL

LEFT SIDE  
FRAME CONTACT HOIST  
FORWARD OF REAR WHEEL

FLOOR JACK-FRONT

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.






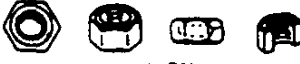



When obtaining metric or customary nuts, bolts, and screws locally for servicing the vehicle, care must be exercised in selecting parts that are equivalent to the original parts in dimensions, strength, and pitch of threads.

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.

PREVAILING TORQUE NUTS				PREVAILING TORQUE BOLTS			
 TOP LOCK MANY TYPES		 CENTER LOCK		 DRY ADHESIVE COATING		 OUT OF ROUND THREAD AREA	
 NYLON INSERT		 NYLON PATCH		 NYLON STRIP OR PATCH		 THREAD PROFILE DEFORMED	
 NYLON WASHER - INSERT							

### RECOMMENDATIONS FOR REUSE

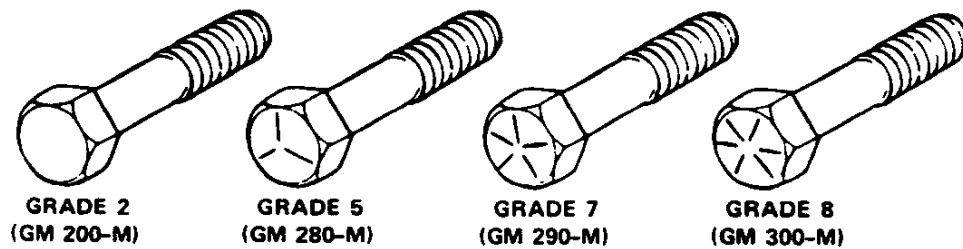
- A. CLEAN, UNRUSTED PREVAILING TORQUE BOLTS AND NUTS MAY BE REUSED AS FOLLOWS:
1. CLEAN DIRT AND OTHER FOREIGN MATERIAL OFF NUT AND BOLT.
  2. INSPECT BOLT AND NUT TO ASSURE THERE ARE NO CRACKS, ELONGATION OR OTHER SIGNS OF ABUSE OR OVERTIGHTENING. LIGHTLY LUBRICATE THREADS. (IF ANY DOUBT, REPLACE WITH 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

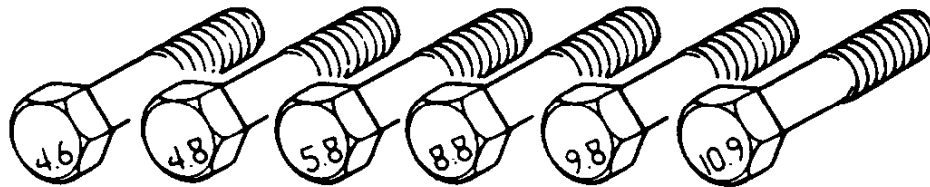
Figure OA-11 Metric Information, Chart B

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.

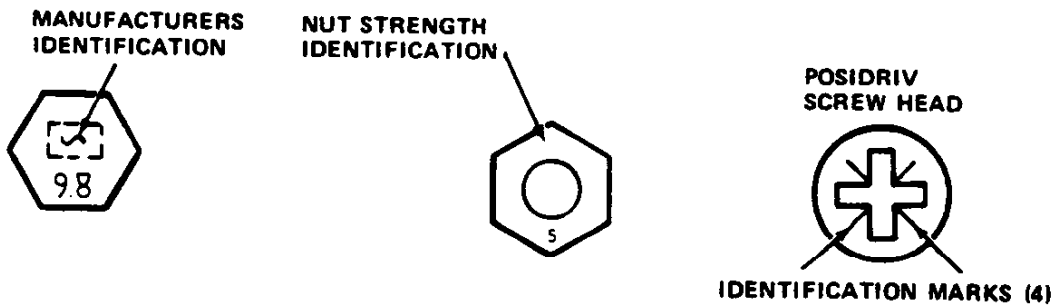


Figure OA-12 Metric Information, Chart C

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

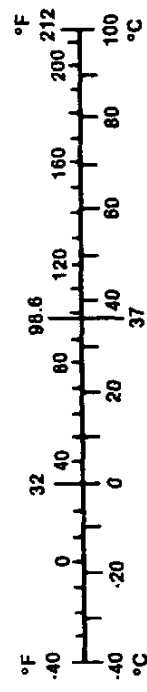


Figure OA-13 Metric Information, Chart D

## 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**

A-6 - Axial 6 Cyl. A/C Compressor  
 A/C - Air Conditioning  
 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  
 AMP - Ampere(s)  
 APT - Adjustable Part Throttle  
 APS - Absolute Pressure Sensor  
 AT - Automatic Transmission/Transaxle  
 ATC - Automatic Temperature Control  
 ATDC - After Top Dead Center

BARO - Barometric Absolute Pressure Sensor  
 Bat. - Battery  
 Bat. + - Positive Terminal  
 Bbl. - Barrel  
 BCM - Body Control Module  
 BHP - Brake Horsepower  
 BP - Back Pressure  
 BTDC - Before Top Dead Center

Cat. Conv. - Catalytic Converter  
 CC - 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  
 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  
 CO - Carbon Monoxide  
 Conv. - Converter  
 CP - Canister Purge  
 CTS - Coolant Temperature Sensor  
 Cu. In. - Cubic Inch  
 CV - Constant Velocity  
 Cyl. - Cylinder(s)

DBB - Dual Bed Bead  
 DBM - Dual Bed Monolith  
 Diff. - Differential  
 Distr. - Distributor

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

EFE - Early Fuel Evaporation  
 EFI - Electronic Fuel Injection  
 EGR/TVS - Exhaust Gas Recirculation/  
 Thermostatic Vacuum Switch

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

Fed. - Federal (All States Exc. Calif.)  
 FMVSS - Federal Motor Vehicle Safety Standards  
 Ft. Lb. - Foot Pounds (Torque)  
 FWD - Front Wheel Drive  
 - Four Wheel Drive  
 4 x 4 - Four Wheel Drive

HC - Hydrocarbons  
 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

IAC - Idle Air Control  
 IC - Integrated Circuit  
 ID - Identification  
 - Inside Diameter  
 IGN - Ignition  
 INJ. - Injection  
 ILC - Idle Load Compensator  
 I/P - Instrument Panel  
 ISC - Idle Speed Control

km - Kilometers  
 km/hr - Kilometers Per Hour  
 KV - Kilovolts (Thousands of Volts)  
 km/L - Kilometers/Liter (mpg)  
 kPa - Kilopascals

L - Liter  
 L-4 - Four Cylinder In-Line (Engine)  
 L-6 - Six Cylinder In-Line (Engine)  
 LF - Left Front  
 LR - Left Rear

MAF - Mass Air Flow  
 Man. Vac. - Manifold Vacuum  
 MAP - Manifold Absolute Pressure  
 MAT - Manifold Air Temperature Sensor  
 M/C - Mixture Control  
 MPG - Miles Per Gallon  
 MPFI - Multi-Port Fuel Injection  
 MPH - Miles Per Hour  
 MT - Manual Transmission  
 MV - Milli Volt

N-m - Newton Metres (Torque)  
 NO<sub>x</sub> - Nitrogen, Oxides of

OD - Outside Diameter

OHC - Overhead Cam  
 OL - Open Loop  
 OXY - Oxygen  
 O<sub>2</sub> - Oxygen (Sensor)

PAIR - Pulse Air Injection Reaction System  
 P/B - Power Brakes  
 PCV - Positive Crankcase Ventilation  
 PECV - Power Enrichment Control Valve  
 PFI - Port Fuel Injection  
 P/N - Park, Neutral  
 PROM - Programmable, Read Only Memory  
 P/S - Power Steering  
 PSI - Pounds Per Square Inch  
 Pt. - Pint  
 PTO - Power Takeoff

Qt. - Quart

R - Resistance  
 R-4 - Radial Four Cyl. A/C Compressor  
 Ref. - Reference  
 RF - Right Front  
 RPM - Revolutions Per Minute  
 RPO - Regular Production Option  
 RR - Right Rear  
 RTV - Room Temperature Vulcanizing (Sealer)  
 RVR - Response Vacuum Reducer  
 RWD - Rear Wheel Drive

SAE - Society of Automotive Engineers  
 SI - System International  
 Sol. - Solenoid  
 Syn. - Synchronizer

TAC - Thermostatic Air Cleaner  
 TACH - Tachometer  
 TBI - Throttle Body Injection  
 TCC - Transmission Converter Clutch  
 TCS - Transmission Controlled Spark  
 TDC - Top Dead Center  
 TPS - Throttle Position Sensor  
 TURB - Turbocharger  
 TV - Throttle Valve  
 TVBV - Turbocharger Vacuum Bleed Valve  
 TVRS - Television & Radio Suppression  
 TVS - Thermal Vacuum Switch

UJT - Universal Joint

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  
 VMV - Vacuum Modulator Valve  
 V-REF - ECM Reference Voltage  
 VSS - Vehicle Speed Sensor

W/ - With  
 W/B - Wheel Base  
 W/O - Without  
 WOT - Wide Open Throttle

X-Valve - Expansion Valve

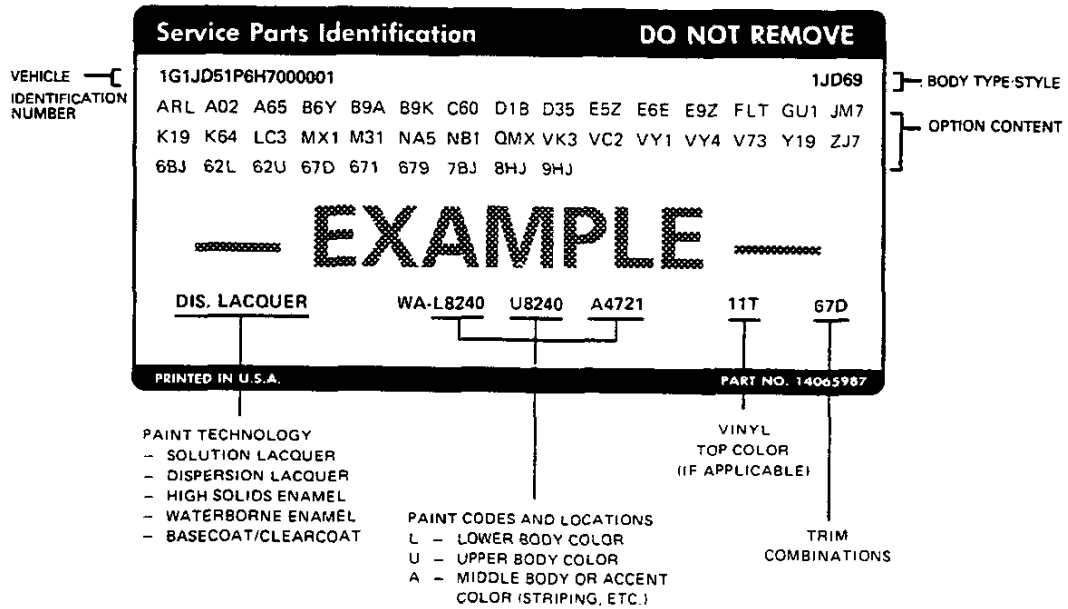
Figure OA-15 Common Abbreviations

## 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.



## LABEL LOCATION

CORVETTE

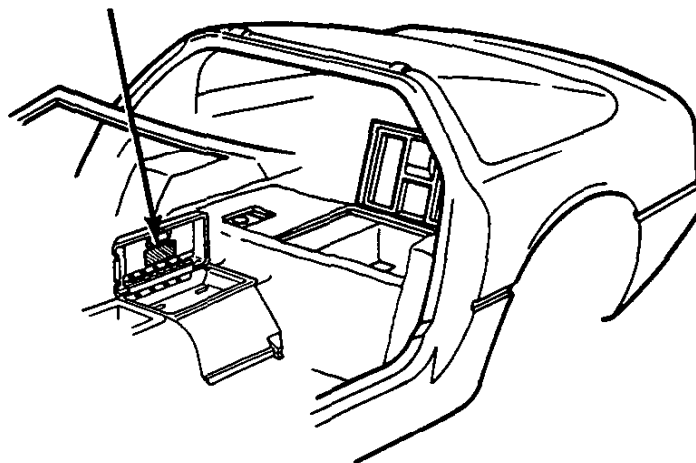


Figure OA-16 Service Parts Identification Label

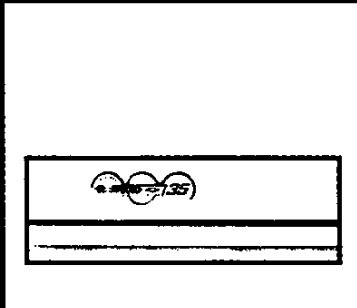
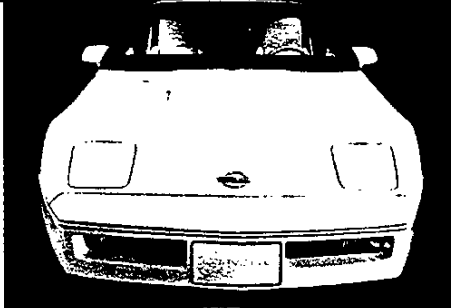
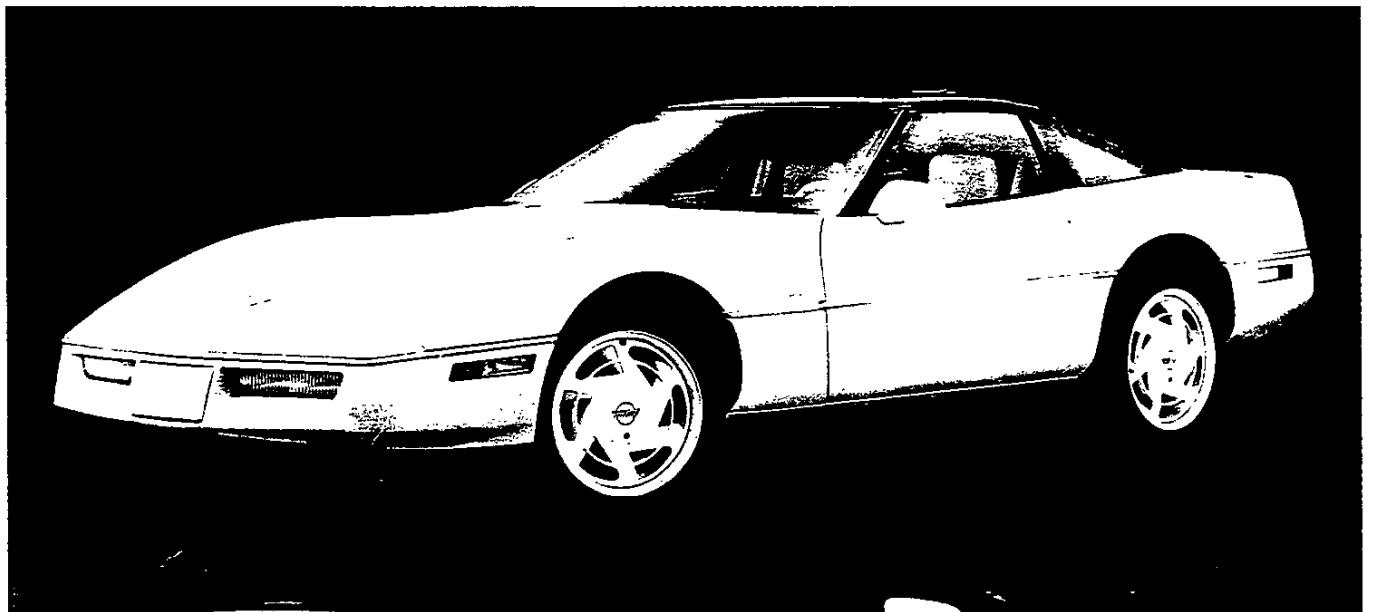




3 5 t h A N N I V E R S A R Y

# Limited Edition

CORVETTE



3 5 t h A N N I V E R S A R Y

# Limited Edition

CORVETTE

## 35th ANNIVERSARY PACKAGE CONTENT

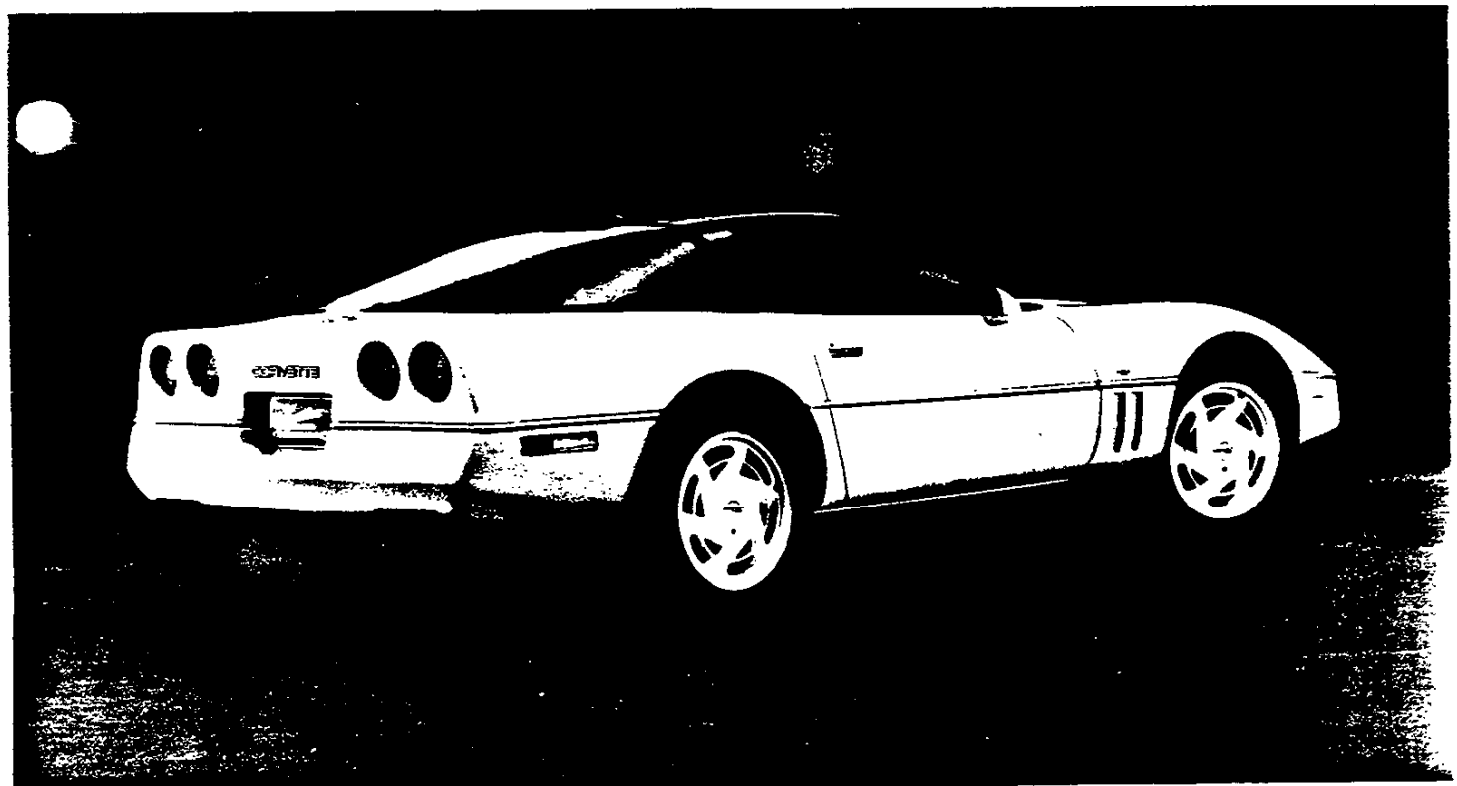
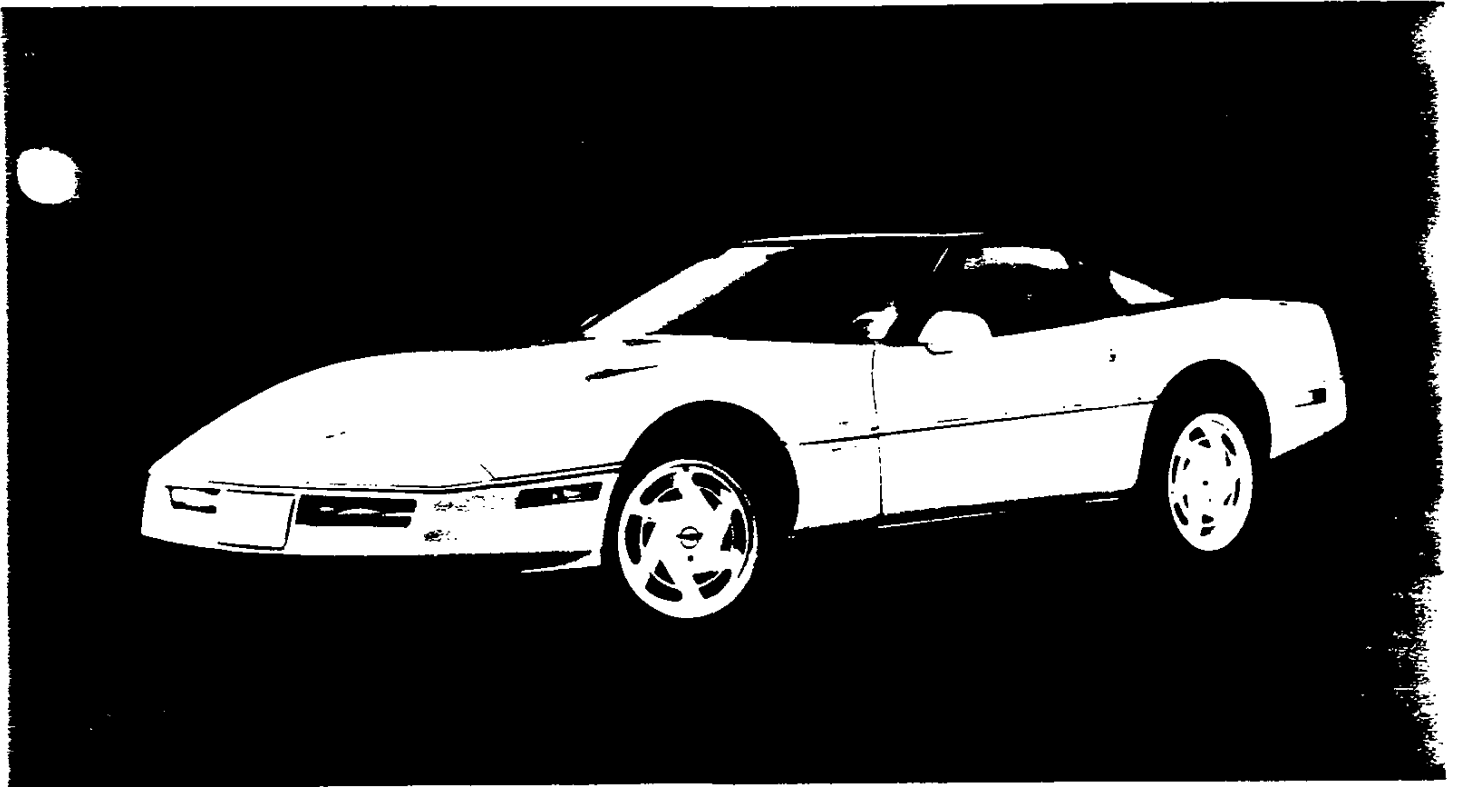
### Z01 35th Anniversary RPO consists of:

- D84** Custom 2-Tone Paint
- Production white exterior with a black roof bow
- B57** External Ornamentation — Deluxe
- White door handles
  - White "CORVETTE" emblem on rear fascia
  - White body side moldings
  - White painted wheels and center cap
  - Bright outline and white flag on wheel center cap logo
  - Bright outline and white flag on hood and fuel door logo
  - 35th anniversary badges on the LH and RH front fenders
- B18** Interior Ornamentation
- White leather seat trim
  - 35th anniversary badge embroidered on seat
  - White steering wheel leather, rim and center
  - Argent outline and white flag on steering wheel logo
  - White console lid
  - White door trim panel and armrests
  - White upper sill plates
  - White seat belts
- 35th anniversary badge with build sequence number on console
  - Specific 35th anniversary floor mats
- AQ9** Sport Seats
- AC1** 6-way Power Seat Adjust, LH and RH Seats (inc. AC3)
- C68** Air Conditioning, Automatic
- D74** Illuminated Driver's Vanity Mirror
- UU8** Bose Radio System
- Z52** Sport Handling Package
- Z6A** Heated Backlight and Mirrors
- 24S** Transparent Roof Panel

### Options Available with Z01:

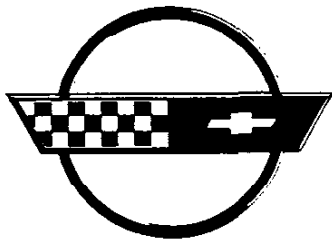
- MM4** Manual Transmission
- MX0** Automatic Transmission
- C2L** Dual Removable Tops (Black Top and 24S Transparent Top)

- The Z01 35th Anniversary RPO is available on coupes only.
- Limited production



CHEVROLET'S 35TH ANNIVERSARY CORVETTE. . . is as distinctive as the nearly 900,000 Corvettes produced since 1953. Just 2,000 35th Anniversary Corvettes (with a build sequence number and special badging) are being produced — each with a color scheme that sets it off from production 'Vettes. A custom two tone-paint scheme consists of a white body color, painted white wheels and a black roof bow with transparent black roof panels. Other external features include white door handles, a white "Corvette" emblem, white body side moldings and 35th Anniversary badges above the left and right gill panels. Inside, the white leather seat trim has 35th Anniversary badges embroidered on the seat back. The white scheme is carried out through the interior trim.





# CORVETTE

FOR RELEASE UPON RECEIPT \_\_\_\_\_

Ed Lechtzin  
(313) 492-8836

#10159

## CHEVROLET CORVETTE — 35TH ANNIVERSARY EDITION

WARREN, Mich. -- Corvette -- America's only true sports car -- first appeared in 1953. Chevrolet is marking the occasion with a limited-edition 35th Anniversary model as uniquely different as the 900,000 Corvettes that have preceded it.

The easily recognized black-over-white 35th Anniversary Corvette made its first public appearance at the New York Auto Show. It was at the GM Motorama in New York in 1953 that the Corvette debuted as a "dream car."

Just 2,000 35th Anniversary Edition Corvettes, with a build sequence number on the console and special badging, were produced in sequence at the Bowling Green, Kentucky, Assembly Plant for the 1988 model year.

"The 35th Anniversary Edition Corvette is really no different than the 'Vette that began appealing to American speed and style fantasies 35 years ago and even sports a look reminiscent of that first Corvette," says Chevrolet General Manager Robert D. Burger.

"The 35th Anniversary Edition fulfills the same mission given the 300 Corvettes produced in 1953 -- to serve up a uniquely American sports car," says Burger. "And, like all the Corvettes before it, it faithfully reflects the American way of driving."

-more-

#10159

The 1988 35th Anniversary Edition Corvette -- officially the Z01 option -- sports a predominantly white exterior, including wheels, body side moldings, door handles and revised Corvette emblem. Badges signifying Corvette's 35th anniversary decorate the hood above the front side (gill) panels.

The roof bow is black, as is the transparent top. The white theme continues inside with white leather seat trim and leather-wrapped steering wheel, console lid, door trim panel, armrests and seat belts. An embroidered 35th anniversary badge decorates the seat.

Other standard features of the 35th Anniversary Edition Corvette include-- 6-way power sport seats, automatic air conditioning, illuminated driver's vanity mirror, Delco/Bose radio system, sport handling package, and heated backlight and mirrors.

# # #

3/16/88

## ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description	Option Number	Description
AC1	SEAT, POWER: Six-Way, Passenger	NN5	EMISSION SYSTEM: California Emission Requirements
AC3	SEAT, POWER: Six-Way, Driver	UL5	RADIO EQUIPMENT: Radio Delete
B3W	PRELIMINARY PRICE INFORMATION	UU8	RADIO EQUIPMENT: Delco-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	Z52	SPORT HANDLING PACKAGE
DL8	MIRRORS: Twin Remote	Z6A	DEFOGGER SYSTEM: Rear Window and Outside Rearview Mirrors
D60	NON-RECOMMENDED COLOR COMBINATION	11T	CONVERTIBLE TOP: White
D74	MIRROR, VANITY: Illuminated, Driver	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
K05	HEATER, ENGINE BLOCK		
L98	ENGINE: 5.7 Liter T.P.I. V8		
MM4	TRANSMISSION: 4-Speed Manual with Overdrive		
MX0	TRANSMISSION WITH OVERDRIVE: Automatic		
NA5	EMISSION SYSTEM: Standard Emission Equipment		

B2K CALLOWAY

201 35<sup>TH</sup> ANNIVERSARY EDITION



**COLOR AND TRIM SELECTION**

Interior Trim Color		Blue	Black	Gray	Red	Saddle	
MODEL	SEAT TYPE						
1YY07	Leather Bucket .....	400.00	ADD2	ABB2	AQQ2	ARR2	AUU2
	*Leather Adjustable Sport Bucket .....	1025.00	ADD8	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket .....	N.C.		HBB2			HUU2

\*Reqs AC1 and AC3 Power Seats.

**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	Black	Gray	Red	Saddle
Black	41	41		●	●	●	●
Blue, Corvette Med (Met)	20	20	●	●			
Blue, Corvette Dk (Met)	28	28		●			●
Charcoal, Corvette (Met)	96	96			●		●
Gray, Corvette (Met)	90	90		●	●		
Red, Corvette Bright	81	81		●	●	●	●
Red, Corvette Dk (Met)	74	74		●			●
Silver, Corvette (Met)	13	13		●	●	●	
White, Corvette	40	40	●	●	●	●	●
Yellow, Corvette	35	35		●			●

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

ENGINE OPTION CONDITION	AXLE RATIO	
	2.59	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

\*Reqs Z52 Handling Package.

# CORVETTE

REFER WEEKLY STOPS/LATEST UPDATE

**MODEL:**

29955.00 1YY07 Corvette 2-Door Hatchback Coupe

**PERSONAL PREFERENCE CATEGORY:**

**ENGINE: (MUST ORDER)**

N.C. L98 5.7 Liter T.P.I. V8

**EMISSION: (MUST ORDER ONE)**

N.C. NA5 Standard Emission Equipment  
99.00 NN5 California Emission Requirements

**TRANSMISSION: (MUST ORDER ONE)**

N.C. MM4 4-Speed Manual w/Overdrive (Reqs B4P Radiator Fan, KC4 Eng Oil Cooler and V01 H.D. Radiator)  
N.C. MX0 Automatic w/Overdrive

**TIRES: (INFORMATION PURPOSES ONLY - NOT ORDERABLE)**

N.C. ---- P255/50 ZR-16 B/W Steel Belted Radial Ply (Base)  
---- P275/40 ZR-17 B/W Steel Belted Radial Ply (Incl w/Z51 and Z52 Handling Pkgs)

**WHEELS: (INFORMATION PURPOSES ONLY - NOT ORDERABLE)**

N.C. ---- 16 X 8 1/2" Aluminum Wheels (Base)  
---- 17 X 9 1/2" Aluminum Wheels (Incl w/Z51 and Z52 Handling Pkgs)

**CLIMATE CONTROL OPTIONS: (MAY CHOOSE BOTH)**

150.00 C68 Air Conditioning: Electronic Control (Incl w/Q-S CVA2)  
165.00 Z6A Defogger System: Rear Window and Outside Rearview Mirrors (Incl w/Q-S CVA1 and CVA2)

**QUICK-SPEC**  
Additions or Deletions Allowed

		C V A 1	C V A 2
Z6A	Defogger, System	x	x
B3W	Preliminary Price Information	x	x
UU8	Radio, AM/FM Stereo Delco/Bose	x	x
AC3	Seat, Power: Driver	x	x
C68	Air Conditioning, Electronic Control		x
AC1	Seat, Power: Passenger		x

**INDIVIDUAL OPTION LISTING**

Please Review Option Restrictions Before Ordering

- 22.00 G92 Axle, Rear: Performance Ratio (Reqs Z52 Handling Package) (Refer Power Teams Chart)
- 110.00 KC4 Cooler, Engine Oil (Incl w/Z51 and Z52 Handling Packages)
- 75.00 B4P Fan, Radiator Cooling Boost (Incl w/Z51 and Z52 Handling Packages)
- 20.00 K05 Heater, Engine Block
- 58.00 D74 Mirror, Vanity: Illuminated, Driver
- 1295.00 Z51 Performance Handling Package (Reqs MM4 Trans) (Incls Special Suspension, FG3 Shock Absorbers, KC4 Eng Oil Cooler, B4P Radiator Fan, V01 H.D. Radiator, 17 X 9 1/2" Aluminum Wheels and P275/40 ZR-17 B/W Tires) (N/A G92 Axle)
- N.C. B3W Preliminary Price Information (Incl w/Q-S CVA1 and CVA2)
- 970.00 Z52 Sport Handling Package (Incls FG3 Shock Absorbers, KC4 Eng Oil Cooler, B4P Radiator Fan, V01 H.D. Radiator, 17 x 9 1/2" Aluminum Wheels and P275/40 ZR-17 B/W Tires) (N/A Z51 Performance Handling Package)
- 40.00 V01 Radiator, Heavy-Duty: (Incl w/Z51 and Z52 Handling Packages)
- Radio Equipment:
- N.C. --- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock (Base)
- 773.00 UU8 Delco/Bose Music System-Electronically Tuned AM Stereo-FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape, and Digital Clock (Incl w/Q-S CVA1 and CVA2)
- 297.00 UL5 Radio Delete
- 615.00 24S Roof Panels, Lift-off, Blue Tint, Transparent (Replaces Std Solid Panel)
- 615.00 64S Roof Panels, Lift-off, Bronze Tint, Transparent (Replaces Std Solid Panel)
- 915.00 C2L Roof Package (Incls Std Solid Panel and Transparent Panel) (Reqs 24S or 64S Panel)
- 240.00 AC1 Seat, Power: Six-Way, Passenger (Reqs AC3 Power Seat) (Incl w/Q-S CVA2)
- 240.00 AC3 Seat, Power: Six-Way, Driver (Incl w/Q-S CVA1 and CVA2)
- 189.00 FG3 Shock Absorbers: Delco/Bilstein (Incl w/Z51 and Z52 Handling Packages)

# 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	Black	Gray	Red	Saddle	
MODEL	SEAT TYPE						
1YY67	Leather Bucket.....	400.00	ADD2	ABB2	AQQ2	ARR2	AUU2
	*Leather Adjustable Sport Bucket.....	1025.00	ADD8	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket.....	N.C.		HBB2			HUU2

\*Reqs AC1 and AC3 Power Seats.

## @CONVERTIBLE TOP SELECTOR

Exterior Paint Color	Color Code 1	Color Code 2	Blue	Black	Gray	Red	Saddle
Black	41	41	19T	11T/19T	11T/19T	19T	19T/67T
Blue, Corvette Med (Met)	20	20	11T/19T	11T/19T			
Blue, Corvette Dark (Met)	28	28	11T/19T	11T/19T			19T/67T
Charcoal, Corvette (Met)	96	96		11T/19T	11T/19T		19T/67T
Gray, Corvette (Met)	90	90		11T/19T	11T/19T		
Red, Corvette Bright	81	81		11T/19T		11T/19T	67T
Red, Corvette Dk (Met)	74	74		11T/19T		11T/19T	67T
Silver, Corvette (Met)	13	13		11T/19T	11T/19T	11T/19T	
White, Corvette	40	40	11T	11T/19T	11T/19T	11T	11T/67T
Yellow, Corvette	35	35		11T/19T			19T

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

### 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
WITH NA5 STANDARD EMISSIONS		
L98 MX0	Std	*G92
MM4	—	Std
WITH NN5 CALIFORNIA EMISSIONS		
L98 MX0	Std	*G92
MM4	—	Std

\*Reqs Z52 Handling Package.

**CORVETTE CONVERTIBLE**  
REFER WEEKLY STOPS/LATEST UPDATE

MODEL:  
35295.00 1YY67 Corvette 2-Door Convertible

**PERSONAL PREFERENCE CATEGORY:**

**ENGINE: (MUST ORDER)**

N.C. L98 5.7 Liter T.P.I. V8

**EMISSION: (MUST ORDER ONE)**

N.C. NA5 Standard Emission Equipment  
99.00 NN5 California Emission Requirements

**TRANSMISSION: (MUST ORDER ONE)**

N.C. MM4 4-Speed Manual w/Overdrive (Reqs B4P Radiator Fan, KC4 Eng Oil Cooler and V01 H.D. Radiator)  
N.C. MX0 Automatic w/Overdrive

**TIRES: (INFORMATION PURPOSES ONLY - NOT ORDERABLE)**

N.C. --- P255/50 ZR-16 B/W Steel Belted Radial Ply (Base)  
--- P275/40 ZR-17 B/W Steel Belted Radial Ply (Incl w/Z52 Handling Pkg)

**WHEELS: (INFORMATION PURPOSES ONLY - NOT ORDERABLE)**

N.C. --- 16 X 8 1/2" Aluminum Wheels (Base)  
--- 17 X 9 1/2" Aluminum Wheels (Incl w/Z52 Handling Pkg)

**CLIMATE CONTROL OPTIONS: (MAY CHOOSE)**

150.00 C68 Air Conditioning: Electronic Control (Incl w/Q-S CYA2)

**QUICK-SPEC**  
Additions or Deletions Allowed

		CYA1	CYA2
B3W	Preliminary Price Information	x	x
UU8	Radio, AM/FM Stereo Delco/Bose	x	x
AC3	Seat, Power: Driver	x	x
C68	Air Conditioning, Electronic Control		x
DL8	Mirrors, Twin Remote		x
AC1	Seat, Power: Passenger		x

**INDIVIDUAL OPTION LISTING**

Please Review Option Restrictions Before Ordering

- 22.00 G92 Axle, Rear: Performance Ratio (Reqs Z52 Handling Package) (Refer Power Teams Chart) (N/A UU8 Radio)
- 110.00 KC4 Cooler, Engine Oil (Incl w/Z52 Handling Package)
- 75.00 B4P Fan, Radiator Cooling Boost (Incl w/Z52 Handling Package)
- 20.00 K05 Heater, Engine Block
- 35.00 DL8 Mirrors: Twin Remote, Heated (Incl w/Q-S CYA2)
- 58.00 D74 Mirror: Vanity, Illuminated, Driver
- N.C. B3W Preliminary Price Information (Incl w/Q-S CYA1 and CYA2)
- 40.00 V01 Radiator, Heavy-Duty (Incl w/Z52 Handling Package)
- Radio Equipment:
- N.C. --- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock (Base)
- 773.00 UU8 Delco/Bose Music System-Electronically Tuned AM Stereo-FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape, and Digital Clock (Incl w/Q-S CYA1 and CYA2)
- 297.00 UL5 Radio Delete
- 240.00 AC1 Seat, Power: Six-Way, Passenger (Reqs AC3 Power Seat) (Incl w/Q-S CYA2)
- 240.00 AC3 Seat, Power: Six-Way, Driver (Incl w/Q-S CYA1 and CYA2)
- 189.00 FG3 Shock Absorbers: Delco/Bilstein (Incl w/Z52 Handling Package)
- 970.00 Z52 Sport Handling Package: (Incls FG3 Shock Absorbers, KC4 Eng Oil Cooler, B4P Radiator Fan, V01 H.D. Radiator, 17 X 9 1/2" Aluminum Wheels and P275/40 ZR-17 B/W Tires)

REVISED: 12-4-87

1988 DEALER ORDER GUIDE

CORVETTE  
Page 5

Prices Shown Are Manufacturer's Suggested Retail Prices (MSRP) At The Time Of Publication. These Prices Are To Be Used Only As An Aid To Inventory Management Since MSRP Figures Change Periodically. The Vehicle Price Schedule Is The Official Pricing Documentation Of Chevrolet Motor Division And Should Be Used In Discussing Vehicle Prices With Potential Buyers. The Model Prices Shown In The Dealer Order Guide Include The Destination Freight Charges.

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# COLOR & TRIM SELECTIONS

Model	Seat Type	Interior Colors				
		Blue	Black	Gray	Red	Saddle
Corvette Coupe & Corvette Convertible	Leather Bucket	ADD2	ABB2	AQQ2	ARR2	AUU2
	Leather Adjustable Sport Bucket*	ADD8	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket		HBB2			HUU2

\*Requires AC1 and AC3 Power Seats.

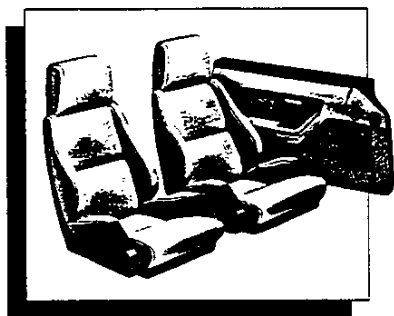
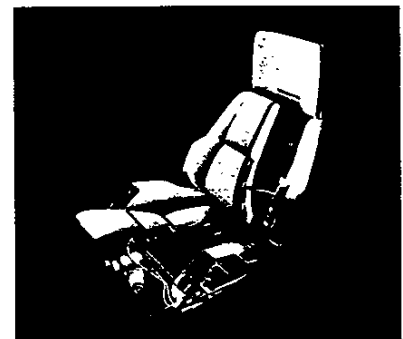
Exterior Paint Color	Color Code	Conv. Top Color	Conv. Top Color	Conv. Top Color	Conv. Top Color	Conv. Top Color
Black	41	X 19T	X 11T/19T	X 11T/19T	X 19T	X 19T/67T
Blue, Medium (Metallic)	20	X 11T/19T	X 11T/19T			
Blue, Dark (Metallic)	28	X 11T/19T	X 11T/19T			X 19T/67T
Charcoal (Metallic)	96		X 11T/19T	X 11T/19T		X 19T/67T
Gray (Metallic)	90		X 11T/19T	X 11T/19T		
Red, Bright	81		X 11T/19T		X 11T/19T	X 67T
Red, Dark (Metallic)	74		X 11T/19T		X 11T/19T	X 67T
Silver (Metallic)	13		X 11T/19T	X 11T/19T	X 11T/19T	
White	40	X 11T	X 11T/19T	X 11T/19T	X 11T	X 11T/67T
Yellow	35		X 11T/19T			X 19T

Conv. Top Colors 11T-White 19T-Black 67T-Saddle

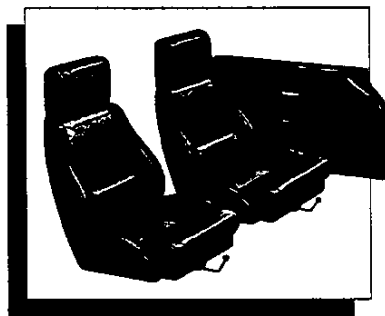
## SEAT & DOOR TRIM

### OPTIONAL ADJUSTABLE SPORT SEATS

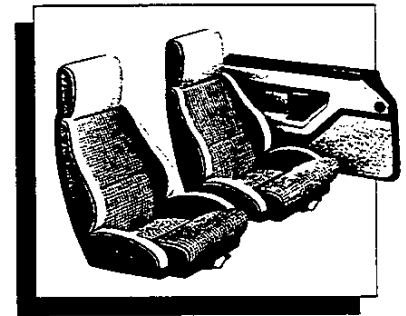
Both driver and passenger seats feature full power adjustment for lumbar, backrest and backrest bolster adjustments to provide a high degree of versatility for practically every human form. Three separate lumbar supports for the lumbar region are controlled by internal bladder-type cells, powered by 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 adjustments for both driver and passenger are available; fore and aft adjustment is 6.5 inches, with up and down travel of approximately 1.5 inches.



Optional leather adjustable sport seats with integral head restraints and wool-pad comfort liner.

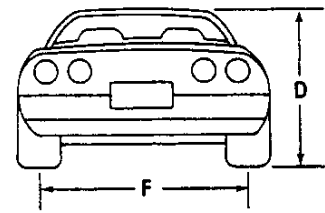
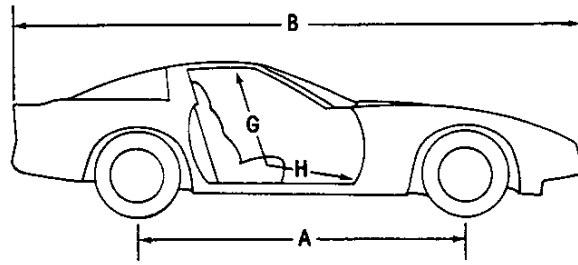
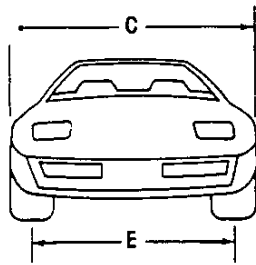


Optional leather reclining bucket seats with integral head restraints and wool-pad comfort liner.



Standard cloth reclining bucket seats with integral head restraints and wool-pad comfort liner.

# DIMENSIONS



<b>EXTERIOR DIMENSIONS (in.)</b>		<b>Coupe</b>	<b>Convertible</b>
<b>A</b>	Wheelbase	96.2	96.2
<b>B</b>	Length (overall)	176.5	176.5
<b>C</b>	Width (overall)	71.0	71.0
<b>D</b>	Height (overall)	46.7	46.4
<b>E</b>	Tread—front	59.6	59.6
<b>F</b>	Tread—rear	60.4	60.4
	Minimum ground clearance	4.7	4.7
<b>INTERIOR ROOMINESS (in.)</b>			
<b>G</b>	Head room—front	36.4	36.5
<b>H</b>	Leg room—front	42.6	42.6
	Shoulder room	54.1	54.1
	Hip room	49.3	49.3
<b>LUGGAGE/CARGO COMPARTMENT</b>			
	Cargo volume (cu. ft.)	17.9	6.6
<b>RATED FUEL TANK CAPACITY (gallons)</b>		20.0	20.0
<b>CURB WEIGHT (approx. pounds)</b>			
	With automatic transmission	3225	3239
	With manual transmission	3216	3279



Engine	Ordering Code	Engine Availability	Transmission Availability		Rear-Axle Ratios	
			4-Speed Manual w/Automatic Overdrive RPO MM4	4-Speed Automatic w/Overdrive RPO MX0	4-Speed Manual RPO MM4	Automatic w/Overdrive RPO MX0
ALL STATES						
5.7 Liter V8 with TPI*	RPO L98	STD	OPT	STD	3.07	2.59*

STD—Standard    OPT—Optional at no charge    \*Tuned-Port Fuel Injection.    \*3.07 with G92 performance ratio and Z51 Performance Handling Package.

## ENGINE SPECIFICATIONS

	5.7 Liter V8 with TPI
ENGINE TYPE	90° V8—OHV
DISPLACEMENT (CU. IN.)	350
BORE AND STROKE (IN.)	4.00 x 3.48
HP* @ RPM	See Note 1
TORQUE* @ RPM (LBS.-FT.)	See Note 2
COMPRESSION RATIO	9.5:1
FUEL INDUCTION	Tuned-Port Fuel Injection (TPI)
FUEL REQUIREMENT	91-Octane Rating Unleaded Gasoline*
CHOKE	None Required
VALVE LIFTERS	Roller Type 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	FR5LS
COOLING SYSTEM CAPACITY (QTS.)	14.7 Manual, 14.5 Automatic
CRANKCASE CAPACITY (QTS.)	5—Less Filter

Note 1: 240 HP @ 4000 RPM with single outlet mufflers (base Coupe with 2.59 axle and all convertibles).  
 245 HP @ 4300 RPM with dual outlet mufflers (all others).  
 Note 2: 335 Lbs. Ft. @ 3200 RPM with single outlet mufflers (base Coupe with 2.59 axle and all convertibles).  
 340 Lbs. Ft. @ 3200 RPM with dual outlet mufflers (all others).  
 OHV—Overhead Valve.    \*SAE net.    \*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.

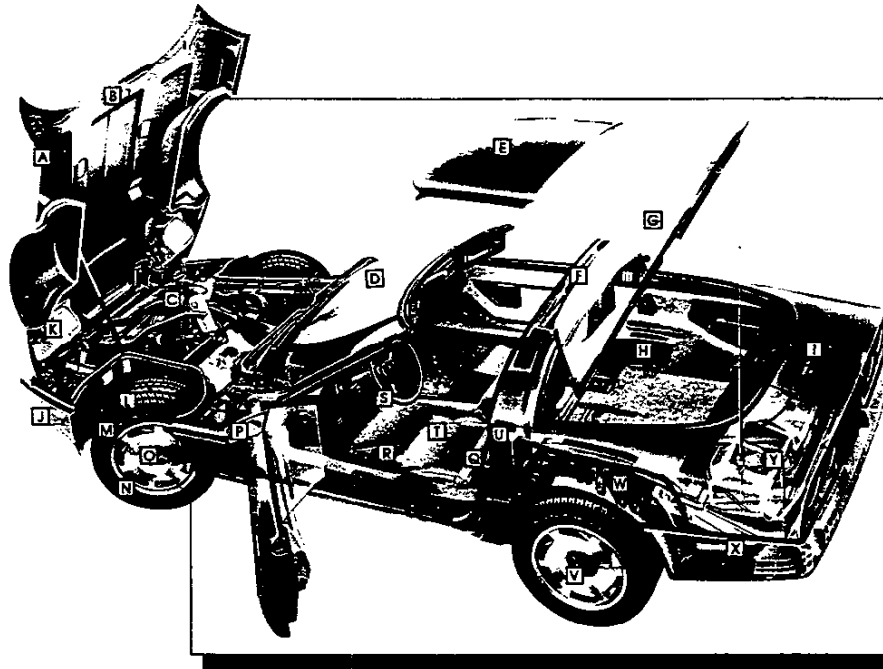
## SERVICE INTERVALS\*

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

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



# M ECHANICAL FEATURES

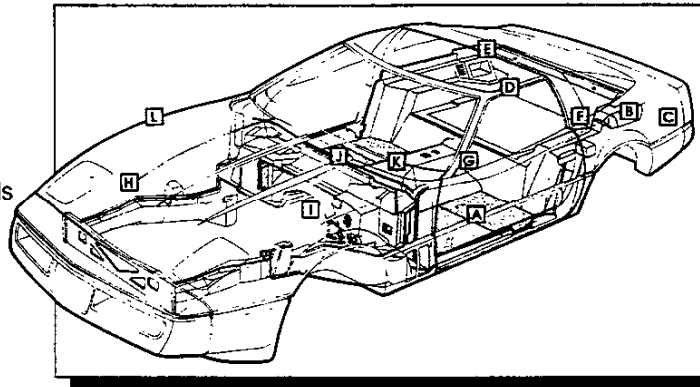


Twin underhood lamps  Clamshell hood opening for convenient engine access  Thermostatically controlled electric cooling fan  64° windshield angle  One-piece removable roof panel  Center high-mounted stop lamp  Full-opening glass hatch with concealed hinges  Roller-shade-type cargo cover and twin, covered stowage bins  Concealed gas filler with cap holder  Front cornering lamps  Retractable, aerodynamic halogen headlamps  Tires: P255/50ZR-16 Eagle blackwalls standard  Four-wheel anti-lock disc brakes with 11.5" rotors and finned aluminum calipers. Two-piston front calipers  Zero-scrub front suspension  Special wheel-bolt locks standard  Electrically operated outside mirrors

Rear hatch release at each door and in console  Parking brake system integral with rear discs, handle returns to down position when released  Tilt-Telescopic steering wheel  Contoured reclining seats with lateral support and wool-pad comfort liner  Body vent pressure system aids ventilation flow through cockpit  Cast alloy wheels 16" x 8½" standard; 17" x 9½" wheels with P275/40ZR-17 Eagle tires, included with Performance Handling Package (RPO Z51—shown) or Sport Handling Package (RPO Z52).  Five-link independent rear suspension with transverse component epoxy spring  Rear clear-lense illuminating side marker lamps  20-gallon fuel tank with positive displacement roller vane electric fuel pump.

# B ODY FEATURES

Sill area noise-control adhesive pads  Rear wheelhousing/sidewall pads  Sidewall and cargo area insulator pads  Cargo area insulator pads  Rear quarter pocket insulators  Noise-control blocks aid road noise control  Body floor insulator pads  Two side galvanized steel under frame  Transmission sound deadener  Cowl-area insulation  Under-dash insulator/absorber  High solids acrylic enamel base paint coat with clear finish coat.



POWER TEAMS • DIMENSIONS



# CORVETTE EQUIPMENT SUMMARY

POWER TEAMS/ CHASSIS/MECHANICAL	Corvette Coupe	Corvette Conv.
Computer Command Control	S	S
5.7 Liter (350 CID) V8 engine with Tuned Port Injection (TPI)	S	S
Styled engine compartment	S	S
Aluminum intake plenum, tuned crossover runner manifold	S	S
Stainless steel exhaust manifolds and free-flow mufflers	S	S
Roller hydraulic valve lifters and exhaust valve rotators	S	S
Aluminum cylinder heads	S	S
Magnesium engine valve covers	S	S
Poly-Vee single-belt engine accessory drive belt	S	S
Electric in-tank positive displacement roller vane fuel pump	S	S
Electric engine coolant fan	S	S
High Energy Ignition system	S	S
Delco Freedom Plus II battery with sealed side terminals	S	S
Automatic transmission with overdrive	S*	S*
Power rack-and-pinion steering	S	S
Power anti-lock disc brakes at all four wheels	S	S
Exclusive monoleaf glass-epoxy composite transverse front and rear springs	S	S
Forged aluminum front and rear suspension arms	S	S
Limited-slip differential	S	S
Sturdy uniframe body structure 100% galvanized and dip-painted	S	S
Full independent four-wheel suspension	S	S
P255/50ZR-16 steel-belted radial Eagle blackwall tires	S	S
Cast alloy 16" x 8 1/2" aluminum wheels, steel compact spare wheel	S	S
Center high-mounted stop lamp	S	S
Vehicle anti-theft system with encoded key	S	S
Side lift jack	S	S

EXTERIOR	Corvette Coupe	Corvette Conv.
Front fender louvers	S	S
Front cornering lamps	S	S
Clear lens rear illuminating marker lamps	S	S
Automatic power antenna	S	S
Power-operated quartz-halogen retractable headlamps	S	S
Dual quartz-halogen fog lamps in grille opening	S	S
Dual electric remote-controlled sport mirrors	S	S
Tinted and flush-mounted glass	S	S
Full-tilting clam-shell-type hood	S	S
Single removable roof panel	S	NA
Folding top with aluminum framework	NA	S
Designed-in body side molding	S	S
Frameless rear hatch glass with three remote releases	S	NA
Body-color front and rear soft facia	S	S
Energy-absorbing bumper systems	S	S
Corrosion-resistant fiberglass body panels	S	S
Concealed wipers with integral washers in wiper arms	S	S

INTERIOR	Corvette Coupe	Corvette Conv.
Contour-shell clam bucket seats with lateral support and back-angle adjustment	S	S
Soft-padded and carpeted door panels	S	S
Power windows	S	S
Power door locks	S	S
Side window defogger	S	S
ETR™ AM/FM stereo radio with Seek and Scan, four speakers, cassette and digital clock*	S	S
Air conditioning	S	S
High-intensity interior lamps on door and pillar (Coupe) or in rear compartment (Conv.)	S	S
Underdash courtesy lamps	S	S
Twin underhood lamps	S	S
Headlamp-on reminder	S	S
Intermittent windshield wipers	S	S
Illuminated RH visor vanity mirror	S	S
Leather-wrapped Tilt-Telescopic steering wheel	S	S
Electronic Speed Control with Resume Speed	S	S
Driver information system: includes instant MPG, average MPG, and range in digital readouts	S	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	S
Manual inside hood release	S	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	S
Day/night rearview mirror with integral map lamps	S	S
Deep-twist floor and storage area carpet	S	S
Rear underfloor storage compartments (2)	S	NA
Acoustical insulation package	S	S
Luggage compartment concealment roller shade	S	NA

S—Standard NA—Not Available \*4-speed manual with 2nd, 3rd, 4th automatic overdrive optional.  
 \*May be deleted for credit or upgraded to optional radio.

# OPTIONS

## FACTORY-INSTALLED OPTIONAL EQUIPMENT *(available at extra cost)*

### RPO

**C68** Air Conditioning, electronic control

**G92** Axle: Performance ratio

**KC4** Cooler, Engine Oil

**Z6A** Defogger System. Includes rear window defogger and heated outside rearview mirrors (Coupe only)

**K05** Engine Block Heater

**DL8** Mirrors, Twin Remote, heated outside rearview mirrors (Convertible only)

**D74** Mirror, Visor Vanity, illuminated, driver's side

**B4P** Radiator Cooling Boost Fan

**V01** Radiator, Heavy-Duty

**24S** Roof Panels (Coupe only)  
Blue tint, transparent lift-off

**64S** Bronze tint, transparent lift-off

**C2L** Dual removable (Req's 24S or 64S)

### Seat Equipment:

**AC3** Seat, power, 6-way. Driver's side

**AC1** Seat, power, 6-way. Passenger's side

### Suspension Equipment:

**Z51** Performance Handling Package: includes selected special lower control arm bushings, Delco/Bilstein shocks (RPO FG3), heavy-duty front and rear springs and stabilizer bars, 13:1 fast-ratio power steering with oil cooler, engine oil cooler (RPO KC4), heavy-duty cooling (RPO B4P), radiator boost fan (RPO V01), 17" x 9 1/2" cast aluminum wheels with P275/40ZR-17 Eagle tires and structural revisions. (Available on Coupe with manual transmission only.)

**Z52** Sport Handling Package: Delco-Bilstein shocks (RPO FG3), engine oil cooler (RPO KC4), radiator cooling boost fan (RPO B4P), and 17" x 9 1/2" cast aluminum wheels with P275/40ZR-17 Eagle tires, heavy-duty radiator (RPO V01) and structural revisions. (Not available with RPO Z51.)

**FG3** Shock absorbers: Delco/Bilstein

### Radio Equipment

**UU8** Delco-Bose Music System, (Electronically tuned AM/FM stereo w/Seek and Scan, cassette tape, four speakers with separate enclosures, and digital clock)

**UL5** Radio Delete (for credit; deletes standard radio and speakers)

## QUICK-SPEC PACKAGES

### CORVETTE COUPE Package CVA1

#### RPO

**Z6A** Defogger system

**UU8** Delco-Bose music system

**AC3** Seat, 6-way power driver's

### CORVETTE COUPE Package CVA2

(Content of CVA1 plus:)

#### RPO

**C68** Air conditioning, electronic control

**AC1** Seat, 6-way power passenger

### CORVETTE Convertible Package CYA1

#### RPO

**UU8** Delco-Bose music system

**AC3** Seat, 6-way power driver's

### CORVETTE Convertible Package CYA2

(content of CYA1 plus:)

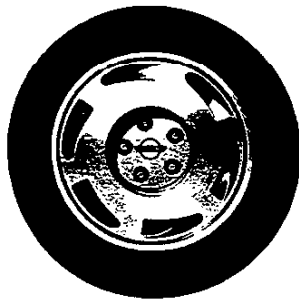
#### RPO

**C68** Air conditioning, electronic control

**DL8** Mirrors, twin remote

**AC1** Seat, 6-way power passenger

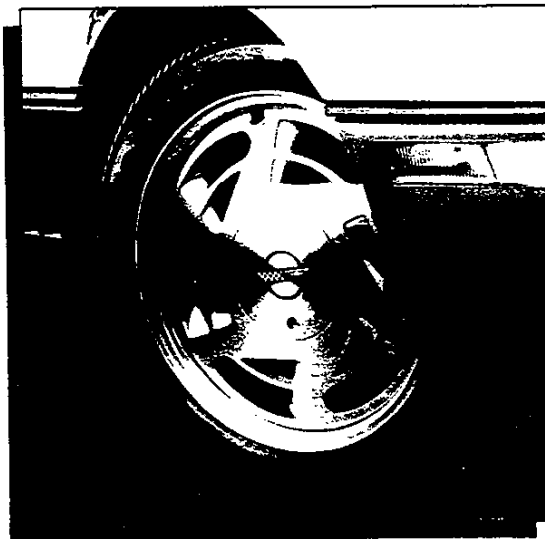
# OPTIONS



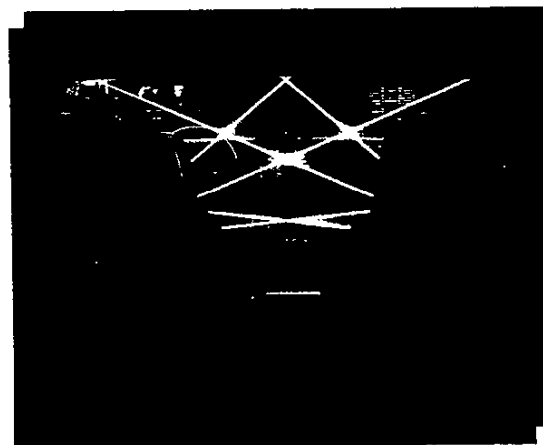
Standard Corvette 16" x 8 1/2" aluminum wheels.



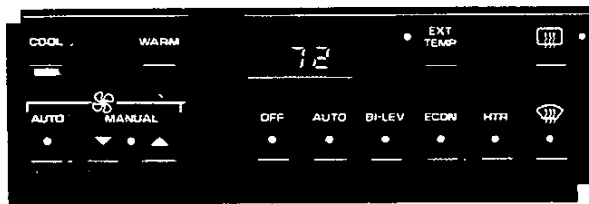
Corvette 17" x 9 1/2" aluminum wheels. Included in RPO Z51 and RPO Z52 handling packages.



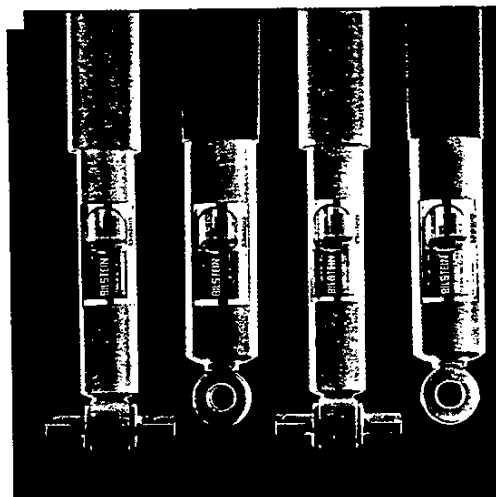
Cast aluminum 17" wheels and P275/40ZR-17 Eagle radial tires are included in Corvette's optional Sport Handling and Performance Handling packages.



Delco-Bose Sound System tailors stereo music to Corvette's interior.

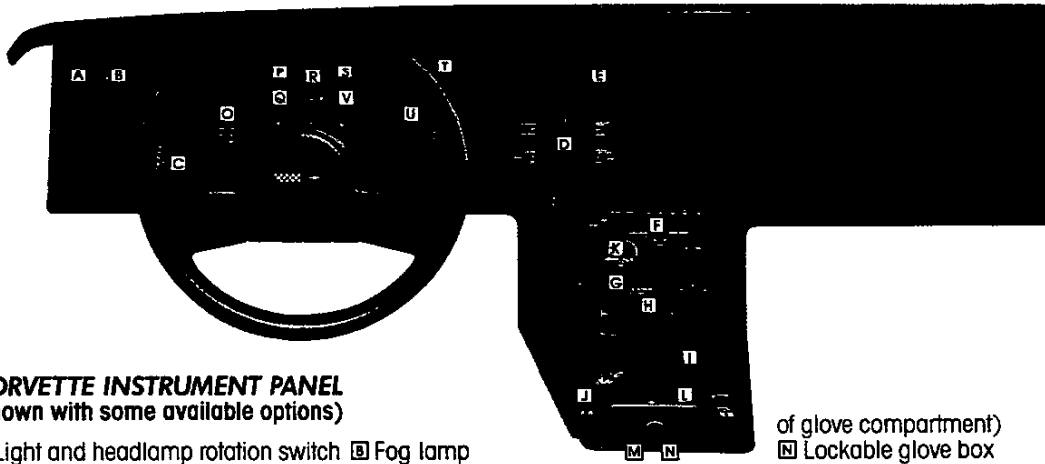


Electronic Control Air Conditioning automatically adjusts to preset interior comfort level. Available for Coupe or Convertible.



Delco-Bilstein gas-charged shock absorbers are included in RPO Z51 and Z52 handling packages.

# INSTRUMENT PANEL FEATURES



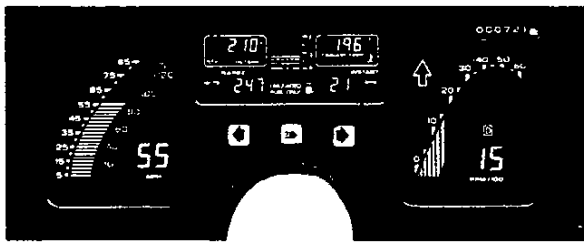
## CORVETTE INSTRUMENT PANEL (shown with some available options)

Light and headlamp rotation switch  Fog lamp switch  Column-mounted multi-function turn signals/headlamp switch and cruise control  Switch for English/metric readouts  Ventilation outlets  AM/FM stereo radio with Seek and Scan, cassette and digital clock\*  Leather-wrapped shift lever knob and boot  Heater and air conditioning controls  Cigarette lighter and ashtray  Power window switches  Manual transmission Overdrive Engaged switch on shift knob  Power Sport mirror controls  Electric rear hatch release (forward wall

Lockable glove box of glove compartment) includes cassette storage compartment and coin holder  Speedometer—English and metric (analog—5-85 MPH, 10-140 kph; digital reads actual speed)  Oil pressure or temperature readouts (metric or English)  Range and trip odometer readouts (metric or English)  Fuel gage with Reserve note  English coolant temperature and voltage readouts (metric or English coolant temperature)  Odometer—miles  6000 RPM tachometer  Instantaneous or average fuel economy readouts (metric or English).

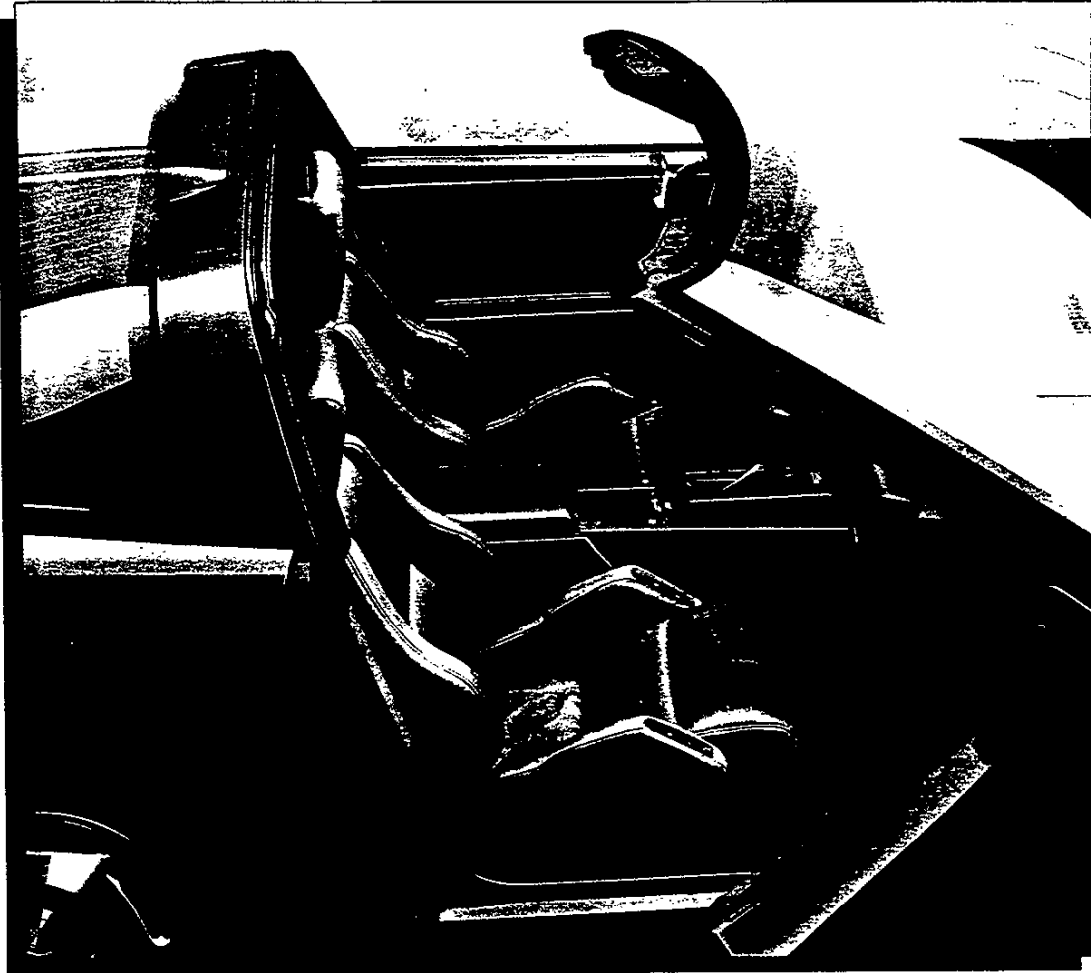
\*May be deleted for credit (optional radio shown).

OPTIONS



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

## INTERIOR FEATURES



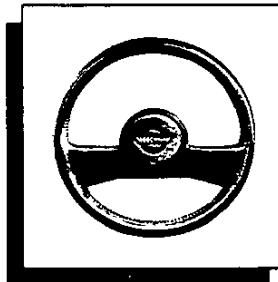
Corvette interior with optional adjustable sport seats.

**Corvette standard interior features include**

- Special contour bucket seats trimmed in Sport Cloth with wool-pad comfort liner
- Illuminated right-hand visor vanity mirror
- Full floor carpeting
- Carpeted sill plates.

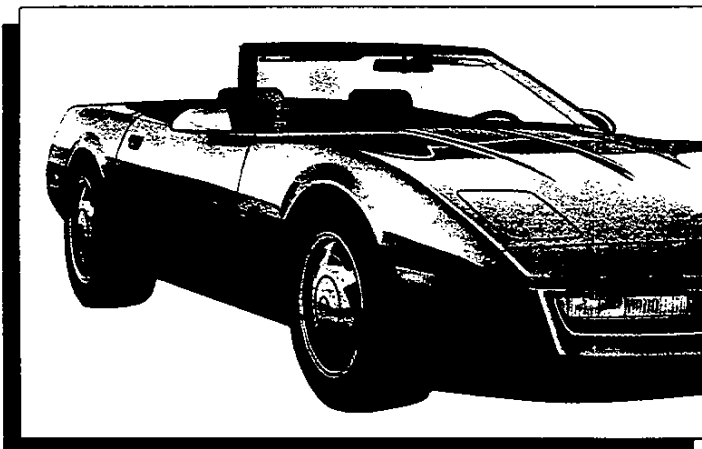
**Interior options include**

- Leather seating surfaces
- Leather-trimmed adjustable sport bucket seats (shown above) with full power lumbar, backrest and backrest bolster adjustment (requires RPO AC1 and AC3 6-way power seat adjusters).

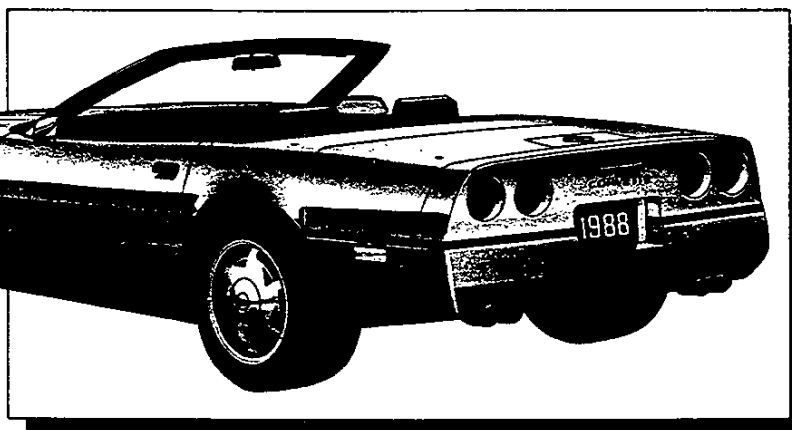


Standard Corvette two-spoke steering wheel.

# CORVETTE CONVERTIBLE



Corvette Convertible.



Corvette Convertible.

INTERIOR FEATURES

## STANDARD EXTERIOR FEATURES

Include:

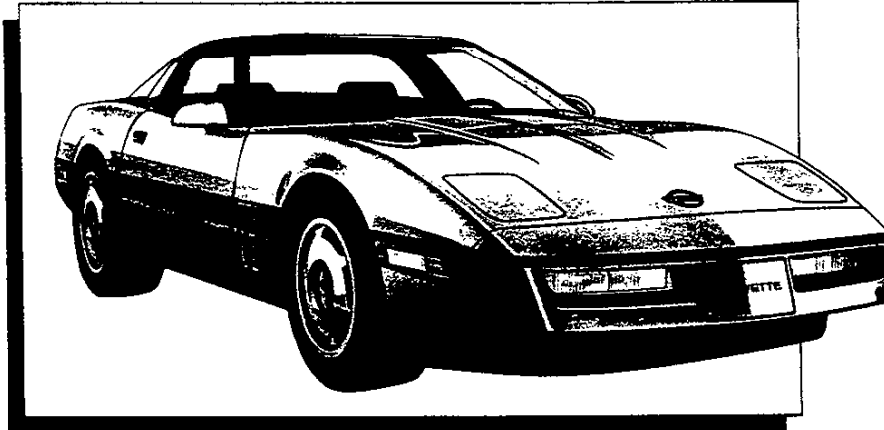
- Power-operated retractable single-unit halogen headlamps
- Dual quartz-halogen fog lamps
- Corvette flag emblem on front panel
- Black finish windshield molding
- Concealed windshield wipers with integral washers in wiper arms
- Body-color front bumper cover with black molding
- Black air deflector
- Body-color rocker panel molding with black lower edge
- Front fender marker and cornering lamps
- Rear quarter clear lens side lamps
- Front fender air louvers
- Dual electric remote-controlled sport mirrors
- Tuned-Port Injection lettering in fender molding

- Center high-mounted stop lamp integral with rear spoiler
- 16" x 8½" cast aluminum wheels
- P255/50ZR-16 Eagle black-lettered tires
- Press-flap door handles
- Black body side molding
- Tuned-Port Injection nameplate
- Black belt molding
- Body-color rear fascia with integral spoiler and black molding
- Corvette nameplate on rear fascia
- Corvette flag badge on fuel filler door
- Manual folding top with lightweight framework
- Top stowage well hinged cover

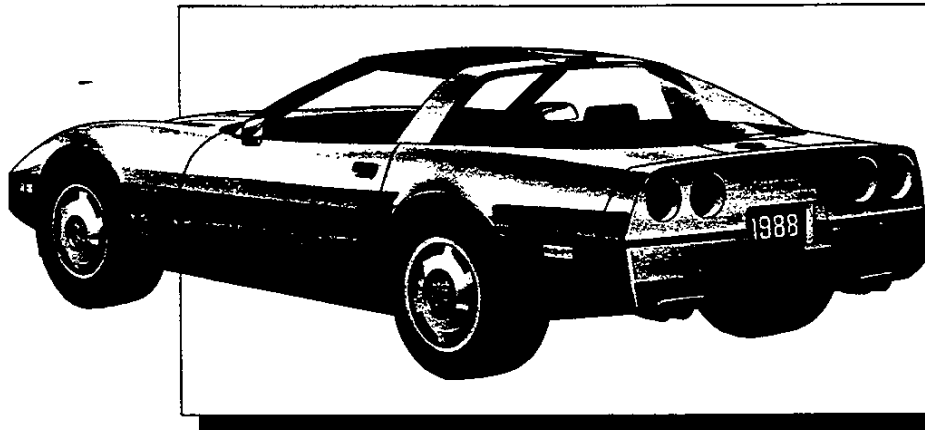
### Illustrated Optional Equipment

- 17"x9½" cast aluminum wheels with P275/40ZR-17 Eagle black-lettered tires (included with RPO Z52 Sport Handling Package)

# CORVETTE COUPE



Corvette Coupe.



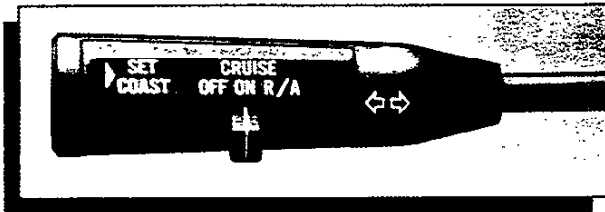
Corvette Coupe.

## STANDARD EXTERIOR FEATURES

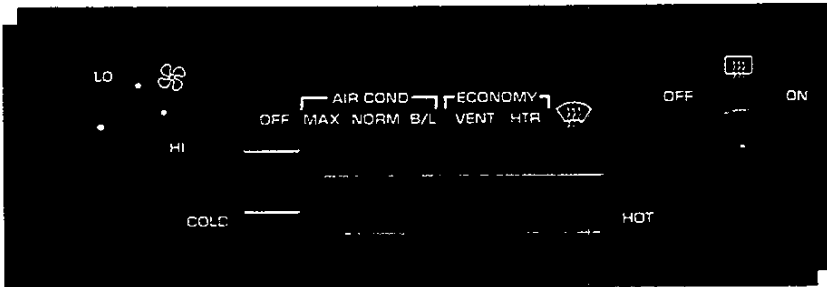
### Include:

- Power-operated retractable single-unit halogen headlamps
- Dual quartz-halogen fog lamps
- Corvette badge emblem on front panel
- Black finish windshield molding
- Concealed windshield wipers with integral washers in wiper arms
- Body-color front bumper cover with black molding
- Black air deflector
- Body-color rocker panel molding with black lower edge
- Front fender marker and cornering lamps
- Front fender air louvers
- Single removable roof panel
- Frameless rear hatch glass
- Rear quarter clear lens side lamps
- Dual electric remote-controlled sport mirrors
- 16" x 8½" cast aluminum wheels
- P255/50ZR-16 Eagle black-lettered tires
- Press-flap door handles
- Black body side molding
- Tuned-Port Injection nameplates
- Black belt molding
- Body-color rear fascia with integral spoiler and black molding
- Corvette nameplate on rear fascia
- Corvette badge on fuel filler door
- Center high-mounted stop lamp





Electronic speed control with Resume Speed function is now standard.



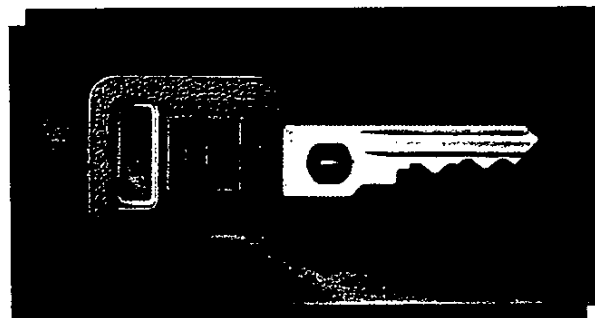
Air conditioning is only one of the standard features that keeps Corvette among the most completely equipped cars sold in America.



Powerful electric motors rotate quartz halogen headlamps into On and Off positions.



Standard Eagle P255/50ZR-16 radial tires are mounted on Corvette 16" cast aluminum wheels.

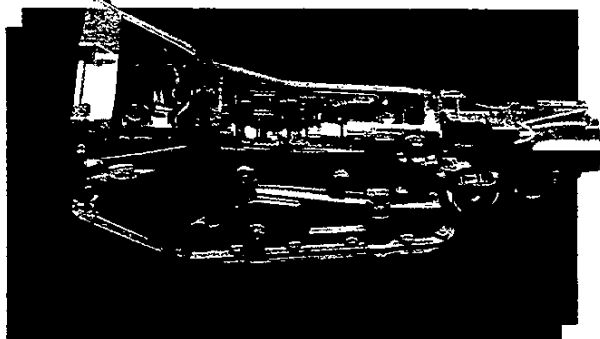


"Pass Key" vehicle anti-theft system includes specially encoded keys.

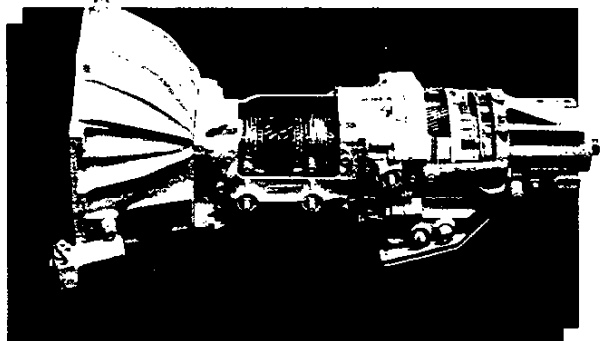
# MODEL FEATURES



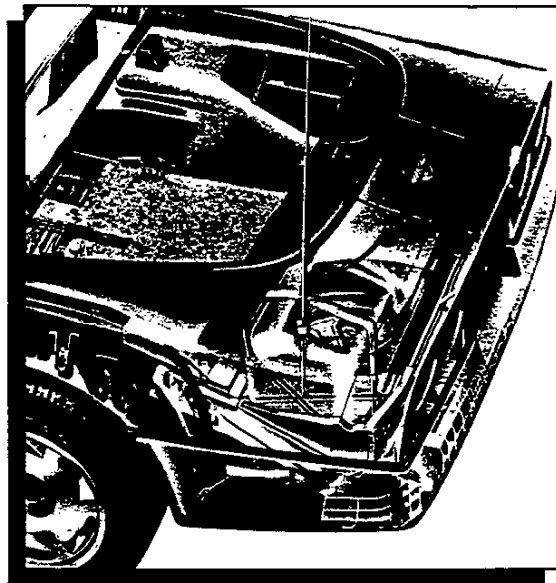
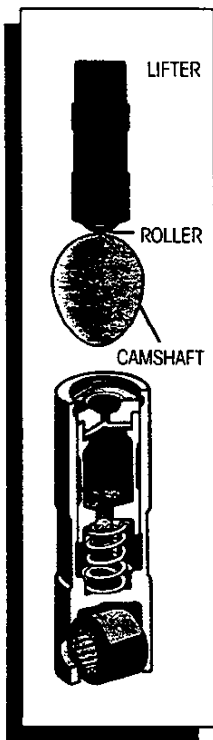
A 4-speed automatic overdrive transmission with torque converter clutch is standard.



A 4-speed manual transmission with computer-controlled overdrive for top three gears is available.



Hydraulic roller valve lifters reduce internal friction in Corvette's engine.



Filler cap for 20-gallon capacity fuel tank is concealed beneath fuel filler door centered on deck.

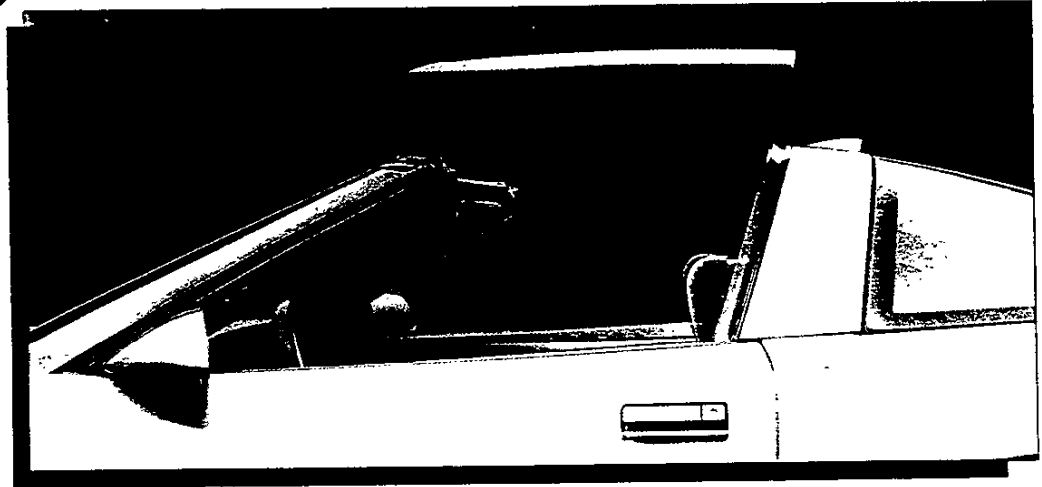


Corvette's clam-shell hood tilts forward to reveal accessible 5.7 Liter V8 engine.

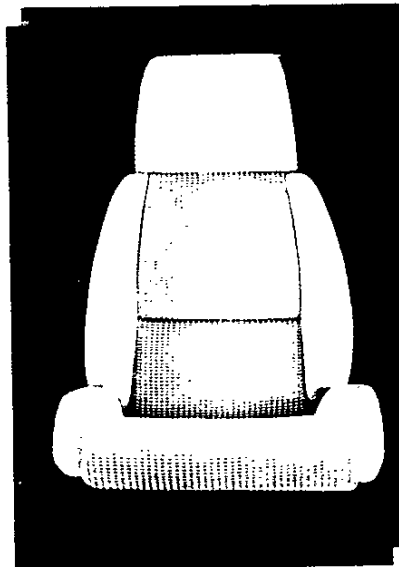


Four-wheel disc brakes are standard. Bosch ABS II anti-lock braking system is included to help maintain steering control in emergency stopping situations.

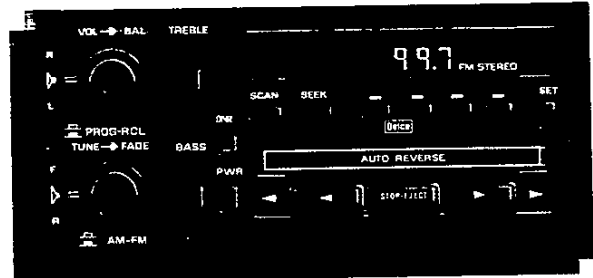
# MODEL FEATURES



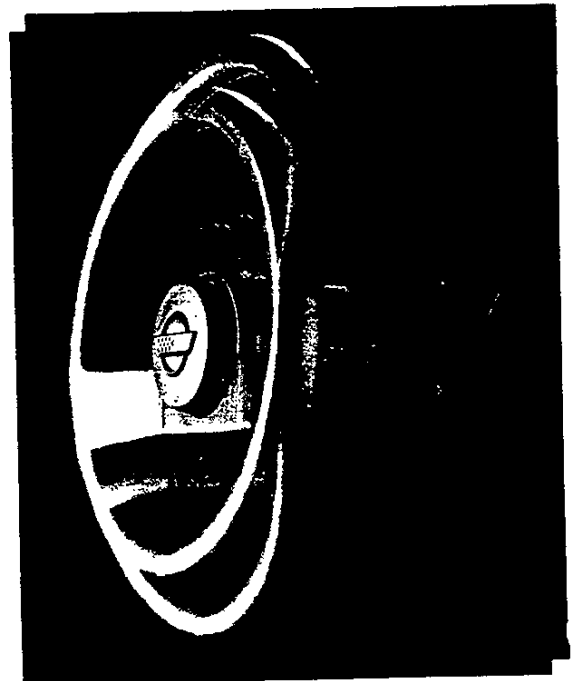
Removable one-piece lift-off roof panel stores in lock-down position in rear compartment.



Standard cloth bucket seats have integral head restraints and wool comfort liners.



A cassette player is included in the standard AM/FM stereo radio with Seek and Scan and digital clock (may be deleted for credit or upgraded to optional radio).



Steering wheel tilts and telescopes to suit driver's personal specifications.

# FEATURE HIGHLIGHTS

MODEL FEATURES

## CORVETTE COUPE

**features include:**

- Bosch ABS II anti-lock braking system
- One-piece removable fiberglass roof panel
- High-mounted stop lamp on hatch hinge
- Air conditioning (Automatic Temperature Control available)
- Power windows
- Power door locks
- Twin remote electrically controlled outside rearview mirrors
- Power steering
- Power 4-wheel disc brakes with two-piston front brake calipers
- Halogen fog lamps
- Independent front and rear suspension with forged aluminum suspension arms and filament-wound fiberglass leaf springs
- Zero-scrub front suspension
- High-compression Tuned-Port Fuel Injection (TPI) 5.7 Liter V8
- Aluminum cylinder heads with magnesium rocker covers
- Clamshell-opening front end assembly
- Power-operated retractable halogen headlamps
- Side window defoggers
- Electronic speed control with resume speed
- Digital instrument cluster with English/Metric readouts
- Tilt and telescope steering column
- Door-mounted wiper washer controls
- AM/FM stereo radio with Seek and Scan, cassette, four speakers, digital clock and power antenna\*
- 16" x 8½" aluminum wheels
- P255/50ZR-16 Eagle black-lettered tires
- Automatic transmission
- 4-Speed manual transmission with overdrive in top three gears optional
- 20-gallon fuel tank
- Door edge and glove box hatch releases
- Leather-wrapped steering wheel
- Acoustical insulation package
- Center console with shifter, coin tray, power window, radio, air conditioning and electric mirror controls
- Underfloor stowage compartments
- Full glass rear hatch with remote releases and roller-shade cargo cover

\*May be deleted for credit or upgraded to optional radio.

■ "Pass Key" vehicle anti-theft system. 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.

## CORVETTE CONVERTIBLE

**features in addition to or replacing Corvette Coupe equipment:**

- High-mounted stop lamp in rear fascia
- Structurally reinforced uniframe and rear underbody reinforcements
- Folding top in Black cloth or White or Saddle vinyl
- Folding top stowage compartment hinged cover

# MODELS

**CORVETTE**

Coupe .....	1YY07
Convertible .....	1YY67

**MODEL NO.**

**PASSENGER CAPACITY**

All Models .....	2
------------------	---

# 1988 CORVETTE

Exterior Dimensions		Coupe	Sedan	Wagon
Length (in.)		176.5		
Wheelbase (in.)		96.2		
Width (in.)				
Height (in.)				
Tread front (in.)				
Tread rear (in.)				
Curb weight base (lbs.)		3229		
Interior Dimensions				
Front	Head room (in.)			
	Leg room (in.)	42.6		
	Shoulder room (in.)			
	Hip room (in.)	49.3		
Rear	Head room (in.)	—		
	Leg room (in.)	—		
	Shoulder room (in.)	—		
	Hip room (in.)	—		
	Luggage capacity (ft <sup>3</sup> )	17.9		
	Interior Volume Index	—		
	Fuel capacity (gals.)	20.0		

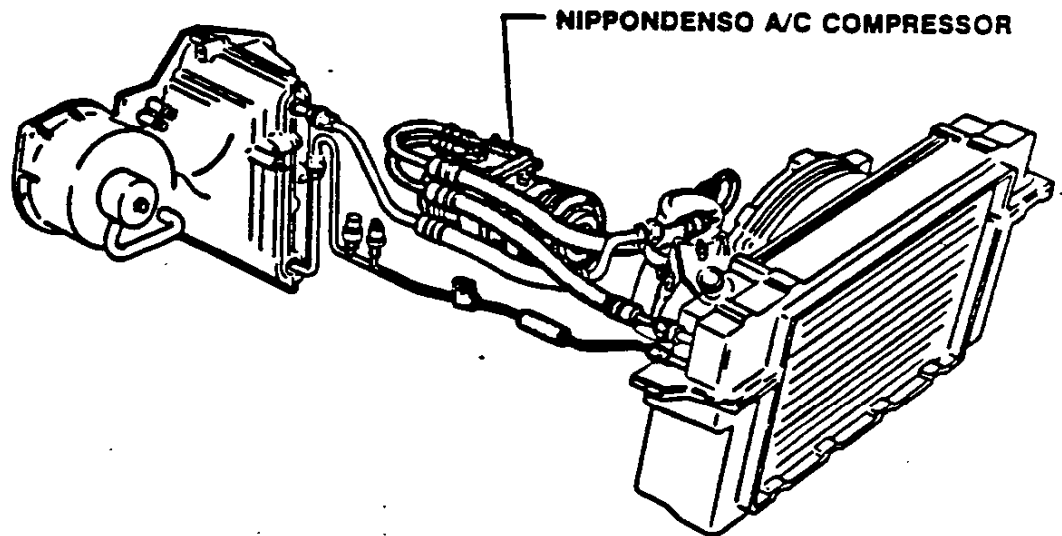
<p><b>Engine</b></p> <ul style="list-style-type: none"> <li>● 5.7L V8 TPI</li> </ul>
<p><b>Transmission</b></p> <ul style="list-style-type: none"> <li>● 4 Speed Manual (Doug Nash)</li> <li>● 4 Speed Automatic</li> </ul>
<p><b>Axle</b></p> <ul style="list-style-type: none"> <li>● 2.59:1 Std. with Auto.</li> <li>● 3.07:1 Std. with Manual Avail. with Auto.</li> </ul>

## 1988 NEW FEATURES SUMMARY

- New two piston front brake calipers and thicker rotors.
- Suspension refinements include zero-scrub front suspension and reduced rear camber.
- New parking brake system with parking brake handle moved down and rearward, away from entry area.
- Body vent pressure relief system increases heating/ventilation/air conditioning flow through vehicle (Coupe only).
- Three new colors — Dark Blue Metallic, Charcoal Metallic and Gray Metallic.
- New heavy-duty brake system with RPO Z51.
- New standard 16" x 8 1/2" cast aluminum wheels with P255/50ZR-16 Eagle blackwall tires.
- New 17" x 9 1/2" cast aluminum wheels and P275/40ZR-17 Eagle tires optional (included with RPO Z51 and Z52).



**1988 CORVETTE  
UNDERHOOD A/C  
L-98**



**NEW 12.7 CU. NIPPONDENSO COMPRESSOR  
FOR IMPROVED PERFORMANCE**

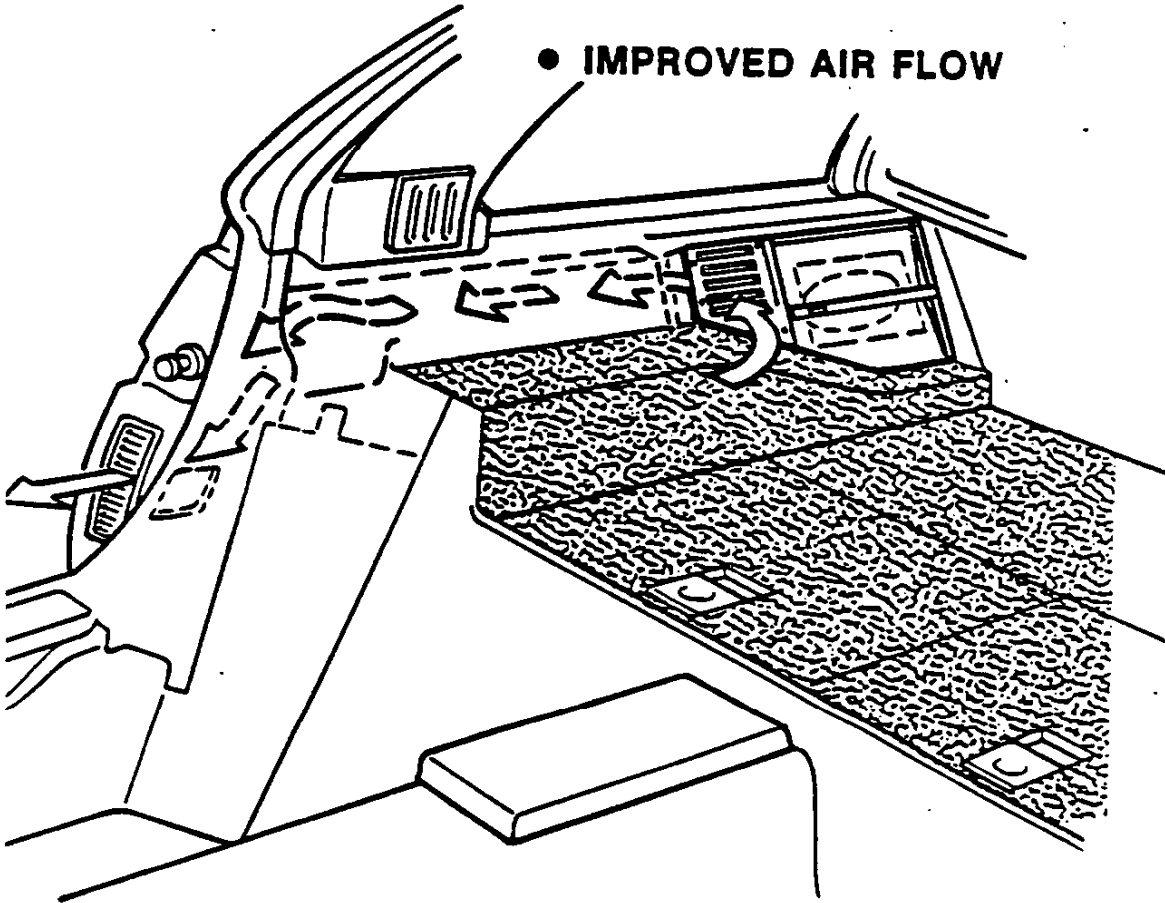
The new Nippondenso air conditioning compressor used with the L98 'Y' car engine has a substantial increase in displacement and has greater reliability. The increased displacement provides 36 percent increase in performance which amounts to 5 percent decrease in discharge temperature. Although smaller in diameter, the unit is longer and weighs approximately the same. Due to the increased cooling capacity, the Nippondenso compressor does not require use of the heater water valve to shut off coolant flow to the heater core; thereby, simplifying design and eliminating the valve.



# 1988 CORVETTE

## NEW BODY VENT SYSTEM

- IMPROVED AIR FLOW



For improved air flow, the 1988 Corvette uses a body vent pressure relief system. Air enters the speaker/body vent grille, flows through an interior carpet trough into the lock pillar and exhausts through the relief valve.

Additions to Corvette's long list of standard equipment include power door locks, cruise control and AM/FM stereo cassette radio. New exterior colors for '88 are black sapphire, medium smoke gray, dark smoke gray and dark orange metallic.



FOR RELEASE Immediately

LEXINGTON, Ohio -- A racing version of Chevrolet's flagship performance car, the Corvette, will appear on the IMSA GTO circuit this year. The GTO Corvette -- to be campaigned by the newly formed Protofab/Morrison Racing -- will debut at the June 28 IMSA GTO event at Road Atlanta.

The new GTO Corvette combines the winning heritage of Protofab's SCCA Trans/AM and IMSA Camaros and Morrison's SCCA Showroom Stock Corvettes.

The body is the basis for a new Corvette aero-package aftermarket kit which is available for the production car through authorized GM dealers.

A naturally-aspirated 335 cubic inch, 600 horsepower Chevrolet V8 will power the Corvette at its debut in Atlanta. The rigidly mounted engine is treated as a semi-stressed member. It allows some of the load of the chassis to be absorbed by the engine block, resulting in an efficiency in packaging and weight savings.

The car incorporates a Saginaw power rack-and-pinion steering gear similar to the production version. Technology from Harrison Radiator for oil, transmission, and both engine and differential cooling was also borrowed from the production car. The suspension features Delco adjustable shocks with coil springs. The vehicle uses synthetic Mobil 1 lubricants for all applications.

- more -

#9973

The association of Protofab and Morrison Racing is significant. The "Morrison" in Morrison Racing is Tommy Morrison, whose past Corvette racing experience in the SCCA Showroom Stock series and in IMSA GTO events is well-known.

Protofab's Bob Riley, Charley Selix and Gary Pratt, developers of the car, designed race Vettes for John Greenwood in the '70s and Greg Pickett in the early '80s.

GM's John Cafaro, Chief Designer - Corvette and Camaro studio, and Randy Wittien, Senior Designer - Corvette and Camaro studio, designed the body of the new GTO Corvette.

"We wanted to incorporate the grace of the production car in the race car, with the fluid surfaces but at the same time taking into account the aggressive features of the Protofab race chassis," says Cafaro.

Tommy Riggins and Greg Pickett, co-drivers in the 12-Hours of Sebring win this year, will share driving duties in the car this year, though Pickett will be driving solo at the debut in Atlanta.

The major sponsors will be Mobile 1 and Mid-America Corvette Supplies.

#9973

Here's a look at the GTO Corvette Specifications:

EXTERIOR

Wheelbase	96.0	
Length	176.6	
Width	77.0	
Height	43.0	
Front Tread	64.375	
Rear Tread	62.25	
Min. running clearance	3.0	
Curb Weight (lbs.)	(V8)2,600	(V6)2,250

BODY AND CHASSIS

	Front	Rear
Wheels	BBS 16 X 12	BBS 16 X 14
Tires Goodyear	25.5 X 12.5 X 16	27 X 14 X 16
Steering Type	Corvette Rack & Pinion	
Steering Ratio	15 to 1	
Turns Stop-to-stop	2	

CAPACITIES

Fuel Tank	31.5 Gallons
Cooling System	3.5 Gallons
Oil System	15.0 Quarts

ENGINE

	V8	V6
Type	Chevy 90 degree V8	Chevy 90 degree V6
Cubic Inch	335	275
Horsepower	600	490
Torque	450	390

PERFORMANCE

	V8	V6
MPG	4.5	5.5
Top Speed	195	181

# # #

6/23/87





FOR RELEASE Immediately

LEXINGTON, Ohio -- If you own a 1984 or newer Corvette and you want it to take on the swoopy appearance of the IMSA GTO racer that Protofab Engineering's Greg Pickett will debut at Road Atlanta on June 28, your Chevy dealer can help you.

In a departure from past practice, Chevrolet has cooperated in the design of an \$1800 GTO Corvette fiberglass kit which will be made available in limited quantities through authorized GM parts dealers (Part #10051200).

The kit, a collaboration of Chevrolet Special Products, GM Design Staff, Protofab Engineering and Autofab, Inc., improves the production Corvette's high speed aerodynamics.

It contains fiberglass body pieces, fastening hardware and installation instructions and is priced at \$1,800. Though the kit comes primed, it does require installation and painting.

Initially, only fiberglass kits will be manufactured. If the interest is there, demand may dictate tooling to produce soft-parts (non-fiberglass).

The kit will fit 1984 through current year Corvette models. A list of the individual parts included in the kit are as follows:

- more -

#9970

GM PART NUMBER	DESCRIPTION	QUANTITY
10051186	Front facia extension ASM	1
10051187/88	Hood air extractor rt & lt	2
10051189/90	Side air extractor rt & lt	2
10051191/92	Rocker reinf. rt & lt	2
10051193/94	Rocker extension rt & lt	2
10051195/96	Door extension rt & lt	2
10051197	Spoiler ASM	1
10051198	Rear facia extension	1
10051199	Exhaust extension	2
	Clamps/tail pipe	4
14084306	Bolts	14
9439560	3/16" aluminum rivets	24
11500321	Washers, steel	69
20316335	Nuts, sealing	37
11503552	Screws, J-nut	6
10051185	Retainers/side, steel	4
GM3802M	Tape, double sided 1"x80"	1
	Adhesive	
11513930	Screws, rocker extension	10

# # #

6/23/87

## SUSPENSION, STEERING, TIRES

1988 CORVETTE

### Zero Scrub Front Suspension

The basic front suspension has been redesigned in order to provide zero scrub radius with zero offset. This will eliminate brake pull due to uneven brake forces as a result of individual braking action at each wheel from electronic brake modulation. This geometry change revised the steering knuckles, front upper and lower control arms, front spring and shock absorbers, front stabilizer shaft and link assemblies, front brake calipers, rotors and hub assemblies.

### Steering System

The steering system will be essentially continued from 1987. The exception will be the tie rod lengths necessary for the zero scrub front suspension and the rack stop that is required with the 17 inch wheels and tires. In order to accommodate the 17" x 9.5" wheels and the P275/40VR17 tires, the turning radius of the vehicle is increased.

### Rear Suspension

The rear suspension is a 5-link design, essentially continued from 1987 with revisions to extend rebound travel and to reduce rear ride camber for improved handling and down-the-road stability.

The trailing link forward bushings are moved inboard and the lateral arm assembly inboard bushing attachments are lowered. The outer tie rod attachment is moved rearward and down, with the inboard attachment moved upward.

New shock absorber location will be required to accommodate revised suspension camber. The upper shock mount changes to a bayonet (stud) attachment and is relocated from the inboard side of the body rail to the center of the rail.

New jounce bumper and body mounted bracket location will be required. For other than the stabilizer bar and the attaching brackets, the suspension contains forged aluminum alloy parts. The stabilizer bar is to be of tubular steel design where appropriate for weight savings. All steel parts will be coated for corrosion protection.

Included in this change, new parts are Differential Carrier, Rear Stabilizer, Shaft Insulators, Bracket, Rear Spring Arm and Insulator, Control Arm Brackets, Rear Axle Tie Rod, Rear Suspension Knuckle, Rear Shock Absorber Assembly with retainer bracket and insulator.



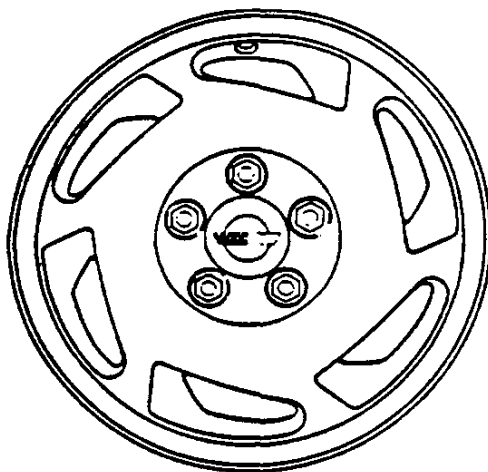
## SUSPENSION, STEERING, TIRES

### 1988 CORVETTE

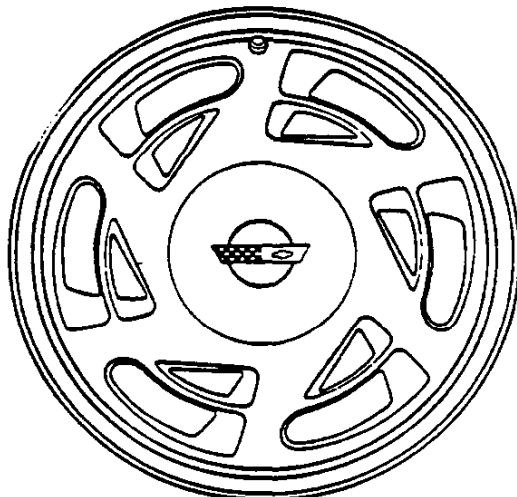
#### Wheels and Tires

Wheel and tire lineup for 1988 is new; both standard and optional wheels have been restyled. The base wheel with standard suspension remains 16 x 8 1/2-inch with Goodyear P255/50ZR16 Eagle ZR50 tires, which obviously meet the new international "Z" rating system for "149 mph +" top speed tires, and 16 x 4-inch steel spare with T155/80D16 tire.

The new optional 17 x 9 1/2-inch wheels are fitted with Goodyear Eagle P275/40ZR17 Eagle ZR50 tires, while the 17 x 4-inch aluminum spare is Goodyear's T155/70D17 tire. The optional tires represent state-of-the-art tire technology for better wet and dry traction, braking and handling.



STANDARD CORVETTE  
16" x 8 1/2" ALUMINUM  
WHEEL



OPTIONAL 17" x 9 1/2"  
ALUMINUM WHEEL  
(RPO OA1)  
INCLUDED IN RPO Z51  
AND RPO Z52  
HANDLING PACKAGE

## BRAKES

### 1988 CORVETTE

New twin piston front brake calipers and larger and thicker diameter rotor for 1988 provide increased braking capacity and longer pad life. Also for 1988 optional heavy-duty brakes are available with the 17-inch wheel option, including even larger rotor and matching caliper system.

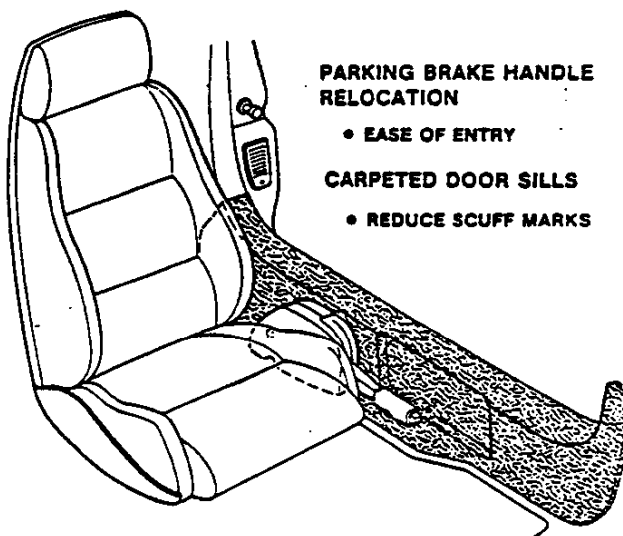
New brake hoses and lines to accommodate the new calipers, as well as new higher-capacity front and rear wheel bearings are featured.

The front calipers are an aluminum twin piston, low drag design for increased pad area, wear life, and uniform pressure distribution, while the rear calipers are a single piston, aluminum design with an integrated parking brake

Front and rear linings are non-asbestos. All rotors are of integral construction. Standard front and rear rotor size is 305 x 20 mm, while heavy-duty front rotor is 330 x 28 mm.

#### INTEGRAL PARKING BRAKE SYSTEM

The 1988 Corvette features an integral parking brake system utilizing the rear rotors and pads which replace the current system which uses a separate drum and brake shoes. The parking brake handle is also moved down and rearward to improve entry/exit.



#### **PARKING BRAKE HANDLE RELOCATION**

- EASE OF ENTRY

#### **CARPETED DOOR SILLS**

- REDUCE SCUFF MARKS

DESIGN CHANGE LIST

<u>ENGINE</u>	<u>DESCRIPTION</u>
RPO L98 5.7L-V8 TPI ( 'Y' )	<ul style="list-style-type: none"><li>- Guided valve rocker arms</li><li>- Oxygen sensor less susceptible to contaminant poisoning</li><li>- Composite cylinder head gasket</li><li>- Oil pan drain plug weld plate</li><li>- Increased flow cylinder head exhaust ports</li><li>- Secondary angle cut on exhaust valve head</li><li>- Nippondenso A/C compressor</li><li>- Thicker front cover</li><li>- Threaded oil fill cap</li></ul>
RPO LM1 5.7L-V8 4-Bbl. ( 'B' )	<ul style="list-style-type: none"><li>- Thicker front cover</li><li>- Guided valve rocker arms</li><li>- Oxygen sensor less susceptible to contaminant poisoning</li><li>- Composite cylinder head gasket</li><li>- Oil pan drain plug weld plate</li><li>- Reduced tension oil control rings</li><li>- New carburetor acceleration pump</li></ul>

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

FEATURES

ENGINES - CONTINUED

90 DEGREE V6/V8 ENGINES  
(RPO LB4, LG4, L03, L69, LB9, LM1, L98)

The 90 degree V6 and V8 engines for 1988 are modified to improve customer satisfaction, improve reliability and driveability, and improve manufacturing processes. Applicable to all engines are guided valve rocker arms to improve rocker arm roll stability, oxygen sensor made less susceptible to contaminant poisoning, cylinder head gaskets made of stamped steel and composite graphite with stainless steel fire rings, front cover made of thicker material, and an oil pan drain plug weld plate replacing the weld nut; all for improved reliability and durability.

The 4.3 liter V6 engine (RPO LB4) for 'B' cars and the 5.0 liter V8 engine (RPO L03) for 'F' cars have customer satisfaction attributes in new computer highway fuel algorithm for enhanced highway fuel economy and a revised throttle body with improved idle air control for improved idle quality and low speed driveability. The LB4 engine for 'B' cars also has revised engine mounts for improved idle quality and the EVAP emission control system incorporates closed loop purge for improved driveability.

The carbureted engines (RPO LG4, L69 and LM1) have new carburetor accelerator pumps that eliminate hot acceleration hesitations (available interim 1987), and the LM1 engine has reduced tension oil control rings to reduce engine friction and enhance fuel efficiency.

Horsepower is increased in the manual transmission equipped 5.0 liter TPI engine (RPO LB9) with a revised camshaft. A 'T' handle oil level gage, with the words "Engine Oil" on the handle, is easier to identify and enhances serviceability. Pontiac's version of the LB9 and L98 engines now use an increased flow induction system that results in increased horsepower and torque for improved driveability and performance.

The 5.7 liter TPI engine (RPO L98) has improved gas flow through revised exhaust ports, exhaust valves, and exhaust valve seats and a revised camshaft for increased horsepower ('Y' car only), a 'T' handle oil level gage for improved serviceability ('F' car only), a threaded oil fill cap for positive cap sealing, and a new A/C compressor for improved cooling ('Y' car only).

The 'F' car gets a new throttle body fuel injected 5.0L V8 (RPO L03) engine replacing the 4-barrel carbureted 5.0L V8 (RPO LG4) engine for improved startability, fuel economy, driveability, idle speed control, and overall customer satisfaction. Also, all 90 degree V engines in the 'F' car (RPO L03, LB9 and L98) have serpentine accessory drive systems for increased belt life and quiet operation.

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

FEATURES

GENERAL

Power train component changes are significant for 1988, and involve engines, transmissions and Corvette air conditioning compressions.

Of the nine engine displacements offered for the Sprint through the full size Chevrolet, six feature improvements that increase overall power plant performances.

Design changes for the 2.0 and 2.5 liter 4-cylinder, and 2.8 liter V6 engines, help reduce internal friction, lower reciprocating forces and provide more precise ignition timing. The 2.0 liter engine also features more positive oil sealing of the upper enclosures.

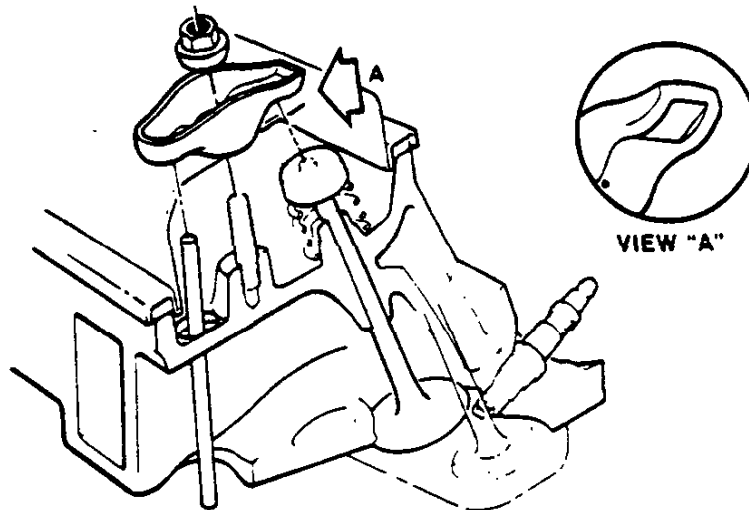
A conscientious effort was undertaken to continue with the functionally distinctive appearances for the 2.0 and 2.8 liter. The 2.5 liter L4 receives internal counter rotating balance shafts along with reduced weight pistons, and increased strength connecting rods. These changes allow increased durability and exceptionally smooth operation.

The 90° 'V' engines, that is the 4.3 liter V6 and 5.0 and 5.7 liter V8's, feature operational efficiency improvements through reduced piston friction. A thicker front cover with composite gaskets and threaded oil fill cap aids in fluid sealing, while a 'T' handle oil level gage aids in serviceability.

FEATURES

ENGINES - CONTINUED

NEW GUIDED VALVE ROCKER ARMS  
(RPO LB4, LG4, L03, L69, LB9, LM1, L98)



Guided Valve Rocker Arms

The valve rocker arms have stamped-in lip guides on the underside of the valve stem pocket that prevent the rocker arm from skewing and improves rocker arm roll stability. The valve stem fits between these guides and maintains a relationship to close tolerance that is in plane and parallel between the rocker arm, rocker arm stud, valve stem and push rod. This parallel relationship not only improves durability by minimizing rocker arm yaw, but also eliminates the need for close tolerance push rod bores in the cylinder block and allows common blocks for both roller and flat follower valve lifters for improved manufacturing capabilities.

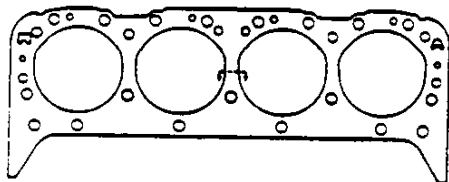
1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

FEATURES

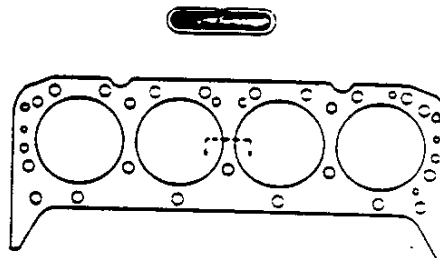
ENGINES - CONTINUED

NEW CYLINDER HEAD GASKET  
(RPO LB4, LG4, L03, L69, LB9, LM1, L98)

1987



INTERIM 1987 AND 1988



Cylinder Head Gasket Comparison

The cylinder head gasket is composed of steel backed graphite with stainless steel fire rings and a pre-coated sealer, and represents a significant product improvement for reliability and durability enhancement.

**FEATURES**

**ENGINES - CONTINUED**

**INCREASED LIFT CAMSHAFT  
(RPO LB9, L98)**

The manual transmission equipped LB9 engine and the L98 engine have a revised camshaft that is responsible for an increase of five horsepower. The inlet valve lift is increased 0.011 inch, the exhaust valve lift is increased 0.015 inch, and the duration of the exhaust valve lift is increased by 4.0 degrees. These revisions improve air flow through the engine and, thus, increase the engine's power.

**SERPENTINE ACCESSORY DRIVE  
(RPO L03, LB9, L98)**

A noticeable and important change in driving the accessories of the 'F' car L03, LB9 and L98 engines is the adoption of a single serpentine belt drive for improved belt life and quiet operation. The serpentine belt system includes a dynamic tensioner that eliminates the requirement for periodic checking and adjustment of belt tension. The tensioner is an idler pulley mounted on a spring-loaded arm that maintains the belt at the proper tension to drive the accessories without imposing undue loads on their mountings and bearings. Besides holding friction at a minimum by loading the drive pulleys with the right tension, the dynamic tensioner system also avoids imposing excess forces that might cause misalignment and excess bearing wear.

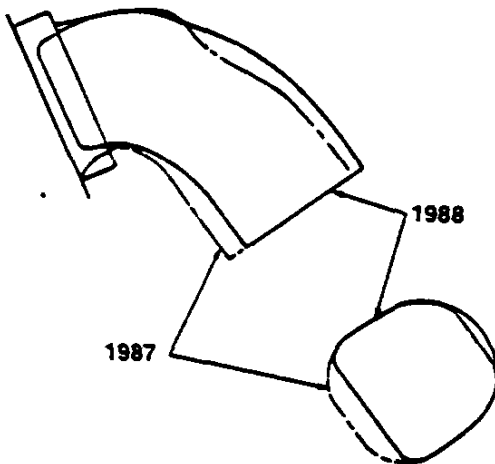


1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

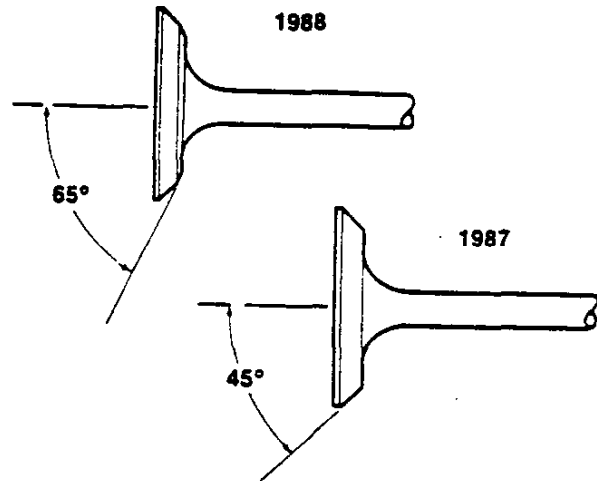
FEATURES

ENGINES - CONTINUED

REVISED CYLINDER HEAD  
(RPO L98)



Exhaust Port  
Comparison



Exhaust Valve  
Comparison

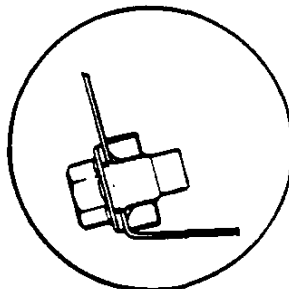
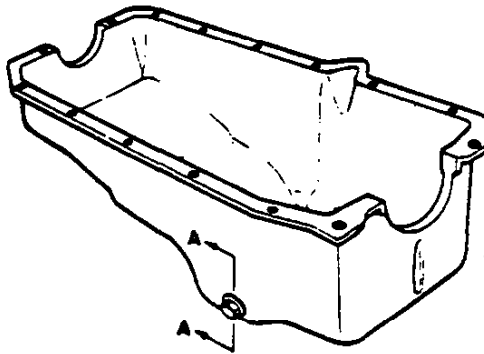
The L98 'Y' car engine cylinder heads are revised to allow an increase in exhaust port flow for added horsepower. The exhaust port is raised and the angles of the valve head and seat are changed to provide for smoother and greater exhaust flow. The raised exhaust port and the revised port contour reduce flow restrictions. To complement the exhaust system flow, the exhaust valve has a secondary angle cut on the back of the head to improve aerodynamics. The exhaust manifolds have also been revised to raise and increase the area of the tubes at the cylinder head mating surface. These revisions increase air flow over the entire valve lift range by providing a smoother and rounder exit path for exhaust gases.

The L98 'Y' car engine also uses the increased lift camshaft that is in the LB9 engine. These cylinder head, exhaust manifold and camshaft changes significantly increase horsepower for improved performance and enhanced customer satisfaction.

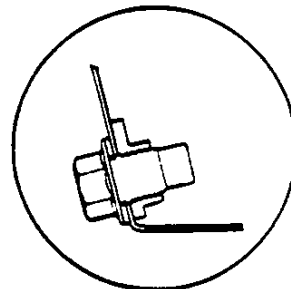
FEATURES

ENGINES - CONTINUED

NEW FRONT COVER AND OIL PAN DRAIN PLUG  
(RPO LB4, LG4, LO3, L69, LB9, LM1, L98)



SEC. A-A  
1987



SEC. A-A  
1988

Oil Pan Comparison

The engine front cover material is 0.016 inch thicker making the cover stiffer for improved sealing. Also, the oil pan drain plug weld nut is replaced by a weld plate that provides more room for welding and prevents the possibility of weld flash from contacting the drain plug sealing surface. This eliminates the need to remove the weld flash and provides a smoother sealing surface for improved sealing.

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

FEATURES

ENGINES - CONTINUED

NIPPONDENSO AIR CONDITIONING COMPRESSOR  
(RPO L98)

The new Nippondenso air conditioning compressor used with the L98 'Y' car engine has a substantial increase in displacement and has greater reliability. The increased displacement provides 36 percent increase in performance which amounts to 5 percent decrease in discharge temperature. Although smaller in diameter, the unit is longer and weighs approximately the same. Due to the increased cooling capacity, the Nippondenso compressor does not require use of the heater water valve to shut off coolant flow to the heater core; thereby, simplifying design and eliminating the valve.

POWER TRAIN CHARTS

DOMESTIC  
'W' CAR

ENGINE			MODEL	TRANSMISSION	DRIVE RATIOS(:1)		
CONF DISP IND RPO	MANF	USE			FINAL GEAR	AXLE	OVERALL VEHICLE
2.8L V6 (173 CI) MFI LB6	CPC	B, O, P	Coupe (Base)	Auto '440-T4' (ME9) - Opt.	0.70	3.33	2.33
				Man 5-Spd (MG2) 3.50 Low-Opt.	0.72	3.61	2.60

DOMESTIC  
'Y' CAR

ENGINE			MODEL	TRANSMISSION	DRIVE RATIOS(:1)		
CONF DISP IND RPO	MANF	USE			FINAL GEAR	AXLE	OVERALL VEHICLE
5.7L V8 (350 CI) TPI L98	CPC	C	Coupe	Man 4-Spd (MH5) 2.88 Low-Base & Z52	0.60	3.07*	1.84
				Man 4-Spd (MK2) 2.88 Low-Z51	0.68	3.07*	2.09
				Auto 700-R4 (MDB)-Base & Z52	0.70	2.59#	1.81
				G92		3.07#	2.15
			Conv.	Man 4-Spd (MH5) 2.88 Low-Z52	0.60	3.07*	1.84
				Man 4-Spd (MK2) 2.88 Low-Base	0.68	3.07*	2.09
				Auto 700-R4 (MDB)-Base & Z52	0.70	2.73#	1.91
				G92		3.07#	2.15

- # - 200mm (7-7/8") ring gear.
- \* - 216mm (8-1/2") ring gear.
- Z51 Performance
- Z52 Sport Handling

DOMESTIC  
'T' CAR (LE MANS)

ENGINE			MODEL	TRANSMISSION	DRIVE RATIOS(:1)		
CONF DISP IND RPO	MANF	USE			FINAL GEAR	AXLE	OVERALL VEHICLE DRIVE
1.6L L4 (96.8 CID) TBI L73	O	P	Cpe & Sedan	Man 5-Spd - Base	0.70	3.74	2.61
				Auto '125c' - Opt.	1.00	3.43	3.43
2.0L L4* (121 CID) SOHC TBI	O	P	Cpe & Sedan	Man 5-Spd - Base	TBD	TBD	TBD
				Auto '125c' - Opt.	1.00	TBD	TBD

- \* - Not available at start of production.

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

POWER TRAIN CHARTS

CANADIAN  
'W' CAR

ENGINE			MODEL	TRANSMISSION	DRIVE RATIOS(:1)		
CONF DISP IND RPO	MANF	USE			FINAL GEAR	AXLE	OVERALL VEHICLE
2.8L V6 (173 CI) MFI LB6+	CPC	B 0 P	Coupe (Opt.)	Auto '440 T4' (ME9) - Opt.	0.70	3.33	2.33
				Man 5-Spd (MG2) 3.50 Low-Base	0.72	3.61	2.60

+ - Uses Federal Emission system.

CANADIAN  
'Y' CAR

ENGINE			MODEL	TRANSMISSION	DRIVE RATIOS(:1)		
CONF DISP IND RPO	MANF	USE			FINAL GEAR	AXLE	OVERALL VEHICLE
5.7L V8 (350 CI) TPI L98 +	CPC	C	Coupe (Base) & Z51	Auto '700-R4' (MD8) - Opt.	0.70	3.07*	2.15
				Man 4-Spd (MK2) 2.88 Low-Base	0.68	3.07*	2.09
			Conv. (Base)	Auto '700-R4' (MD8) - Opt.	0.70	3.07#	2.15
				Man 4-Spd (MK2) 2.88 Low-Base	0.68	3.07*	2.09

- # - 200mm (7-7/8") ring gear.
- \* - 216mm (8-1/2") ring gear with Z51 Suspension.
- + - Uses Federal emission system.

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

SPECIFIC COMPONENTS

BATTERIES

VEHICLE LINE	DIV. USE	ENGINE	RESERVE CAPACITY *		COLD CRANK AMPS AT -18°C (0°F)		MODEL	
			BASE	UA1	BASE	UA1	BASE	UA1
'A'	C, P	LR8	90	N/A	630	N/A	75-630	N/A
				90	525	570	75-525	75-570
'B'	C, P	LB4		N/A	630	N/A	75-630	N/A
		LG4, LV2	75	90	525	570	70-525	75-570
'F'	C	LR8	90				75-525	
		L03-Man.						
		L03-Auto. Except IROC	75				70-525	
		L03-Auto. IROC	90				75-525	
		LB9	75				70-525	
		L98	90	N/A	630	N/A	75-630	N/A
	P	LB8, L03		90	525	570	75-525	75-570
		LB9	75				70-525	
		L98	90	N/A	630	N/A	75-630	N/A
		LB4	90	N/A	630	N/A	75-630	N/A
'G'	C	LG4	75	90	525	570	70-525	75-570
		LG9	75	90	525	570	70-525	75-570
		LH2	75	90	525	570	70-525	75-570
		LJ	75	90	525	630	75-525	75-630
'J'	C	LB6	75	90	525	630	70-525	75-630
		LT2	75	90	525	630	70-525	75-630
'L'	C	LL8-Man.	75	90	525	630	70-525	75-630
		LL8-Auto.	90	N/A	630	N/A	75-630	N/A
		LB6	75	90	525	630	70-525	75-630
'M'	C	LY9	70	N/A	400	N/A	55B24R(S)	N/A
		LY9-FR	70	N/A	400	N/A	55B24R(S)	N/A
		LS3	70	N/A	400	N/A	55B24R(S)	N/A
'N'	P	LB8	75	90	525	630	75-525	75-630
		LT3	75	90	525	630	75-525	75-630
		L02	75	90	525	630	75-525	75-630
'P'	P	LR8	90	N/A	630	N/A	75-630	N/A
		L44		90	525	570	75-525	75-570
'R'	C	LC5	75	N/A	300	N/A	50D20L	N/A
		LC0	75	N/A	300	N/A	50D20L	N/A
		LC9	90	N/A	310	N/A	55D23L	N/A
'S'	C	LW0	90	N/A	310	N/A	55D23L	N/A
		LT3	90	N/A	550	N/A	1901788	N/A
'W'	P	LB6	75	90	525	630	75-525	75-630
'Y'	C	L98	90	N/A	630	N/A	75-630	N/A

\* Number of minutes to discharge battery to 10.5 volts with a 25-ampere load.

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

SPECIFIC COMPONENTS

STARTER MOTORS

VEHICLE LINE	DIV. USE	ENGINE	STARTER MOTOR		
			SERIES	TYPE OF MOUNTING	MANUFACTURER
'A'	C, P	LR8	5MT	Pad	Delco Remy
		LB6	5MT		
'B'	C	LB4, LG4	10MT		
	C, P	LV2			
'F'	C, P	LB8	5MT		
		L03, LB9-Man.	5MT		
		L03-Auto.			
		LB9-Auto.			
		L98			
'G'	C	LB4			
		LG4			
		L69			
'H'	P	LG2			
'J'	C	LL8			
		LB6			
	P	LT2			
'L'	C	LL8	5MT		
		LB6	5MT		
'M'	C	LY9	-		
		LS3	-		
'N'	P	L68			
		LT3			
		LD2			
'P'	P	LRB, L44	5MT		
'R'	C	LC5	-		Nippondenso
		LC0	-		
'S'	C	LC9	-		
		LW0	-		
'T'	P	L73	-		Bosch
		TBD			
'W'	P	LB6			Delco Remy
'Y'	C	L98			Nippondenso





1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

SPECIFIC COMPONENTS

A/C COMPRESSORS

VEHICLE LINE	DIV. USE	ENGINE	A/C COMPRESSOR TYPE
'A'	C, P	LR8 LB5	V-5 (Variable Disp., 5-Cyl.)
'B'	C	LB4 LG4	Radial-4
'F'	C, P	LV2	
'F'	C, P	LB8 LO3 LB9 L98	Radial-4
'G'	C	LB4 LG4 L69	Radial-4
'H'	P	LG2	Radial-4
'J'	C	LL8 LB6	V-5 (Variable Disp., 5-Cyl.)
'J'	P	LT2 LT3	Radial-4
'L'	C	LL8 LB6	V-5 (Variable Disp., 5-Cyl.)
'M'	C	LY9 LS3	Nippondenso
'N'	P	L68 LT3 LD2	V-5 (Variable Disp., 5-Cyl.)
'P'	P	LR8 L44	V-5 (Variable Disp., 5-Cyl.)
'R'	C	LC5 LC0	Nippondenso
'S'	C	LC9 LW0	Nippondenso
'T'	P	L73	V-5 (Variable Disp., 5-Cyl.)
'W'	P	LB6	V-5 (Variable Disp., 5-Cyl.)
'Y'	C	L98	Nippondenso

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

SPECIFIC COMPONENTS

FUEL TANK CAPACITIES

CARLINE	ENGINE	USABLE FUEL (GAL.)
'A'-Cpe., Sed. & Wag.	2.5L-14 EFI	15.7
	2.8L-V6 MFI	15.7
'B'-Sedan	4.3L-V6 EFI	24.5
	5.0L-V8 Carb.	25.0
'B'-Wagon	5.0L-V8 Carb.	22.0
'F'	2.8L-V6 MFI	15.5
	5.0L-V8 Carb.	
	5.0L-V8 TPI	
	5.7L-V8 TPI	
'G'-Monte Carlo	4.3L-V6 EFI	17.6
	5.0L-V8 Carb.	18.1
'H'	3.8L-V6 SFI	18.0
'J'	2.0L-14 EFI	13.6
	2.8L-V6 MFI	
'L'	2.0L-14 EFI	13.6
	2.8L-V6 MFI	
'M'	1.0L-13 Carb.	8.7
'P'	2.5L-14 EFI	11.9
	2.8L-V6 MFI	
'R'	1.5L-14 Carb.	11.1
'S'	1.6L-14 Carb.	13.2
'T'	1.6L-14	12.2
'Y'	5.7L-V8 TPI	20.0

\* - 22.0 Gallon tank optional.

## EMISSION CONTROL SYSTEMS

### GLOSSARY

<p>AIR - Air Injection Reactor          CCC - Computer Command Control          CHA - Carburetion Hot Air          COA - Carburetion Outside Air          CTS - Cold Trapped Spark          EFE - Exhaust Early Fuel Evaporation          EGR - Exhaust Gas Recirculation          ESC - Electronic Spark Control *</p>	<p>EST - Electronic Spark Timing @          FEC - Fuel Evaporation Control          HEI - High Energy Ignition          IAC - Idle Air Control          OC - Oxidizing Converter          ORC - Oxidizing and Reducing Converter          PCV - Positive Crankcase Ventilation          MAS - Mass Air Flow Sensor</p>
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\* - Detonation control system.

@ - CCC programmed ignition timing.

### APPLICATION

ENGINE	ENGINE USAGE		EMISSION CONTROL		
	MAS FED & CAN	NB2 CALIF	'F'-CAR	'J'-CAR 'L'-CAR	'V'-CAR
2.0 Liter-L4 (121 CID) EFI RPO L18	X	X	-	CCC, CHA, COA, EGR, EST, FEC, IAC, ORC, PCV	-
2.8 Liter-V6 (173 CID) MFI RPO L86	X	X	-	CCC, EGR, EST, FEC, IAC, ORC, PCV, MAS	-
2.8 Liter-V6 (173 CID) MFI RPO L88	X	X	AIR, CCC, EGR, EST, FEC, IAC, ORC, PCV, MAS	-	-
5.0 Liter-V8 (305 CID) 4-Bb1. Q-Jet RPO L64	X	X	AIR, CCC, CHA, COA, EFE, EGR, ESC, FED, ORC/OC, PCV, HEI	-	-
5.0 Liter-V8 (305 CID) TPI RPO L89	X	X	AIR, CCC, EGR, ESC, EST, FEC, HEI, IAC, ORC/OC, PCV, MAS	-	-
5.7 Liter-V8 (350 CID) TPI RPO L98	X	X	-	-	AIR, CCC, EGR, ESC, EST, FEC, HEI, IAC, ORC/OC, PCV, MAS

ENGINE	ENGINE USAGE		EMISSION CONTROL	
	MAS FED & CAN	NB2 CALIF	'B'-CAR	'G'-CAR
4.3 Liter-V6 (262 CID) EFI RPO L84	X	X	AIR, CCC, CHA, EGR, ESC, EST, FEC, IAC, ORC/OC, PCV	AIR, CCC, CHA, EGR, ESC, EST, FEC, IAC, ORC/OC, PCV
5.0 Liter-V8 (305 CID) 4-Bb1. RPO L64	X	X	AIR, CCC, CHA, EFE, EGR, ESC, EST, FEC, ORC/OC, PCV CHA, EFE, EGR, FEC, HEI, OC, PCV	-
5.0 Liter-V8 (305 CID) High Output 4-Bb1. RPO L69	X	X	-	AIR, CCC, CHA, COA, EFE, EGR, ESC, EST, FEC, ORC/OC, PCV
5.0 Liter-V8 (305 CI) 4-Bb1. LV2	X	X	AIR, CCC, CHA, COA, EFE EGR, EST, ORC, OC, PCV, FEC	-
5.7 Liter-V8 (350 CID) 4-Bb1. RPO L81	X	-	AIR, CCC, CHA, COA, EFE, EGR EST, FEC, ORC/OC/PCV/ESC	-

ENGINE	ENGINE USAGE		EMISSION CONTROL
	MAS FED & CAN	NB2 CALIF	'A'-CAR
2.5 Liter-L4 (151 CID) EFI RPO L88	X	X	CCC, COA, EGR, EST, FEC, IAC, ORC, PCV
2.8 Liter-V6 (173 CID) MFI RPO L86	X	X	CCC, EGR, EST, IAC, ORC, PCV, MAS

## EMISSION CONTROL SYSTEMS

### GLOSSARY

- |   |  |
|---|--|
| <p>AIR - Air Injection Reactor<br/>         CCC - Computer Command Control<br/>         CHA - Carburetion Hot Air<br/>         COA - Carburetion Outside Air<br/>         CTS - Cold Trapped Spark<br/>         EFE - Exhaust Early Fuel Evaporation<br/>         EGR - Exhaust Gas Recirculation<br/>         ESC - Electronic Spark Control *</p> | <p>EST - Electronic Spark Timing @<br/>         FEC - Fuel Evaporation Control<br/>         HEI - High Energy Ignition<br/>         IAC - Idle Air Control<br/>         OC - Oxidizing Converter<br/>         ORC - Oxidizing and Reducing Converter<br/>         PCV - Positive Crankcase Ventilation<br/>         MAS - Mass Air Flow Sensor</p> |
|---|--|
- \* - Detonation control system.      @ - CCC programmed ignition timing.

### APPLICATION

ENGINE	ENGINE USAGE		EMISSION CONTROL		
	MAS FED & CAM	NB2 CALIF.	'F'-CAR	'J'-CAR 'I'-CAR	'Y'-CAR
2.0 Liter-L4 (121 CID) EFI RPO LB8	X	X		CCC, CHA, COA, EGR, EST, FEC, IAC, ORC, PCV	
2.8 Liter-V6 (173 CID) MFI RPO LB6	X	X		CCC, EGR, EST, FEC, IAC, ORC, PCV, MAS	
2.8 Liter-V6 (173 CID) MFI RPO LB8	X	X	AIR, CCC, EGR, EST, FEC, IAC, ORC, PCV, MAS		
5.0 Liter-V8 (305 CID) 4-Bb1. Q-Jet RPO LG4	X	X	AIR, CCC, CHA, COA, EFE, EGR, ESC, FED, ORC/OC, PCV, HEI		
5.0 Liter-V8 (305 CID) TPI RPO LB9	X	X	AIR, CCC, EGR, ESC, EST, FEC, HEI, IAC, ORC/OC, PCV, MAS		
5.7 Liter-V8 (350 CID) TPI RPO L98	X	X			AIR, CCC, EGR, ESC, EST, FEC, HEI, IAC, ORC/OC, PCV, MAS

ENGINE	ENGINE USAGE		EMISSION CONTROL	
	MAS FED & CAM	NB2 CALIF.	'B'-CAR	'G'-CAR
4.3 Liter-V6 (262 CID) EFI RPO LB4	X	X	AIR, CCC, CHA, EGR, ESC, EST, FEC, IAC, ORC/OC, PCV	AIR, CCC, CHA, EGR, ESC, EST, FEC, IAC, ORC/OC, PCV
5.0 Liter-V8 (305 CID) 4-Bb1. RPO LG4	X	X	AIR, CCC, CHA, EFE, EGR, ESC, EST, FEC, ORC/OC, PCV CHA, EFE, EGR, FEC, HEI, OC, PCV	
5.0 Liter-V8 (305 CID) High Output 4-Bb1. RPO LG9	X	X		AIR, CCC, CHA, COA, EFE, EGR, ESC, EST, FEC, ORC/OC, PCV
5.0 Liter-V8 (305 CI) 4-Bb1. LV2	X	X	AIR, CCC, CHA, COA, EFE EGR, EST, ORC, OC, PCV, FEC	
5.7 Liter-V8 (350 CID) 4-Bb1. RPO LH1	X		AIR, CCC, CHA, COA, EFE, EGR EST, FEC, ORC/OC/PCV/ESC	

ENGINE	ENGINE USAGE		EMISSION CONTROL
	MAS FED & CAM	NB2 CALIF.	'A'-CAR
2.5 Liter-L4 (157 CID) EFI RPO LB8	X	X	CCC, COA, EGR, EST, FEC, IAC, ORC, PCV
2.8 Liter-V6 (173 CID) MFI RPO LB6	X	X	CCC, EGR, EST, IAC, ORC, PCV, MAS

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS  
ENGINES

CCC SYSTEM APPLICATIONS

SENSORS AND INPUT SIGNALS

SENSOR OR INPUT SIGNAL	L-3	L-3	L-4	L-4	L-4	L-4	L-4	L-4	L-4	L-4	L-4	L-4
	1.0 LY9	1.0 LS3	1.5 LO5	1.5 LC0	1.6 LC9	1.6 LW0	1.6 L73	2.0 LL8	2.0 LT2	2.0 LT3	2.5 L68	2.5 LR8
A/C ON			X	X		X	X	X	X	X	X	X
BAROMETRIC PRESSURE	X							X	X	X		
BATTERY VOLTAGE		X			X	X		X			X	
COOLANT TEMPERATURE	X	X	X	X	X	X	X	X	X	X	X	X
ENGINE CRANKING		X			X			X	X	X		
ENGINE RPM	X	X	X	X	X	X	X	X	X	X	X	X
EXHAUST OXYGEN INJECTOR VOLTAGE (IGN VOLTAGE)	X	X			X	X	X	X	X	X	X	X
INLET MANIFOLD VACUUM						X						
INTERNAL CLOCK	X	X					X	X			X	X
MANIFOLD ABSOLUTE PRESSURE							X	X	X	X	X	X
MANIFOLD AIR TEMPERATURE	X	X			X			X	X	X	X	X
MASS AIR FLOW SENSOR		X			X							
PARK/NEUTRAL *					X		X	X			X	X
THROTTLE POSITION	X	X	X	X	X		X	X	X	X	X	X
TRANSMISSION GEAR *							X	X	X	X	X	X
VEHICLE SPEED	X		X	X	X		X	X	X	X	X	X
A/C HEAD PRESSURE											X	X
CRANKSHAFT POSITION					X			X	X	X	X	X
BRAKES APPLIED			X	X	X			X	X	X	X	X
POWER STRG PRESSURE								X	X	X	X	X

(\*) - WITH AUTOMATIC TRANSMISSION ONLY

1988 PASSENGER CAR  
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CCC SYSTEM APPLICATIONS

SENSORS AND INPUT SIGNALS

SENSOR OR INPUT SIGNAL	V-6	V-6	V-6	V-8	V-8	V-8	V-8	V-8	V-8
	2.8	2.8	4.3	5.0	5.0	5.0	5.0	5.7	5.7
	LB6	LB8	LB4	LG4	L69	LB9	LV2	LM1	L98
A/C ON	X	X	X			X	X		X
BAROMETRIC PRESSURE			X	X	X		X	X	
BATTERY VOLTAGE	X	X	X			X			X
COOLANT TEMPERATURE	X	X	X	X	X	X	X	X	X
ENGINE CRANKING			X						
ENGINE RPM	X	X	X	X	X	X	X	X	X
EXHAUST OXYGEN	X	X	X	X	X	X	X	X	X
INJECTOR VOLTAGE (IGN VOLTAGE)	X	X	X			X			X
INLET MANIFOLD VACUUM				X	X		X	X	
INTERNAL CLOCK	X	X	X	X	X	X	X	X	X
MANIFOLD ABSOLUTE PRESSURE			X						
MANIFOLD AIR TEMPERATURE	X	X				X			X
MASS AIR FLOW SENSOR	X	X				X			X
PARK/NEUTRAL *	X	X	X	X	X	X	X	X	X
THROTTLE POSITION	X	X	X	X	X	X	X	X	X
TRANSMISSION GEAR *	X	X	X	X	X	X	X	X	X
VEHICLE SPEED	X	X	X	X	X	X	X	X	X
A/C HEAD PRESSURE	X	X				X			X
CRANKSHAFT POSITION			X	X		X		X	X
BRAKES APPLIED			X	X		X		X	X
POWER STRG PRESSURE									

(\*) - WITH AUTOMATIC TRANSMISSION ONLY

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ENGINES

CCC SYSTEM APPLICATIONS

SYSTEMS CONTROLLED

	L-3	L-3	L-4	L-4	L-4	L-4	L-4	L-4	L-4	L-4	L-4	L-4
SYSTEMS CONTROLLED	1.0	1.0	1.5	1.5	1.6	1.6	1.6	2.0	2.0	2.0	2.5	
	LY9	LS3	LC5	LC0	LC9	LW0	L73	LL8	LT2	LT3	LR8	
A/C CLUTCH CONTROL							X	X			X	
FUEL MIXTURE CONTROL	X	X	X	X		X	X	X	X	X	X	X
AIR MANAGEMENT SYSTEM	X				X							
COOLING FAN CONTROL			X	X			X	X				X
EGR SYSTEM	X	X									X	
IAC (IDLE AIR CONTROL)	X	X	X	X		X	X	X	X	X	X	X
ELECTRONIC SPARK TIMING (EST)	-					X	X	X				X
ELECTRONIC SPARK CONTROL (ESC)									X	X		
FUEL METERING				X				X				X
TRANSMISSION (*) CONVERTER CLUTCH							X	X	X	X	X	X
DECEL THROTTLE KICKER												
SHIFT LIGHT (S)	X						X	X	X			X
PURGE CONTROL		X			X							
BOOST				X							X	

\* - WITH AUTOMATIC TRANSMISSION ONLY  
S - WITH MANUAL TRANSMISSION ONLY

1988 PASSENGER CAR  
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CCC SYSTEM APPLICATIONS

SYSTEMS CONTROLLED

SYSTEMS CONTROLLED	V-6	V-6	V-6	V-8	V-8	V-8	V-8	V-8	V-8
	2.8 LB6	2.8 LB8	4.3 LB4	5.0 LG4	5.0 L69	5.0 LB9	5.0 LV2	5.7 LM1	5.7 L98
A/C CLUTCH CONTROL	X	X				X	X		X
FUEL MIXTURE CONTROL	X	X	X	X	X	X	X	X	X
AIR MANAGEMENT SYSTEM		X\$	X	X	X	X	X	X	X
COOLING FAN CONTROL	X	X				X			X
EGR SYSTEM	X	X	X	X	X	X	X	X	X
IAC (IDLE AIR CONTROL)	X	X	X			X			X
ELECTRONIC SPARK TIMING (EST)	X	X	X	X	X	X	X	X	X
ELECTRONIC SPARK CONTROL (ESC)			X	X	X	X		X	X
FUEL METERING	X	X	X	X	X	X	X	X	X
TRANSMISSION (*) CONVERTER CLUTCH	X	X	X	X	X	X	X	X	X
DECEL THROTTLE KICKER				X	X		X	X	
SHIFT LIGHT (\$)				X	X	X			X
PURGE CONTROL	X	X	X	X	X	X	X	X	X
BOOST									

\* - WITH AUTOMATIC TRANSMISSION ONLY  
\$ - WITH MANUAL TRANSMISSION ONLY



1988 PASSENGER CAR  
POWER TRAIN COMPONENTS  
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CCC SYSTEM SENSORS AND INPUT SIGNALS DEFINITIONS

- A/C ON - signal is used by the ECM to adjust the engine idle speed to compensate for the increased engine load.
- BAROMETRIC PRESSURE - provides information to the ECM for ambient pressure compensation of the controlled functions.
- BATTERY VOLTAGE - provides information to the ECM to allow for voltage variation of the controlled function. It also is used by the ECM to adjust the engine idle speed to ensure the battery is being charged.
- BRAKES APPLIED SWITCH - interrupts signal to converter clutch solenoid when the brake pedal is depressed and disengages clutch.
- COOLANT TEMPERATURE - provides signal to ECM when coolant reaches a specific temperature, and is used in controlling various engine functions.
- ENGINE CRANKING - provides a signal to the ECM when the engine is cranking. The signal is used to calculate the appropriate volume of fuel to yield the desired A/F ratio while the engine is being cranked.
- ENGINE DETONATION - The electronic spark control knock sensor is a vibration sensor mounted on the engine that provides a signal to the ECM when engine detonation occurs.
- ENGINE RPM - provides engine speed signals to the ECM for control of idle speed, ignition timing, canister purge and injector timing. This signal is generated as a function of time between pulses from the HEI distributor.
- EXHAUST OXYGEN - generates a voltage which varies with the oxygen content in the exhaust gas and is used by the ECM to help determine the adjustment needed to provide the near stoichiometric A/F ratio required for most operating conditions.
- INJECTOR VOLTAGE - provides information to the ECM to allow for voltage compensation of the controlled functions.

CCC SYSTEM SENSORS AND INPUT SIGNALS DEFINITIONS - Continued

- INLET MANIFOLD VACUUM - provides information to the ECM for manifold pressure load compensation of the fuel air ratio, engine idle speed, spark timing and EGR vacuum signal.
- MANIFOLD ABSOLUTE PRESSURE - provides information to the ECM for manifold pressure load compensation of the controlled functions.
- THROTTLE POSITION - provides throttle position signals to the ECM for control of fuel injection, A/F ratio, idle speed, canister purge, transmission converter clutch, EGR vacuum signal, air door, idle air and AIR control.
- TIME - Time is generated by the ECM internal microprocessor clock. The signal is sent to purge the fuel evaporation system canister only after the engine has operated a specified time. Vehicle speed and engine RPM are also determined by the ECM using this time signal to measure the time between pulses of the speedometer optical sensor and the pulse width from the HEI.
- TRANSMISSION GEAR - indicates the transmission gear selected and is used for control of engine idle speed and transmission converter clutch engagement.
- VEHICLE SPEED - provides vehicle speed information to the ECM for control of idle speed and transmission converter clutch engagement and control canister purge of the fuel evaporation system. This signal is generated by an optical sensor in the speedometer head.
- PARK/NEUTRAL SWITCH - indicates when the automatic transmission gear selector is in the park/neutral position or in a drive gear position and adjusts engine idle speed and spark timing accordingly.
- MASS AIR FLOW - Functions by measuring the electrical power required to maintain the sensing element at a specific number of degrees centigrade above the incoming air temperature. As air enters the air sample tube it passes over and cools the sensing element which then requires additional current to maintain the prescribed uniform temperature.

CCC CONTROLLED SYSTEMS DEFINITIONS

- A/C CLUTCH CONTROL - used to control the air conditioner clutch. The ECM monitors engine speed, engine load, and vehicle speed to determine if the ECM output signal should be generated.
- AIR MANAGEMENT SYSTEM - directs air from the AIR pump to either the exhaust ports or exhaust manifold during engine warm-up when additional air is needed for control of HC and CO emissions, then to the converter after engine warm-up when additional air is needed for oxidation. Air is directed to the air cleaner or to an external silencer during engine overrun and other conditions when additional air is not needed in the manifold area or the converter. The ECM monitors exhaust oxygen, coolant temperature, throttle position, engine RPM and time to determine the proper mode of AIR control.
- COOLING FAN CONTROL - is used to control the cooling fan relay. The ECM monitors vehicle speed and coolant temperature to determine when the ECM output signal should be generated.
- EGR SYSTEM - controls NOx emissions by recycling exhaust gases through the combustion cycle. The ECM monitors coolant temperature, throttle position, manifold pressure and engine RPM's and generates the proper signals to admit exhaust gases into the intake manifold in response to specific operating conditions.
- IDLE AIR CONTROL (IAC) - controls engine idle speeds using a stepper motor to position a tapered pintle in an orifice to vary the amount of air that passes the throttle valve. The ECM monitors coolant temperature, throttle position, manifold pressure, vehicle speed, engine RPM, A/C compressor engagement and engine cranking and generates the appropriate signal to the stepper motor.
- ELECTRONIC SPARK TIMING (EST) - optimizes spark timing for better control of exhaust emissions and for fuel economy improvements. The ECM monitors engine load, RPM's and coolant temperature, and supplies signals to the distributor to change spark timing.
- ELECTRONIC SPARK CONTROL (ESC) - In addition to EST System a detonation sensor and analogue controller are added to provide the CCC on-board computer with data needed to retard the spark when detonation occurs. This permits programming an EST curve with added spark advance resulting in improved operational efficiency.

CCC CONTROLLED SYSTEMS DEFINITIONS - Continued

FUEL MIXTURE CONTROL - Adjusts fuel metering to yield a near stoichiometric fuel-air mixture assuring engine operational compatibility with the emission requirements, optimum fuel economy and overall vehicle performance.

CARBURETOR FUEL METERING - Computer controlled, solenoid operated (electromechanical) system which regulates the main fuel metering rod to accurately control fuel delivery so as to maintain a near stoichiometric fuel-air ratio.

THROTTLE BODY INJECTOR CONTROL - "Electronic Fuel Injection" (EFI) fuel is introduced into the air stream through solenoid ball and seat type electronic fuel injectors located in the throttle body above the throttle blades. The fuel delivery strategy is based on a speed-density calculation where the appropriate volume (pulse width) of fuel is calculated to yield a desired air-fuel ratio for each particular operating condition. The ECM monitors signals from coolant temperature sensor, manifold vacuum, exhaust oxygen sensor, throttle position sensor and engine cranking sensor and grounds the injectors to release the required amount of fuel.

PORT FUEL INJECTION - "2.8 Multi-Port FI" (MFI) and "Tuned Port Fuel Injection" (TPI). Fuel is introduced through pintle type injectors at the individual intake ports where it is mixed with the incoming air. The fuel delivery is scheduled based on mass air flow measurements and ECM calculations to yield a desired air/fuel ratio for each particular operating condition. These ECM calculations are dependent on signals provided by temperature sensors, throttle position sensors and oxygen sensors. To provide air/fuel ratios which assure engine operational compatibility with emissions requirements, optimum fuel economy, overall vehicle performance.

TRANSMISSION CONVERTER CLUTCH SYSTEM - engages and disengages the transmission converter clutch during the various driving modes. The ECM monitors coolant temperature, throttle position, vehicle speed, transmission gear selection, A/C compressor engagement and time to determine if the transmission converter clutch should be engaged or disengaged.

DECEL THROTTLE KICKER SOLENOID - holds throttle blades open a predetermined amount when accelerator is suddenly released to prevent rapid evaporation of the fuel in the manifold and the richer than desired air/fuel ratio from entering the engine and catalytic converter on deceleration.



TRANSMISSIONS CLUTCHES AND A

TRANSMISSION RPO AVAILABILITY COMPARISON

1987   1988

Manual 4-Speed

MK2	MK2	2.88:1 First Gear Ratio - Automatic Overdrive (0.68 O.D.)
MH5	MH5	2.88:1 First Gear Ratio - Automatic Overdrive (0.60 O.D.)
M19	-	3.53:1 First Gear Ratio, Transverse
MY1	-	3.75:1 First Gear Ratio

Manual 5-Speed

M39	M39	2.95:1 First Gear Ratio
MK6	MK6	2.95:1 First Gear Ratio
MG1	MG1	3.50:1 First Gear Ratio, Transverse
MG2	MG2	3.50:1 First Gear Ratio, Transverse
MR3	MR3	3.73:1 First Gear Ratio, Transverse
MT2	MT2	3.73:1 First Gear Ratio, Transverse
MB4	-	3.76:1 First Gear Ratio
MK7	MK7	3.91:1 First Gear Ratio, Transverse
MB1	MB1	4.03:1 First Gear Ratio

MANUAL 6-SPEED

-	ML9	2.68 First Gear Ratio (0.50 O.D.)
---	-----	-----------------------------------

Automatic 3-Speed

MD9	MD9	'125c', Converter Clutch, Transverse
MD2	-	'180c', Converter Clutch
MV9	-	'200c', Converter Clutch

Automatic 4-Speed

MW9	MW9	'200-4R', Converter Clutch and Overdrive
ME9	ME9	'440-T4', Converter Clutch and Overdrive, Transverse
MD8	MD8	'700-R4', Converter Clutch and Overdrive

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

TRANSMISSIONS

MANUAL 4-SPEED

RPO MAKE CASE MATERIAL	MH5 DOUG-NASH ALUMINUM		MK2 DOUG NASH ALUMINUM	
		0.60:1 O.D. RATIO		0.68:1 O.D. RATIO
RATIO (:1)				
1st Gear	2.88		2.88	
2nd Gear	1.91	1.15	1.91	1.30
3rd Gear	1.34	0.80	1.34	0.91
4th Gear	1.00	0.60	1.00	0.68
Reverse	2.78		2.78	
SHAFTS CENTER DISTANCE	83mm (3.25")		83mm (3.25")	
CLUTCH PLATE DIAMETER	273mm (10.75")		273mm (10.75")	

MANUAL 6-SPEED

RPO MAKE CASE MATERIAL	ML9 Z-F ALUMINUM
RATIO (:1)	
1st Gear	2.68
2nd Gear	1.80
3rd Gear	1.30
4th Gear	1.00
5th Gear	0.75
6th Gear	0.50
Reverse	2.50
SHAFTS CENTER DISTANCE	90 mm (3.55")
CLUTCH PLATE DIAMETER	280 mm (11.02")

1988 PASSENGER CAR  
POWER TRAIN COMPONENTS:

TRANSMISSIONS

MANUAL 5-SPEED

RPO MAKE CASE MATERIAL DESIGNATION	MB1 BORG WARNER ALUMINUM	MK7 ISUZU ALUMINUM	MR3 ISUZU ALUMINUM	MT2 ISUZU ALUMINUM
RATIO (:1)				
1st Gear	4.03	3.91	3.73	3.73
2nd Gear	2.37	2.15	2.15	2.04
3rd Gear	1.50	1.45	1.33	1.45
4th Gear	1.00	1.03	1.03	1.03
5th Gear	0.76	0.74	0.74	0.74
Reverse	3.76	3.58	3.50	3.58
SHAFTS CENTER DISTANCE	77mm (3.03")	76mm (3.0")	76mm (3.0")	76mm (3.0")
CLUTCH PLATE DIAMETER	232mm (9.12")	203.2mm (8.0")	203.2mm (8.0")	203mm (8.0")

RPO MAKE CASE MATERIAL DESIGNATION	MG1 MUNCIE ALUMINUM MG282	MG2 MUNCIE ALUMINUM MG282	M39 BORG-WARNER ALUMINUM	MK6 BORG-WARNER ALUMINUM
RATIO (:1)				
1st Gear	3.50	3.50	2.95	2.95
2nd Gear	2.19	2.05	1.94	1.94
3rd Gear	1.38	1.38	1.34	1.34
4th Gear	0.94	0.94	1.00	1.00
5th Gear	0.72	0.72	0.63	0.73
Reverse	3.41	3.41	2.76	2.76
SHAFTS CENTER DISTANCE	76mm (3.0")	76mm (3.0")	77mm (3.03")	77mm (3.03")
CLUTCH PLATE DIAMETER	232mm (9.12")	232mm (9.12")	254mm (10.0")	254mm (10.0")



1988 PASSENGER CAR  
POWER TRAIN COMPONENTS

TRANSMISSIONS

AUTOMATIC 3-SPEED

DESIGNATION	'125c'
RPO	MD9
MAKE	HYDRAMATIC
CASE MATERIAL	ALUMINUM
RATIO (:1)	
1st Gear	2.84
2nd Gear	1.60
3rd Gear	1.00*
Reverse	2.07
CONVERTER	245mm
DIAMETER	(9.65")

\* - Converter clutch engagement.

AUTOMATIC 4-SPEED

DESIGNATION	'200-4R'	'440-T4'	'700-R4'
RPO	MW9	ME9	MD8
MAKE	HYDRAMATIC	HYDRAMATIC	CHEV. TOLEDO
CASE MATERIAL	ALUMINUM	ALUMINUM	ALUMINUM
RATIO (:1)			
1st Gear	2.74	2.92	3.06
2nd Gear	1.57	1.56	1.63*
3rd Gear	1.00*	1.00*	1.00*
4th Gear	0.67*	0.70*	0.70*
Reverse	2.07	2.38	2.29
CONVERTER			298mm (11.75")
DIAMETER	298mm (11.75")	245mm (9.65")	with 'F' V-8, Y & B
			245mm (9.65")
			with 'F' (V6)

\* - Converter clutch engagement.

1988 PASSENGER CAR  
POWER TRAIN COMPONENT

REAR WHEEL DRIVE AXLES •

RWD			
RPO	AXLE RATIO (:1)	RING GEAR SIZE MM (IN.)	USE (CAR LINE)
GU1	2.41	191 (7-1/2)	G
GM1	2.59	200 (7-7/8)	Y
GM8	2.56	191 (7-1/2)	B
		216 (8-1/2)	B
GU2	2.73	194 (7-5/8)	F
		200 (7-7/8)	Y
		216 (8-1/2)	B
GW9	2.93	194 (7-5/8)	B
G44	3.07	200 (7-7/8)	Y
		216 (8-1/2)	Y
GU4	3.08	191 (7-1/2)	G
		216 (8-1/2)	B
		194 (7-5/8)	F
GU5	3.23	194 (7-5/8)	F
		251 (8-1/2)	B
GW6	3.27	194 (7-3/4)	F
GU6	3.42	194 (7-5/8)	F
		216 (8-1/2)	B
GM3	3.45	197 (7-3/4)	F
GT4	3.73	194 (7-5/8)	G

FRONT WHEEL DRIVE AXLES

AUTOMATIC TRANSAXLE					
RPO	AXLE RATIO*	SPROCKET TEETH	CHAIN DRIVE RATIO (:1)	DIFFERENTIAL DRIVE RATIO (:1)	USE CAR (LINE)
F16	2.53	35 : 35	1.00	2.53	N
F17	2.84	35 : 35	1.00	2.84	A,N,P,H,J
F75	3.18	33 : 37	1.12	2.84	J,L,N
GX3	3.33	35 : 35	1.00	3.33	A,P,W,N

\*AXLE RATIO = CHAIN DRIVE RATIO X DIFFERENTIAL DRIVE RATIO

MANUAL TRANSAXLE		
RPO	AXLE RATIO	USE CAR (LINE)
FX4	3.35	N,P
F68	3.45	J
FX8	3.61	A,J,L,N,P,W
FW7	3.83	L



# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

# 1988

<b>Manufacturer</b>	Chevrolet Motor Division General Motors Corporation	<b>Vehicle Line</b>	
<b>Mailing Address</b>	Chevrolet-Pontiac-Canada Group Engineering Center General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060	CORVETTE	
		<b>Issued</b>	<b>Revised</b>
		June, 1987	September, 1987

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the 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 or incurring obligation by the manufacturer.



Motor Vehicle Manufacturers Association  
of the United States, Inc.

Blank Forms Provided by Technical Affairs Division

# MVMA Specifications Form

METRIC (U.S. Customary)

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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 compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CORVETTE  
Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

## Vehicle Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
CORVETTE		MODEL NUMBER	FRONT	
2-Door Hatchback Coupe		1YY07	2	45.4 (100)
2-Door Convertible		1YY67	2	45.5 (100)

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

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (\*) 9-87

**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 S/D	TRANSMISSION/ TRANSAXLE	Drive Ratios (:1)			
	Displ. Liters (in <sup>3</sup> )	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM				Overall Veh. Base Drive	Overall Veh. Opt. Drive	Axle Ratio	
				Power kW (bhp)	Torque N·m (lb. ft.)						
Base - All States Coupe	V8 5.7 Liter (350 CID) L98	TPI @	9.5:1	245 @ 4300	340 @ 3200	D	*Man. 4-Spd. (2.88 Low) Base (MH5)	3.07%	1.84	--	--
				(1)	(2)		*Man. 4-Spd. (2.88 low) - Opt. (MK2)	3.07%	2.09	--	--
Base-All States Convertible				240 @ 4000	335 @ 3200		*Man. 4-Spd. (2.88 low) Base (MH5)	2.59\$	1.81	3.07\$&	2.15
							*Man. 4-Spd. (2.88 low) - Opt. (MK2)	2.73\$	1.91	3.07\$+	2.15
@ - 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 + - Not available with base radio (UU8) (1) H.P. 240 @ 4000 with 2.59 axle 245 @ 4300 with 3.07 axle (2) Torque 335 @ 3200 with 2.59 axle 340 @ 3200 with 3.07 axle											

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (●) 9-87

**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.)	90°V Front Longitudinal	
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.) (machined)	Cast alloy iron 64.750 (142.7)	
Cylinder block deck height	229.2 (9.025)	
Cylinder block length	506.2 (19.93)	
Deck clearance (minimum) - (above or below block)	.025 below	
Cylinder head material & mass kg (lbs.)	Aluminum 9.979 (22.0)	
Cylinder head volume (cm <sup>3</sup> )	--	
Cylinder liner material	Not Applicable	
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 (lbs.)]**	Cast aluminum 6.700 (14.77)	
Exhaust manifold material & mass [kg (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	91	
Total dressed engine mass (wt) dry***	245.5 (541.2) auto., 268.6 (592.2) manual	

## Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Impacted cast aluminum, .597 (1.3)
--	------------------------------------

## Engine - Camshaft

Location	In cylinder block "V" above crankshaft	
Material & mass kg (weight, lbs.)	Steel, 4.200 (9.3)	
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.

\*\* Finished state.

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

All those items necessary to make the engine a complete ready-to-run unit.

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



# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (●) \_\_\_\_\_

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

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5.7 Liter V8 (350 CID)  
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 RPO L98

## Engine - Valve System

Hydraulic lifters (std., opt., NA)		Standard
Valves	Number intake / exhaust	8/8
	Head O.D. intake / exhaust	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	
Length & number of main bearings	5	
Seal (material, one, two piece design, etc.)	Front	Fluroelastomer/one piece, lip seal
	Rear	Fluroelastomer/one piece, lip seal

## 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	Applicable
	Opening pressure [kPa (psi)]	--
Pre-chamber design	--	
Fuel injection pump	Manufacturer	--
	Type	--
Fuel injection pump drive (belt, chain, gear)	--	
Supplementary vacuum source (type)	--	
Fuel heater (yes/no)	--	
Water separator, description (std., opt.)	--	
Turbo manufacturer	--	
Oil cooler-type (oil to engine coolant; oil to ambient air)	--	
Oil filter	--	

## Engine - Intake System

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

\*Finished State

⊗ 1988 Format Change

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) 9-87

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	Steel
Housing material	Cast Iron	
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)	No	
Radiator core	Std., A/C, HD	A/C, Standard
	Type (cross-flow, etc.)	Cross-flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass (kg (wgt, lbs.))	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	Plastic	
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	

@ - Distance between top of fins

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

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (●) \_\_\_\_\_

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

Engine Description/Carb.  
 Engine Code

5.7 Lter 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	
Manufacturer		Bosch	
Carburetor	Choke (type)	None	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	"
		Automatic	"
Idle A/F mix.		Preset - no adjustment provided	
Fuel injection	Point of injection (no.)	Fuel Injectors at inlet ports	
	Constant, pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic - on board computer	
	System pressure [kPa (psi)]		
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 liner (*)	
Filler 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		--	

(\*) - 13.600 kg. (30.0 lbs.)

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

**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.038)
	Main o.d., wall thickness	76.2 x 1.83 (3.0 x .072)
	Material & Mass [kg (weight lbs)]	Stainless steel tubing (*)
Intermediate 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.

(\*\*) - Muffler & tail pipe unit L.H. 6.565 (14.5)  
 R.H. 6.565 (14.5)

# MVMA Specifications Form

Vehicle Line CORVETTE  
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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

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	Standard
Manual 5-speed (manufacturer/country)	Not Available
Automatic (manufacturer/country)	Standard
Automatic overdrive (manufacturer/country)	Standard

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

Number of forward speeds	4 in direct drive, 3 in overdrive*	
Gear ratios	1st	2.88
	2nd	1.91 direct; overdrive MH5-1.15; MK2-1.30
	3rd	1.34 direct; overdrive MH5-0.80; MK2-0.91
	4th	1.00 direct; overdrive MH5-0.60; MK2-0.68
	5th	--
	Reverse	2.78
Synchronous meshing (specify gears)	All Forward	
Shift lever location	Floor	
Trans. case mat'l. & mass kg (lbs)*	Aluminum	
Lubricant	Capacity [L (pt.)]	1.0L (2.1), 1.63L (3.45) for overdrive unit
	Type recommended	80 wt. for T10, ATF overdrive unit

### ⊗ Clutch (Manual Transmission)

Clutch manufacturer	Borg & Beck	
Clutch type (dry, wet; single, multiple disc)	Hydraulically activated slave cylinder	
Linkage (hydraulic, cable, rod, lever, other)	Automatic adjustment	
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	Not Available
	Released	" "
Assist (spring, power/percent, nominal)	No	
Type pressure plate springs	Bellville	
Total spring load (nominal, new) N (lbs)	10,230 (2300)	
Clutch facing	Facing mfr. & material coding	Valeo, F-202
	Facing material & construction	Non-Asbestos
	Rivets per facing	32
	Outside x inside dia. (nominal)	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 (pressure plate side/fly wheel side)	7.75 (0.305)
	Rivet depth (pressure plate side/fly wheel side)	Not Available
Engagement cushion method	Driven plate, cushion springs	
Release bearing type & method lub.	Ball thrust - prepacked and sealed	
Torsional damping method, springs, hysteresis	Coil springs and metal-to-metal friction	

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

⊗ 1988 Format Change \* - Planetary gear set overdrive by on-board computer.

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (\*) \_\_\_\_\_

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

Engine Description/Carb.  
 Engine Code

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	1st	3.06
	2nd	1.63@
	3rd	1.00@
	4th	0.70@
	Reverse	2.29
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. kickdown 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
Transmission case material & mass kg (lbs)*		Aluminum

@ - 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 (shim, other)		Shim	
Pinion / differential (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)	100 (7-3/8)	216 (8-1/2)
Transaxle	Transfer gear ratio	--		
	Final drive ratio	--		

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

Ø 1988 Format Change

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (●) \_\_\_\_\_

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

Engine Description/Carb.  
 Engine Code

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

## Propeller Shaft – Rear Wheel Drive

Manufacturer 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 overdrive	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-Z51) & Power Seat
	Intermediate 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 trunnion, 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)		Driveline Beam		

\* 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

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

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

Body Type And/Or  
 Engine Displacement

2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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## Suspension - General

Car leveling	Std./opt./n.a.	Not Available
	Type (air, hyd., etc.)	--
	Manual/auto. controlled	--
Provision for brake dip control		Frnt 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 bags; optional gas press
	Make	Base-Delco; Opt -Bilstein
	Piston diameter	Front: Base-25.0mm 751, 752, FG3: 36mm
	Rod diameter	Base-12.4mm 751, 752, FG3: 11.0mm

## Suspension - Front

Type and description		Independent SLA. Forged aluminum upper and lower control arms and steering knuckle, transverse monoleaf spring and steel stabilizer, spindle offset.
Travel	Full jounce	92.0 mm
	Full rebound	95.0 mm
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 110.0 x 13.22 std. & 752 14.3-751 (45.7 x 3.9 x 0.52 std. & 752) (0.56-751)
	Spring rate [N/mm (lb./in.)]	Base, 752, Conv. - 90.0 751 - 110.0
Rate at wheel [N/mm (lb./in.)]		Base & 752 & 1YY67 = 24.64 Nmm 751 - 27.98 Nmm
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel; 26mm (0.9") dia. = std. & 752 30mm (1.2") dia. = 751

## 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-jointed driveshafts, alumn. except with Automatic.
Travel	Full jounce	All - 89.0mm
	Full rebound	Base & Conv. - 76.0mm 751 & 752 - 71.0mm
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 40.0 (233.0), 751-57.8 (330.0) 752 - 40.0 Conv. - 40.0
	Rate at wheel [N/mm (lb./in.)]	Base 26.36 (130.2), 751-35.68 (173.6) Conv. - 26.36
	Insulators (type & material)	Dual rubber polyisoprene
If leaf	No. of leaves	Monoleaf
	Shackle (comp. or tens.)	Tension
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel; base & 752 - 19mm solid 751 - 24.0mm solid
Track bar (type)		None painted to protect against corrosion



# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

## METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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### Brakes - Service

Description		Aluminum caliper with nodular iron reaction bracket; pad reaction thru bracket.	
Manufacturer and 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-lock device type (std., opt., n.a.) (F/R)		Electronic 4-wheel, 3 channel (standard)	
Effective area [cm <sup>2</sup> (in. <sup>2</sup> )]*		Front 174.0 (27.0), Rear 117.9 (18.3) (Standard)	
Gross lining area [cm <sup>2</sup> (in. <sup>2</sup> )]** (F/R)		Front 174.0 (27.0), Rear 117.9 (18.3) (Standard)	
Swept area [cm <sup>2</sup> (in. <sup>2</sup> )]*** (F/R)		Front 622 (96.4), Rear 565 (87.5) (Standard)	
Rotor - 251	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), 39mm(1.5) Du. pist/40.5(1.6)sg pist	
Master cylinder	Bore/stroke	F/R 21.9 (0.862)/12.5 (0.49), 21.9 (0.862)/12.5 (0.49)	
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		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 (Standard)
		Size Secondary or in-board	112 x 39.6 x 8.6 (Standard)
	Shoe thickness (no lining)	5.6 mm (0.22) Backing Plate (Standard)	
	Rear wheel	Bonded or riveted (rivets/seg.)	Integral Molded
		Manufacturer	Japan Brake Industries
		Lining Code*****	CP26/B11
		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.

- 251 Includes heavy duty braking system.

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (•) \_\_\_\_\_

METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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## Tires And Wheels (Standard)

Tires	Size (load range, ply)	P255/50ZR-16 B/W - Base		
	Type (bias, radial, steel, nylon, 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)	497 - Base, 505 - Z51 & Z52		
Wheels	Type & material	Left-Right alum alloy road wheels with specific vent design		
	Rim (size & flange type)	16 x 8.5 Front, 16 x 8.5 Rear		
	Wheel offset	50mm (1.97")		
	Attachment	Type (bolt or stud)	Stud	
Circle diameter		120.7 (4.75)		
Number & size		5 Hex nuts, one anti-theft; M12 x 1.5-6H		
Spare	Tire and wheel (same size, 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)

Tire size (load range, ply)	P275/45Z R40-17" = Z51 & Z52
Type (bias, radial, steel, nylon, etc.)	*High speed steel belted radial Eagle VR50 (Goodyear)
Wheel (type & material)	*Left-right alum alloy road wheels w/ specific vent design
Rim (size, flange type and offset)	17 x 9.5/56mm offset
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (size)	
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	T155/70D17 (17 x 4 wheel)

## Brakes - Parking

Type of control	Grip handle control	
Location of control	Below the top of door sill, at the driver's left	
Operates on	Integral rear caliper	
If separate from service brakes	Type (internal or external)	Not Applicable
	Drum diameter	" "
	Lining size (length x width x thickness)	" "

# MVMA Specifications Form

Vehicle Line CORVETTE  
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**METRIC (U.S. Customary)**

Body Type And/Or  
 Engine Displacement

2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
------------------------------------	--------------------------------

## Steering

Manual (std., opt., n.a.)		Not Available		
Power (std., opt., n.a.)		Standard		
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt and Telescopic		
	Manufacturer	Saginaw Steering Gear		
	(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.)	11.39 ( ) Base, 12.28 ( ) 751 & 752	
		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	
		Manufacturer	--	
		Ratios	Overall --	
	No. wheel turns (stop to stop)		--	
Power	Type (coaxial, linkage, etc.)		Alloy Rack and Pinion	
	Manufacturer		Saginaw Steering Gear; lt. wt. transverse compact pump	
	Gear	Type	End Take-Off	
		Ratios	Overall --	
	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/hub	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 wheel centerline and kingpin (ball joint) axis at ground.

\*\*See Page 21.

# MVMA Specifications Form

Vehicle Line - **CORVETTE**  
 Model Year **1988** Issued **6-87** Revised (e)

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

Body Type And/Or  
 Engine Displacement

2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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## Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	6.0°, +/- 0.5°
		Camber (deg.)	0.8 +/- 0.5 °
		Toe-in [outside track-mm (in.)]	0.0 +/- .10
	Service reset*	Caster	--
		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.)]	0.0°, +/- .1°
	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 (analog, digital, std., opt.)	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 (light, audible)	Standard-warning indicator and digital read-out
Temperature indicator	Type	Digital display
	Warning device (light, audible)	Standard-warning indicator and digital read-out
Oil pressure indicator	Type	Digital display
	Warning device (light, audible)	Standard-warning indicator and digital read-out
Fuel indicator	Type	Electric liquid crystal-analog
	Warning device (light, audible)	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 (light, audible)	Not Available
Rear window wiper, wiper/washer (std., opt., n.a.)		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). Low Tire Pressure Warning System (Low Tire Pressure) (Service LTPWS), Antilock Brake System Check (Antilock), Low Coolant (Low Coolant), Drivers information system mileage range, instant and average MPG, and trip odometer also included as standard equipment.

\*English or Metric

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (•) \_\_\_\_\_

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	Manufacturer	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
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	105 Amps
	Ratio (alt. crank/rev.)	3.24:1
	Output at idle (rpm, park)	
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	FR51S
	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 and on "heater only" blower motors and coax capacitor.
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Ø 1988 Format Change

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

Body Type	2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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## Body

Structure	Integral perimeter frame-birdcage forms strong unitized body structure. Aerodynamically shaped 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)
Tailgate	Type (drop, lift, door)	
	Internal release control (elec., mech., n.a.)	
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion 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
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

## ⊘ 1988 Format Change

- (\*) Gives easy access to engine and chassis components; folding prop rod hold open; SMC reinforced composite.
- (@) SMC reinforced composite frame for seat cushion and backrest.

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

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (•) \_\_\_\_\_

<b>Body Type</b>	2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67

**Restraint System**

<b>Active restraint system</b>	Standard/optional	Standard
	Type and description	3-Point seat belt system, motion sensitive or locking
	Location	Driver and passenger seat
<b>Passive seat belts</b>	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.
---	---

<b>Glass</b>	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)	2554.8 (396.0)
Total glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S4	18922.2 (2932.9)	15272.0 (2367.1)
Windshield glass (type)		Curved - Laminated Plate - Tinted	
Side glass (type)		Curved - Tempered Plate - Tinted	
Backlight glass (type)		Curved - Tempered Plate - Tinted (Hatchback)	Vinyl

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

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

Body Type	2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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**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) Not Available	
Electronic	Diagnostic monitor (integrated, individual)	STD.-ALCL (Assembly Line Communications Link); Integrated
	Instrument cluster (list instruments)	Speedo, Tach, Oil & Coolant Temps, Oil Press, Volts, Fuel
	Keyless entry	Not Available
	Tripminder (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)	Std - one lamp in each door pnl. Mounted on I/S R/V mirror
	Door lock, ignition	Std. - inside door lock-door open, delay when closed
	Engine compartment	Standard
	Fog	Standard
	Glove compartment	Standard - in console
	Trunk	Std - two lamps mounted in 'B' pillars Back of seat
	Other	Interior lamps delay - standard divide
	--	
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/LH optional
Parking brake-auto release (warning light)	Manual release, telltale-std.	
Power equipment	Door locks / deck lid - specify	Standard deck lid (hatch), standard 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; Passenger 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)
	Convertible deck lid	Standard
Radio systems	Antenna (location, whip, w/shield, power)	Rear power antenna
	AM, FM, stereo, tape, CB	AM/FM stereo cass. standard; AM/FM stereo cass/Bose
	Speaker (number, location) Premium-sound	Except Bose-2frt, 2rr; Bose-each door, 2 rr
Roof open air (fixed, flip-up, sliding, "T")	Single, full width lift-off roof panel   Conv folding top	
Speed control device	Std-electronic speed & cruise control w/resume feature	
Speed warning device (light, buzzer, etc.)	Not Available	
Tachometer (rpm)	6000 RPM	
Telephone system - mobile		
Theft protection-type	"VATS" system includes special module with resistor decoder and ignition key with embedded pellets of specified resistance. Built-in time lag, forces delay between attempts to start vehicle with improper key. Also includes anti-theft horn alarm system with starter interrupt (doors and hatch)	



# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

## METRIC (U.S. Customary)

### Vehicle Dimensions See Key Sheets for definitions

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

Body Type	SAE Ref. No.	2-Door Hatchback Coupe	2-Door Convertible
Width		1YY07	1YY67

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)
Tumble-home (deg.)	W122	36.9°

### Length

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)

### Height\*

Passenger distribution (front/rear)	PD1.2.3		
Trunk cargo load			
Vehicle height	H101	1186 (46.7)	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	250 (9.8)	
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	

### Ground Clearance\*

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 measured at the Manufacturer's Design Load Weight. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (●)

Body Type	SAE Ref. No. 2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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## Front Compartment

Sg RP front, "X" coordinate	L31	1150 (45.3)	
Effective head room	H61	926 (36.4)	927 (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)	

## 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	--	186.9 (6.6)
Liftover 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.)	--

\* See page 14.

# MVMA Specifications Form

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

## METRIC (U.S. Customary)

Vehicle Dimensions 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	
Min. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [m <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 (19.4)
Drag coefficient (Cd)	

\* EPA Loaded Vehicle Weight, Loading Conditions

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

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

<b>Body Type</b>	2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
------------------	------------------------------------	--------------------------------

**Vehicle Fiducial Marks**

Fiducial Mark Number*	Define Coordinate Location
Front	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.
	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.
	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.
Rear	X - Fiducial mark to vertical base grid line - rear, measured horizontally from the base grid line to rear fiducial mark located on the rail (compartment pan - longitudinal).
	Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan - longitudinal).
	Z - Fiducial mark to horizontal base grid line - rear, measured vertically from the base grid line to rear fiducial mark located on the rail (compartment pan - longitudinal).
Front	W21* 552 (21.7)
	L54* 831 (32.7)*
	H81* -181 (-7.1)#
	H161* 178 (7.0)
	H163* 120 (4.7)
Rear	W22* 296 (11.7)
	L55* 2714 (106.9)*
	H82* 46 (1.8)#
	H162* 367 (14.4)
	H164* 345 (13.6)
* Vertical base grid 2000 mm line # Horizontal base grid 500 mm line	

\* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

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

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (•) \_\_\_\_\_

Body Type	2-Door Hatchback Coupe 1YY07	2-Door Convertible 1YY67
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**Lamps and Headlamp Shape\***

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	660.1 (26.0)
		Lowest	--
	Tailamp (SAE - H128)	Highest**	760.6 (29.9)
		Lowest	758.2 (29.8)
	Sidemarkers	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)
	Tailamp	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

METRIC (U.S. Customary)

Vehicle Line CORVETTE  
 Model Year 1988 Issued 6-87 Revised (e) \_\_\_\_\_

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Custom Adjustable Sport Seats RPO AQ9	3.1 (6.8)	3.6 (7.9)	6.7 (14.7)	Power adjust for backrest lateral restraints, lumbar support and back angle, special cloth trim.
Leather Seat Trim RPO BI6	.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./Not available on convertible.
Automatic Air Conditioning RPO C68	1.0 2.205	--	1.0 2.205	Automatic temperature control
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)	
Radio Delete RPO UL5	-2.4 (-5.3)	-2.6 (-5.7)	-5.0 (-11.0)	
Delco/Bose Premium Audio System	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 fetures Dolby sound, dynamic noise reduction and automatic suppression 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)	Mirrors only on convertible.
Performance Handling Package, consists of FE7, FG3, GZ0, VO1, KC4, B4P RPO Z51	8.7 (19.2)	4.1 (9.0)	12.8 (28.2)	Includes left-right 16 x 9-1/2 wheels, fast steering, HD cooling and 3.07 axle ratio for auto

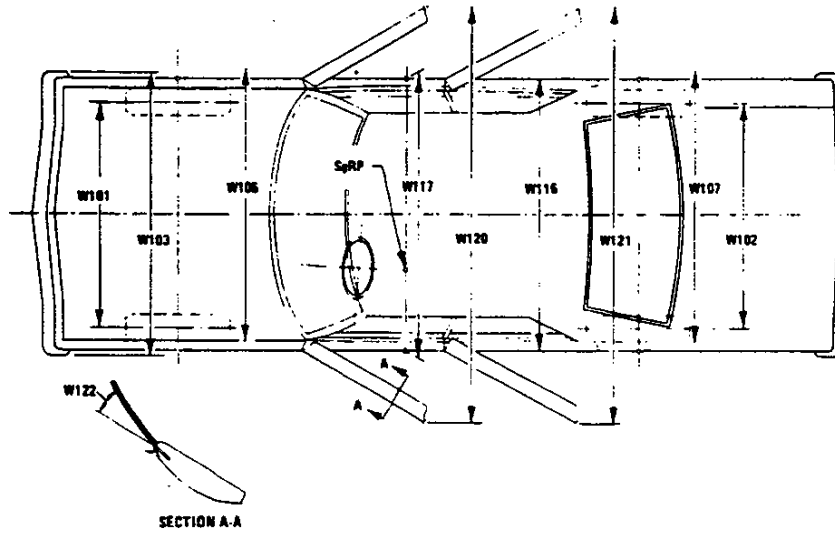
\*Also see Engine - General Section for dressed engine mass (weight).

# MVMA Specifications Form

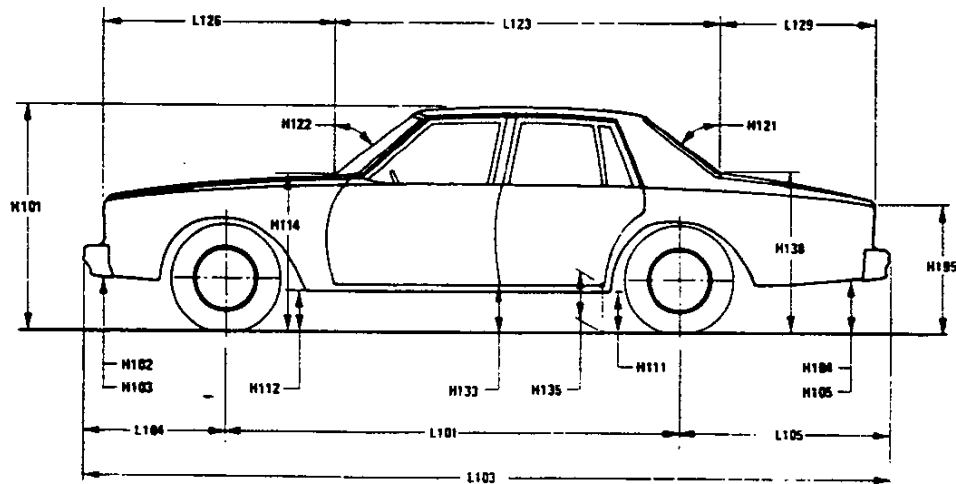
METRIC (U.S. Customary)

## Exterior Vehicle And Body Dimensions – Key Sheet

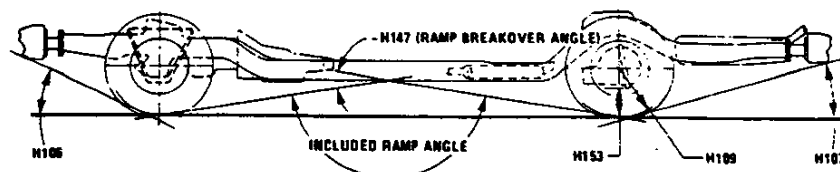
### Exterior Width



### Exterior Length & Height



### Exterior Ground Clearance

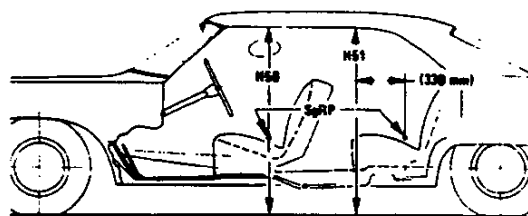
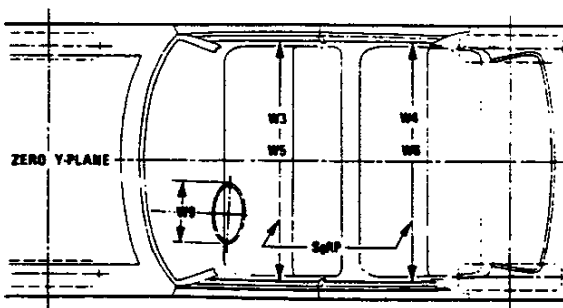
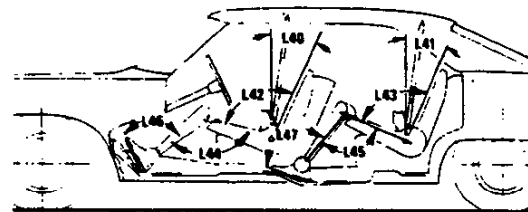
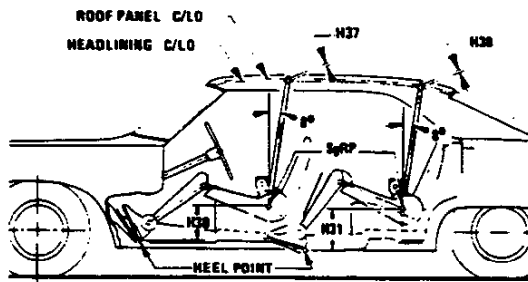
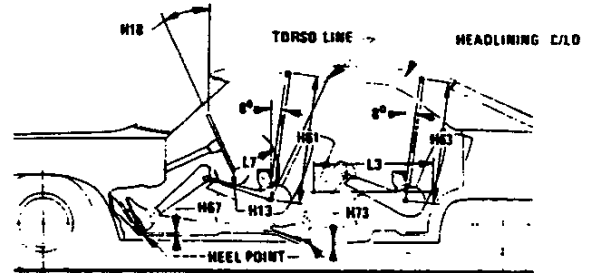
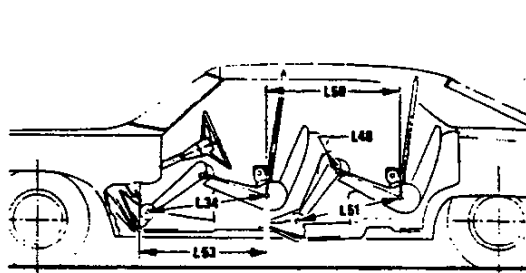




# MVMA Specifications Form

METRIC (U.S. Customary)

## Interior Vehicle And Body Dimensions – Key Sheet

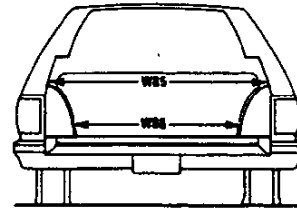
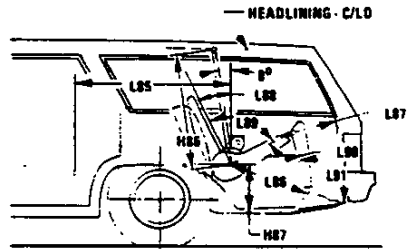


# MVMA Specifications Form

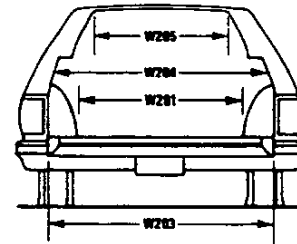
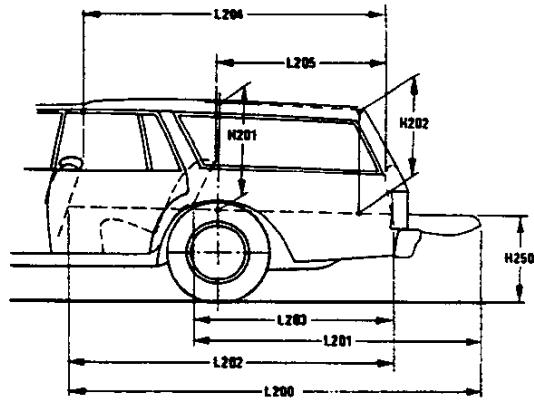
METRIC (U.S. Customary)

## Interior Vehicle And Body Dimensions – Key Sheet

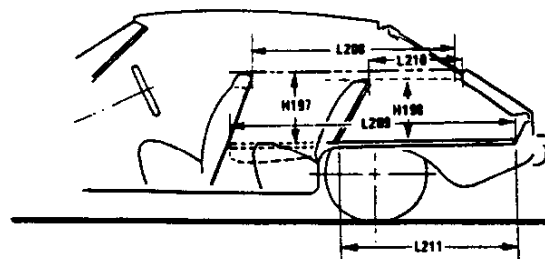
### Third Seat



### Cargo Space



### Station Wagon



### Hatchback

# MVMA Specifications Form

## METRIC (U.S. Customary)

### Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

#### Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

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

#### Width Dimensions

- W101 TREAD–FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD–REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- 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 hooks 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 bumpers. In cases where bumpers and/or grills are integrated with the profile, measurement is made at the foremost point of front 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 side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL–FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in) long drawn from the lower DLO to the intersecting point on the windshield.
- H127 HEADLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.
- H133 BOTTOM OF DOOR CLOSED–FRONT TO GROUND. The dimension measured vertically from the bottom outside 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 outside 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.
- H109 STATIC LOAD–TIRE RADIUS–REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

#### Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND–CURB MASS (WT.). Measured in the same manner as H102.

# MVMA Specifications Form

## METRIC (U.S. Customary)

### Interior Vehicle 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. (See SAE J1100)
- 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. (See SAE J1100)
- L31** SgRP-FRONT. "X" COORDINATED.
- L34** MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in) measured with right foot on the 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 teh accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- L-40** 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.
- L-42** 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 the front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

# MVMA Specifications Form

## METRIC (U.S. Customary)

### Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

- L-41 BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
- L43 HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
- L45 KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
- L47 FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
- L48 KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
- L50 SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
- L51 MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 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-J1100a.
- 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. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H87 SgRP-THIRD TO HEEL POINT.
- 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 seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate at the zero "Y" plane.
- L201 CARGO LENGTH-OPEN-SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering 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 at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L203 CARGO LENGTH-CLOSED-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the second seatback 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 wheelhouseings at floor level. For any vehicle not trimmed, measure to the sheet metal.

# MVMA Specifications Form

## METRIC (U.S. Customary)

### Interior Vehicle 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

## METRIC (U.S. Customary)

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