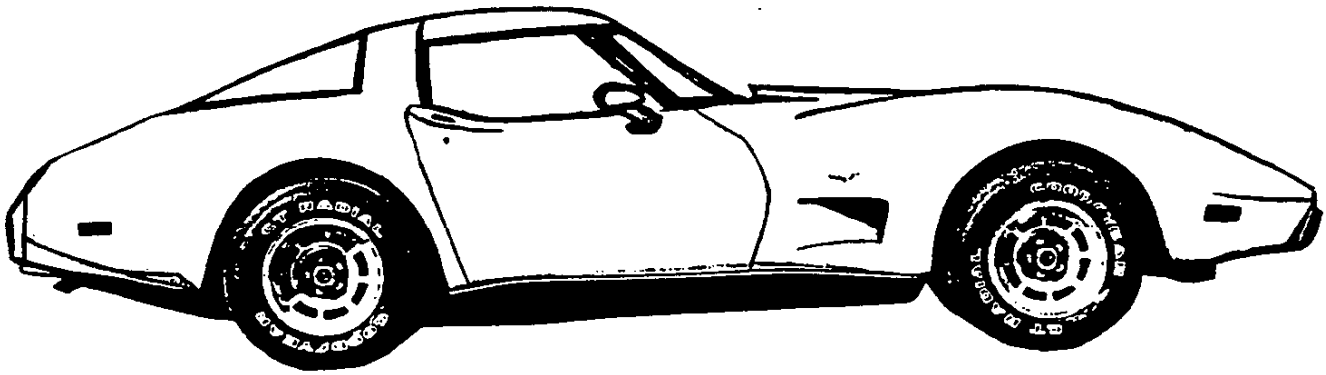
CHEVROLET

1979

CORVETTE

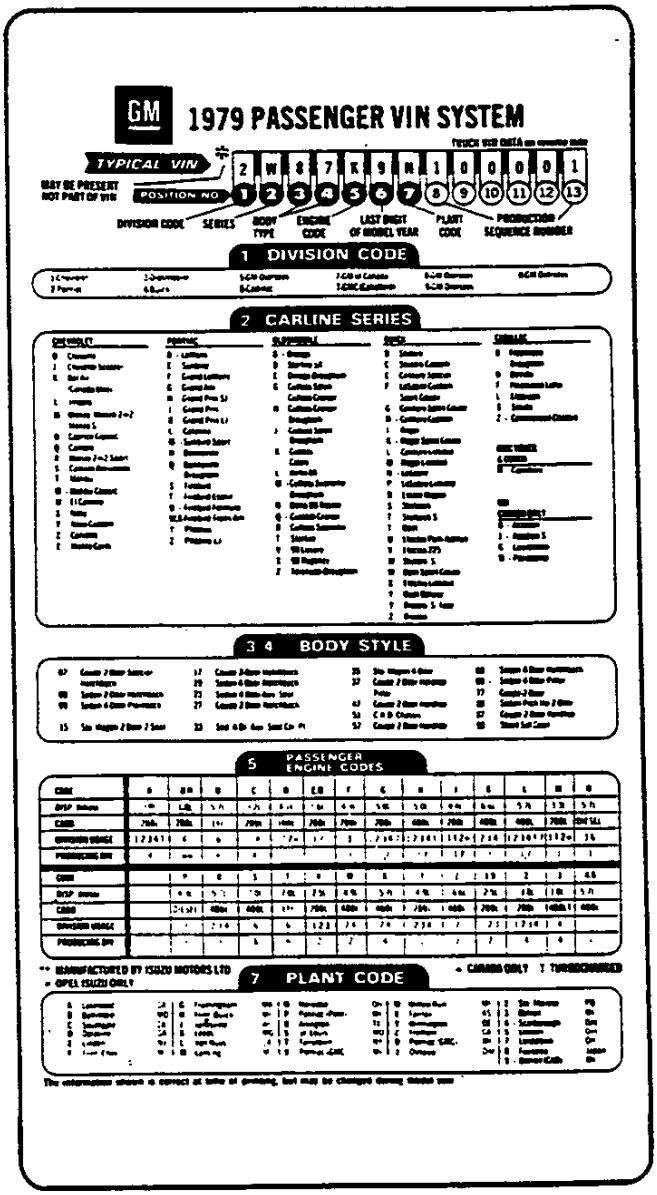
SPECIFICATIONS



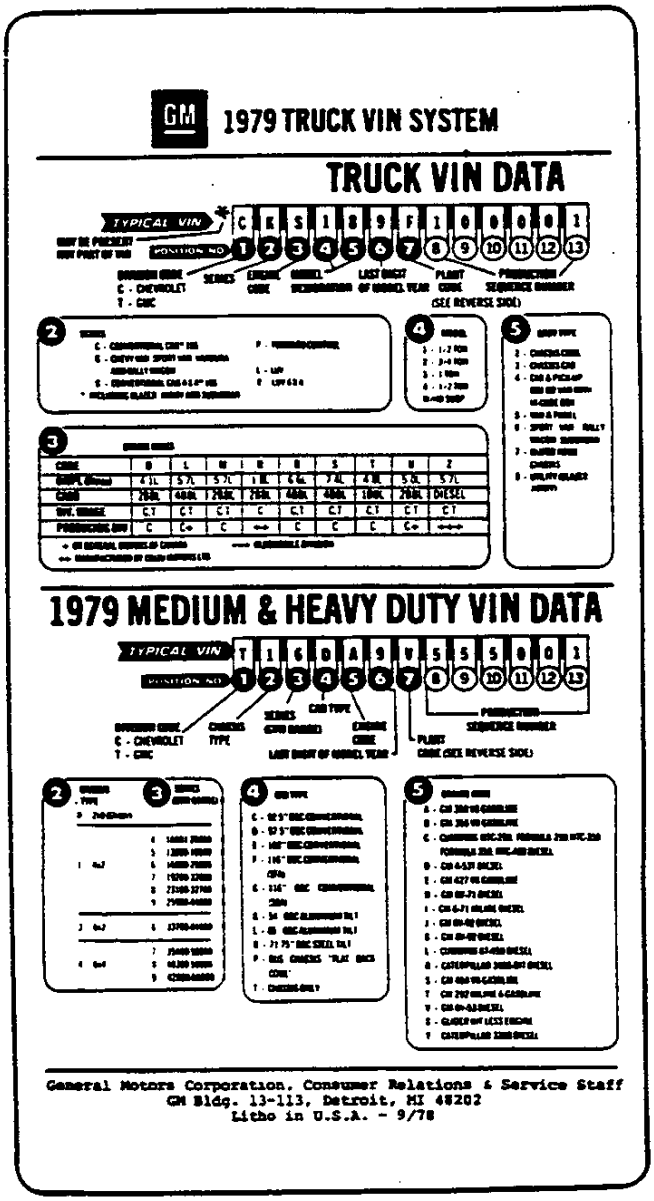
GENUINE CHEVROLET™

General Motors 1979 VIN System

Passenger Car



Light Truck



General Motors Corporation, Consumer Relations & Service Staff
GM Bldg. 13-113, Detroit, MI 48202
Litho in U.S.A. - 9/78

1979 CORVETTE

Production: 53,807 coupes

1979 NUMBERS

Vehicle: 1Z8789S400001 through 1Z8789S453807
- Fifth digit varies as follows: 8=350ci, 195hp
  4=350ci, 225hp

Suffix:
ZAA: 350ci, 195hp, mt, ep
ZAB: 350ci, 195hp, at, ep
ZAC: 350ci, 195hp, at, ce, ep
ZAD: 350ci, 195hp, at, ha
ZAF: 350ci, 195hp, mt
ZAH: 350ci, 195hp, at
ZAJ: 350ci, 195hp, at, ce
ZBA: 350ci, 225hp, mt
ZBB: 350ci, 225hp, at

Block: 3970010: All 14016379: uncertain usage

Head: 462624: All

Carb: Rochester Q-jet #17059202, 17059217: 350ci, 195hp, at
Rochester Q-jet #17059203: 350ci, 195hp, mt
Rochester Q-jet #17059210: 350ci, 225hp, at
Rochester Q-jet #17059211: 350ci, 225hp, mt
Rochester Q-jet #17059216: 350ci, 195hp, at, ac
Rochester Q-jet #17059228: 350ci, 225hp, at, ac
Rochester Q-jet #17059502: 350ci, 195hp, at, ce
Rochester Q-jet #17059504, 17059507: 350ci, 195hp, at, ac, ce
Rochester Q-jet #17059582: 350ci, 195hp, at, ha
Rochester Q-jet #17059584: 350ci, 195hp, at, ac, ha

Distributor: 1103285: 350ci, 195hp, ce 1103353: 350ci, 195hp
1103291: 350ci, 225hp

Alternator: 1101041, 1102394, 1102484: 350ci
1102474, 1102908: 350ci, ac

Abbreviations: ac=air conditioning, at=automatic transmission, ce=california emissions, ci=cubic inch, ep=early production, ha=high altitude, hp=horsepower, mt=manual transmission.

1979 FACTS

- The new "high back" seat style introduced in the 1978 pace car replicas were made standard equipment in 1979. Extensive use of plastic resulted in weight reduction of about twelve pounds per seat. The new seats had better side bolster support, and the backs folded at a higher point to permit easier rear storage access. Inertia locking mechanisms restrained the backs in sudden deceleration, negating the need for manual locks. Driver and passenger seats had an additional inch of forward travel.
- The 1979 fuel filler pipe was redesigned to make it more difficult to modify for leaded-fuel access.
- Output of both the base L48 and optional L82 engines increased by 5hp due to a new "open flow" muffler design. Also, adding the L82's low restriction, dual-snorkel air intake to the base engine added another 5hp. The base L48 was rated at 195hp, the optional L82 at 225hp.
- The 85-mph speedometers associated with 1980 production were used for several late-build 1979s.
- In 1979, an AM-FM radio became standard equipment, and an illuminated visor-mirror combination became available for the passenger side.
- The front and rear spoilers developed for the 1978 pace car became 1979 options. They were functional, decreasing drag by about 15% and increasing fuel economy by about a half-mile per gallon.
- Tungsten-halogen headlight beams were phased into 1979 production early in the production year for increased visibility. These replaced only the high-beam units.

1979 OPTIONS

RPO #	DESCRIPTION	QTY	RETAIL $
1YZ87	Base Corvette Sport Coupe	53,807	$10,220.23
A31	Power Windows	20,631	141.00
AU3	Power Door Locks	9,054	131.00
CC1	Removable Glass Roof Panels	14,480	365.00
C49	Rear Window Defogger	41,587	102.00
C60	Air Conditioning	47,136	635.00
D35	Sport Mirrors	48,211	45.00
D80	Spoilers, front and rear	6,853	265.00
FE7	Gymkhana Suspension	12,321	49.00
F51	Heavy Duty Shock Absorbers	2,164	33.00
G95	Optional Rear Axle Ratio	428	19.00
K30	Cruise Control	34,445	113.00
L82	350ci, 225hp Engine	14,516	565.00
MM4	4-Speed Manual Trans, close ratio	4,062	0.00
MX1	Automatic Transmission	41,454	0.00
NA6	High Altitude Emission Equipment	—	35.00
N37	Tilt-Telescopic Steering Column	47,463	190.00
N90	Aluminum Wheels (4)	33,741	380.00
QBS	White Letter SBR Tires, P255/60R15	17,920	226.20
QGR	White Letter SBR Tires, P225/70R15	29,603	54.00
U58	AM-FM Radio, stereo	9,256	90.00
UM2	AM-FM Radio, stereo with 8-track	21,435	228.00
UN3	AM-FM Radio, stereo with cassette	12,110	234.00
UP6	AM-FM Radio, stereo with CB	4,483	439.00
U75	Power Antenna	35,730	52.00
U81	Dual Rear Speakers	37,754	52.00
UA1	Heavy Duty Battery	3,405	21.00
YF5	California Emission Certification	—	83.00
ZN1	Trailer Package	1,001	98.00
ZQ2	Power Windows and Door Locks	28,465	272.00
ZX2	Convenience Group	41,530	94.00

• A 350ci, 195hp engine, 4-speed manual transmission, T-tops, and leather or cloth/leather interior trim were included in the base price.

• The Corvette's base price and some options increased several times during 1979. Base price climbed from $10,220.23 to $12,313.23 by year end. The largest single increase was $706.00 effective 5-7-79, due to air conditioning, power windows and tilt-telescopic steering column made standard equipment.

• RPO ZX2 included dome and courtesy light delay, headlight warning buzzer, underhood light, low fuel warning light, floor mats, intermittent wipers, and right side visor mirror.

• Manual transmission and/or L82 not available California or high altitude.

1979 COLORS

CODE	EXTERIOR	QTY	WHEELS	INTERIORS
10	Classic White	8,629	Silver	Bk-Db-Dg-Lb-O-R
13	Silver	7,331	Silver	Bk-Db-Dg-O-R
19	Black	10,465	Silver	Bk-Lb-O-R
28	Corvette Light Blue	3,203	Silver	Bk-Db-O
52	Corvette Yellow	2,357	Silver	Bk-Lb-O
58	Corvette Dark Green	2,426	Silver	Bk-Dg-Lb-O
59	Corvette Light Beige	2,951	Silver	Bk-Db-Dg-Lb-R
72	Corvette Red	6,707	Silver	Bk-Lb-O-R
82	Corvette Dark Brown	4,053	Silver	Bk-Lb-O
83	Corvette Dark Blue	5,670	Silver	Bk-Db-Lb-O-R

• Suggested interiors shown. Additional combinations were possible.

• Code 82 Corvette Dark Brown may also be coded 67.

• Fifteen 1979 Corvettes had primer only.

Interior Codes: 12C=O/C, 122=O/L, 192=Bk/L, 29C=Db/C, 292=Db/L, 49C=Dg/C, 492=Dg/L, 59C=Lb/C, 592=Lb/L, 722=R/L.

Abbreviations: Bk=Black, C=Cloth, Db=Dark Blue, Dg=Dark Green, L=Leather, Lb=Light Beige, O=Oyster, R=Red.

The Corvette Black Book

1953-1993

October 1992

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CONTENTS

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SECTION 0A

GENERAL INFORMATION

CONTENTS

GENERAL

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.

BODY IDENTIFICATION PLATE

The body identification plate (fig. 0A-1), is located on upper horizontal surface of shroud.

The body identification plate identifies:

- model year
- car division
- body type
- series
- body style
- assembly plant
- body number
- trim combination
- modular seat code
- paint code
- date build code

VEHICLE IDENTIFICATION NUMBER (VIN)

This is the legal identification of the vehicle. It appears on a plate which is attached to the windshield pillar, and can be easily seen through the windshield from outside the car (fig. 0A-2). The VIN also appears on the Vehicle Certificates of Title and Registration.

Division Code

The first number of the VIN is the code for the Division designing and producing the car.

Series Code

The second number in the VIN is the one letter code identifying the series as shown in Fig. 0A-3.

Body Style Code

The third and fourth numbers of the VIN identify the body style of the car. See Fig. 0A-3.

Engine Code

The fifth number of the VIN is a one-letter code identifying the engine used on the car. See Fig. 0A-3 for engine identification.

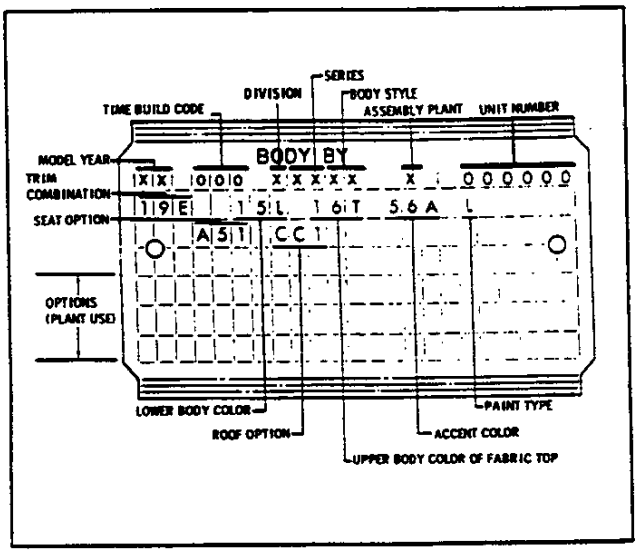


Fig. 0A-1–Body Identification Plate

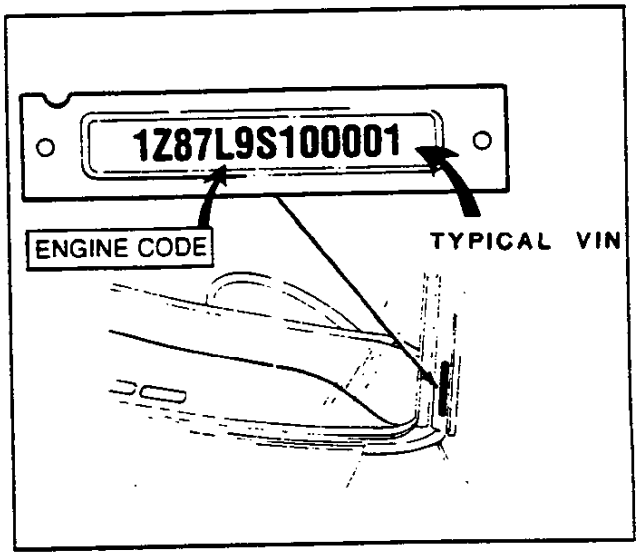


Fig. 0A-2–Vehicle Identification Number Location

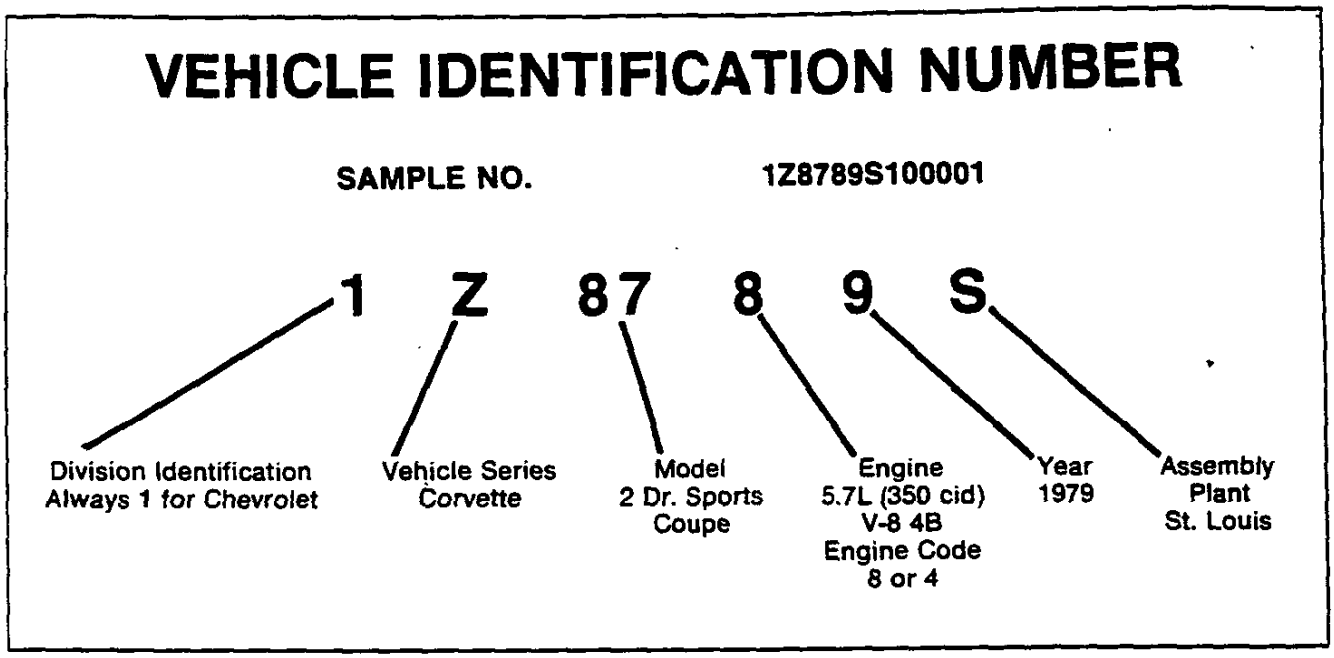


Fig. 0A-3–Vehicle Identification Number

Model Year Code

The number "9" in the sixth position of the VIN represents the model year, 1979.

Assembly Plant Code

The GM assembly plant at which the car was assembled is identified by the one-letter (or number) code in the seventh position in the VIN shown in Fig. 0A-3.

Plant Sequential Number

The last six numbers of the vehicle identification number (VIN) serves as a serial number to identify a specific 1979 model from other similar models assembled at the same plant during the model production.

UNIT IDENTIFICATION NUMBERS

For the convenience of service personnel when writing up certain business papers such as Warranty Claims or Product Information Reports, the following chart and Figures 0A-4 through 0A-6 indicate location of various components unit identification numbers.

VEHICLE COMPONENT IDENTIFICATION NUMBER LOCATION

Component	Type	Location
Transmission	4-Speed (83 mm) 4 Speed (76 mm) Automatic 350 Automatic 200	Drivers side adjacent to rear of cover Drivers side, below side cover Right vertical surface of oil pan Tag on passenger side of transmission extension
Rear Axle Number	Corvette	On bottom surface of carrier at cover mounting flange
Generator	All	On top drive end frame
Starter	All	Stamped on outer case, toward rear
Battery	All	On cell cover segment, top of battery

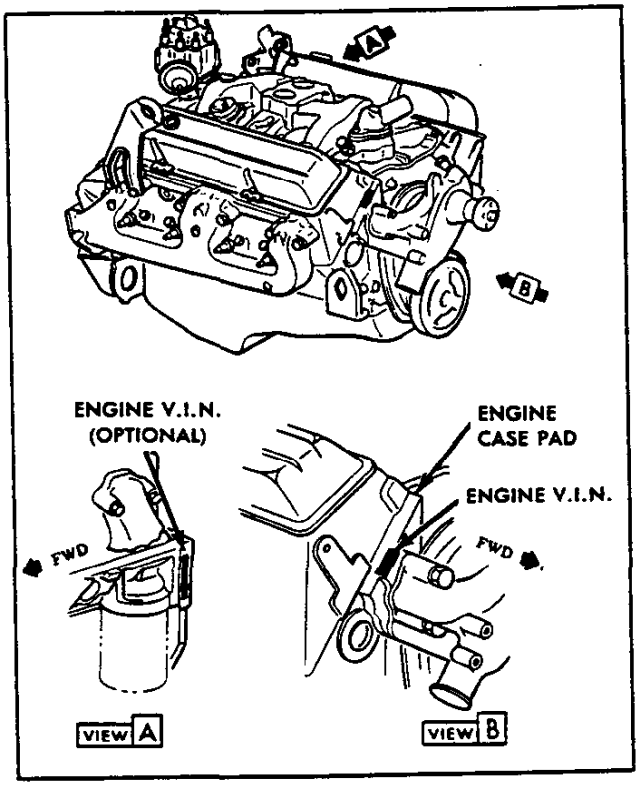


Fig. 0A-4–Engine V.I.N. Location

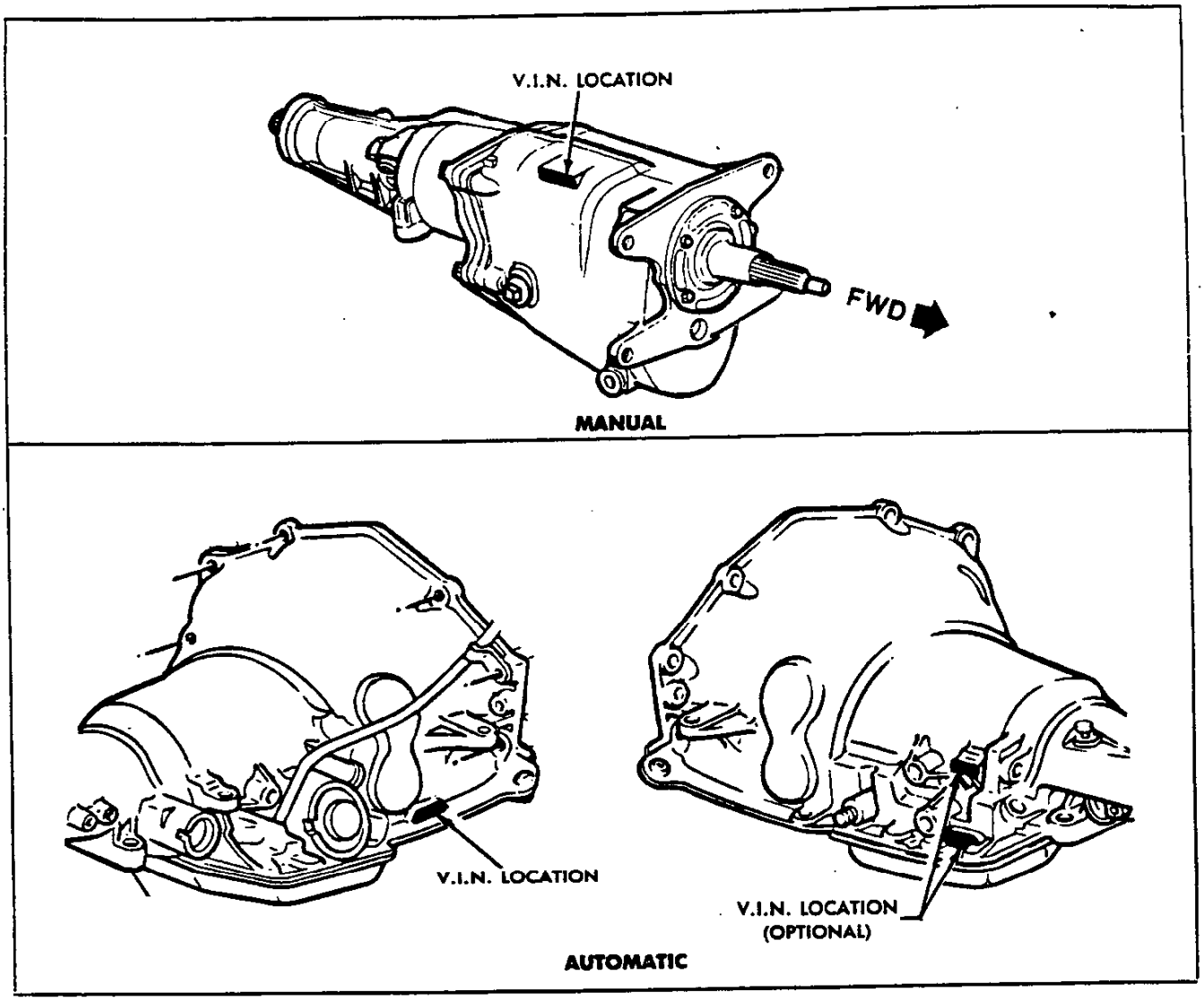


Fig. 0A-5–Transmission V.I.N. Location

SECTION 0B

MAINTENANCE AND LUBRICATION

CONTENTS

GENERAL

The maintenance schedule follow two basic formats, Schedule I and II. The major difference between the two schedules is Section "C" or Emission Control Maintenance (fig. 0B-1). Schedule I or Schedule II is tied to the engine family number as shown on the emission control label under the hood area. Vehicles shown the Schedule I or Schedule II designation on the label.

The maintenance schedule is provided in the glove box with the car.

MAINTENANCE SCHEDULE

When To Perform Services (Months or Miles, Whichever Occurs First)	Item No.	Services (For Details, See Numbered Paragraphs)
SECTION A — Lubrication and General Maintenance		
Every 12 Months or 7,500 Miles (12 000 km)	A-1	• Chassis Lubrication
	A-2	• Fluid Levels Check
	A-3	Clutch Pedal Free Travel Check/Adjust.
	A-4	* Engine Oil Change
See Explanation	A-5	* Oil Filter Change
	A-6	Tire Rotation (Radial Tires)
	A-7	Rear Axle Lube Change & Manual Trans. Check
Every 12 Months or 15,000 Miles (24 000 km)	A-8	* Cooling System Check — See Explanation
Every 30,000 Miles (48 000 km)	A-9	Wheel Bearing Repack
	A-10	Manual Steering Gear Seals Check
	A-11	Clutch Cross Shaft Lubrication
Every 100,000 Miles (160 000 km)	A-12	Auto. Trans. Fluid & Filter Change
SECTION B — Safety Maintenance		
Every 12 Months or 7,500 Miles (12 000 km)	B-1	Owner Safety Checks
	B-2	Tire, Wheel and Disc Brake Check
	B-3	* Exhaust System Check
	B-4	Suspension and Steering Check
	B-5	Brake and Power Steering Check
Every 12 Months or 15,000 Miles (24 000 km)	B-6	* Drive Belt Check
	B-7	Parking Brake Check
	B-8	Throttle Linkage Check
	B-9	Bumper Check
SECTION C — Emission Control Maintenance Schedule I		
At first 6 Months or 7,500 Miles-(12 000 km) Then at 18-Month/ 22,500-Mile (36 000 km)	C-1	Thermo Controlled Air Cleaner Check
	C-2	Carburetor Choke & Hoses Check
	C-3	Engine Idle Speed Adjustment
	C-4	EFE System Check (if so equipped)
	C-5	Carburetor Mounting Torque
	C-6	Vacuum Advance System & Hoses Check
Every 12 Months or 15,000 Miles (24 000 km)	C-7	Fuel Filter Replacement
	C-8	PCV System Check — PCV Valve & Filer — See Explanation
Every 22,500 Miles (36 000 km)	C-9	Spark Plug Wires Check
	C-10	Idle Stop Solenoid and/or Dashpot Check
	C-11	Spark Plug Replacement
	C-12	Engine Timing Adjust. & Distrib. Check
	C-13	Carburetor Vacuum Break Check
Every 30,000 Miles (48 000 km)	C-14	Air Cleaner Element Replacement
Every 24 Months or 30,000 Miles (48 000 km)	C-15	ECS System Check & Filter Replacement
	C-16	Fuel Cap, Tank and Lines Check
SECTION C — Emission Control Maintenance Schedule II		
At first 6 Months or 7,500 Miles (12 000 km) — Then 24-Month/ 30,000-Mile (48 000 km) , Except C-2, Which Requires Service at 45,000 Miles (72 000 km)	C-1	Thermo. Controlled Air Cleaner Check
	C-2	Carburetor Choke & Hoses Check
	C-3	Engine Idle Speed Adjustment
	C-4	EFE System Check (if so equipped)
	C-5	Carburetor Mounting Torque
Every 12 Months or 15,000 Miles (24 000 km)	C-6	Vacuum Advance System & Hoses Check
	C-7	Fuel Filter Replacement
	C-8	PCV System Check — PCV Valve & Filter — See Explanation
Every 15,000 Miles (24 000 km)	C-9	Spark Plug Wires Check
Every 30,000 Miles (48 000 km)	C-10	Idle Stop Solenoid and/or Dashpot Check
	C-11	Spark Plug Replacement
	C-12	Engine Timing Adjust. & Distrib. Check
	C-13	Carburetor Vacuum Break Check
	C-14	Air Cleaner Element Replacement
Every 24 Months or 30,000 Miles (48 000 km)	C-15	ECS System Check & Filter Replacement
	C-16	Fuel Cap, Tank and Lines Check

• Also a Safety Service * Also an Emission Control Service

Fig. 0B-1–Vehicle Maintenance Schedule

MAINTENANCE SCHEDULE

This is an explanation of the service listed in the Vehicle Maintenance Schedule.

NORMAL VEHICLE USE-The maintenance instructions contained in the maintenance schedule are based on the assumption that the car will be used as designed:

- To carry passengers and cargo within the limitations indicated on the Tire Placard located on the edge of the driver's door,
- on reasonable road surfaces within legal operating limits,
- on a daily basis, as a general rule, for at least several miles/kilometres, and
- on unleaded gasoline.

Unusual operating conditions will require more frequent vehicle maintenance as specified in the respective sections.

SECTION A

LUBE & GENERAL MAINTENANCE

A-1 Chassis

Any significant fluid loss in any of following systems or units could mean that a malfunction is developing and corrective action should be taken immediately.

Lubricate the following system or units:

Front Suspension

Lubricate fittings with water resistant EP chassis lubricant which meets GM Specification 6031M.

NOTICE: Ball joints should not be lubricated unless their temperature is 10°F (-12°C), or higher. During cold weather, they should be allowed to warm up as necessary before being lubricated.

Steering Linkage

(Also a Safety Service)

Lubricate fittings with water resistant EP chassis lubricant which meets GM Specification 6031M.

Transmission Shift Linkage (Manual and Automatic)

(Also Safety Service)

Lubricate shift linkage and on manual transmission floor controls lever contacting faces with water resistant EP chassis lubricant which meets GM specification 6031M.

Hood Latches

Lubricate hood latch assembly and hood hinge assembly as follows:

1. Wipe off any accumulation of dirt or contamination on latch parts.
2. Apply Lubriplate or equivalent to latch pilot bolts and latch locking plate.
3. Apply light engine oil to all pivot points in release mechanism, as well as primary and secondary latch mechanisms.
4. Lubricate hood hinges.
5. Make hood hinge and latch mechanism functional check to assure the assembly is working correctly.

Hinges

The following points should be checked and lubricated: hinges on all doors, fuel filler door, door lock striker and door jamb switches.

Parking Brake Pulley, Cable and Linkage

(Also a Safety Service)

Apply water resistant EP chassis lubricant which meets GM specification 6031M, to parking brake cable at cable guides and at all operating links and levers.

Accelerator Linkage

(Also a Safety Service)

Lubricate carburetor stud and carburetor lever and accelerator pedal lever at support with engine oil.

Body Lubrication

See Body Service Manual for body lubrication.

A-2 Fluid Levels

Check battery and the following fluid levels:

Battery Care

The original equipment battery needs no periodic maintenance. Its top is permanently sealed (except for two small vent holes) and has no filler caps. Water will never have to be added.

Check for damage which could allow electrolyte leak such as cracked or broken case or cover. Check terminals and terminal area for broken parts and inspect for cracks.

The hydrometer (test indicator) in the top of the battery provides information for testing purposes only. See Section 6D for battery test procedures.

CAUTION: Follow the precautions listed below when jump starting or when working on or near the battery. The instructions below must be followed exactly or personal injury (particularly to eyes) or property damage may result from battery explosion, battery acid, or electrical (short circuit) burns.

- **THE MAJOR SAFETY PRECAUTION IS TO MAKE THE FINAL CONNECTION TO GROUND (A SOLID STATIONARY METALLIC OBJECT) ON THE ENGINE AT SOME DISTANCE FROM THE BATTERY. THIS HELPS REDUCE THE CHANCE OF AN EXPLOSION DUE TO SPARKS.**
- **To lessen the chance of an explosion, never expose the battery to open flames or electric sparks. Also do not smoke near the battery. Batteries give off a gas which is flammable and**

explosive.

• **To lessen the risk of injury in case an explosion does occur, wear eye protection** or shield your eyes when working near any battery. Do not lean over a battery.

• Do not allow battery fluid to contact eyes, skin, fabrics, or painted surfaces because battery fluid is a corrosive acid. **Flush any contacted area with water immediately and thoroughly. Also get medical help if eyes are affected.**

• To lessen the risk of a short circuit, remove rings, metal watch bands and other metal jewelry. Also do not allow metal tools to contact at the same time the positive battery terminal (or any metal connected to this terminal) and any other metal on the vehicle.

Make certain when attaching the jumper cable clamps to the positive terminals of the batteries that neither clamp contacts any other metal.

Master Cylinder

(Also a Safety Service)

Check fluid level in each reservoir and maintain 1/4" below lowest edge of each filler opening with Delco Supreme No. 11 or DOT-3 hydraulic brake fluid, or equivalent.

A low fluid level in the brake master cylinder can indicate worn disc brake pads, and should be checked accordingly.

Power Steering System

(Also a Safety Service)

Add GM Power Steering Fluid (GM 1050017) or equivalent as necessary (fig. 0B-2):

• If fluid is warmed up (about 150°F or 66°C--hot to the touch), it should be between "Hot" and "Cold" marks on the filler cap indcator.

• If cool (about 70°F or 21°C), fluid should be between "Add" and "Cold" marks.

Fluid does not need periodic changing.

Rear Axle (Limited-Slip) Lubricant

Check lubricant level. Add lubricant, if necessary, to fill to level of filler plug hole. Use gear lubricant GM 1052271/1052272 or equivalent.

Automatic Transmission Fluid

Use only automatic transmission fluid labeled DEXRON® II or equivalent.

Check the automatic transmission fluid level at each engine oil change period. Overfilling can cause foaming and loss of fluid. Transmission damage can result. Low fluid level can cause slipping or loss of drive.

Automatic transmissions are often overfilled because the fluid level is checked when the fluid is cold. When cold, the dipstick shows that fluid should be added. However, the low reading is normal, the level will rise as the fluid gets warm. The fluid level will increase more than 3/4 inch (19mm) as fluid warms up from 60°F to 180°F (16°C to 82°C).

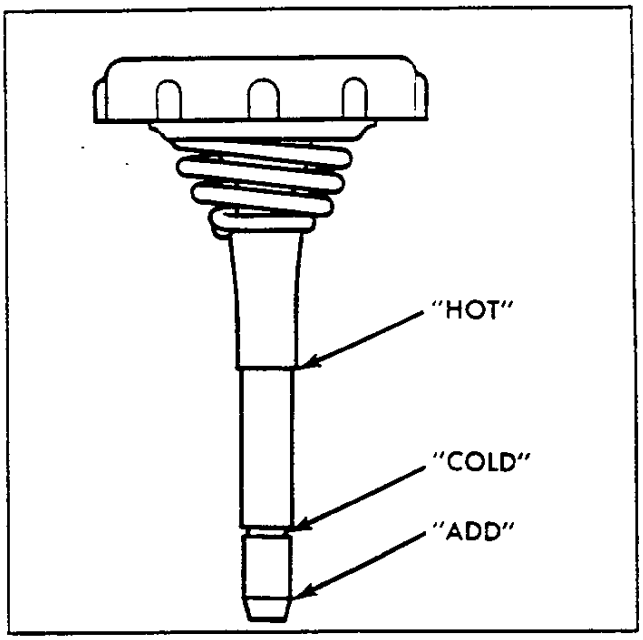


Fig. 0B-2–Power Steering Filler Cap

Check the transmission fluid level with the engine running, the shift lever in "Park", and the car level.

NOTICE: If the car has just been driven for a long time at high speed or in city traffic in hot weather, or if the car has been pulling a trailer, the correct fluid level cannot be read. Wait until the fluid has cooled down (about 30 minutes).

Remove the dipstick. Carefully touch the wet end of the dipstick to find out if the fluid is cool, warm or hot. Wipe it clean and push it back in until cap seats. Pull out the dipstick and read the fluid level (fig. 0B-3).

• If it felt cool, about room temperature, the level should be 1/8 to 3/8 inch (3 to 10mm) below the "Add" mark. The dipstick has two dimples below the "Add" mark to show this range.

• If it felt warm, the level should be close to the "Add" mark (either above or below).

• If it was too hot to hold, the level should be at the "Full" mark.

NOTICE: DO NOT OVERFILL it takes only one pint (0.5 litre) to raise level from "Add" to "Full" with a hot transmission.

Manual Transmission Lubricant

Check lubricant level. Add lubricant, if necessary, to fill to level of filler plug hole.

Use SAE 80W GL-5 or SAE 80W-90 GL-5 gear lubricant. For those vehicles driven in Canada, use SAE 80W GL-5 gear lubricant.

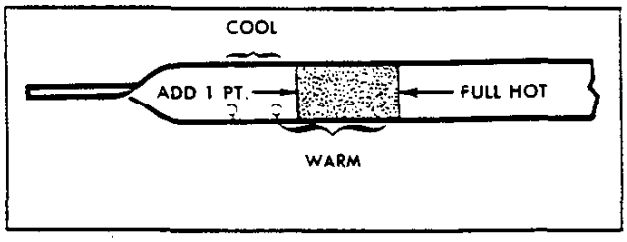


Fig. 0B-3–Automatic Transmission Dipstick

Windshield Washer Fluid

(Also a Safety Service)

Fill the washer jar only 3/4 full during the winter to allow for expansion if the temperature should fall low enough to freeze the solution.

- Check the washer fluid level regularly--do it often when the weather is bad.
- Use a fluid such as GM Optikleen or equivalent to help prevent freezing damage, and for better cleaning.
- Do not use radiator antifreeze in the windshield washer; it could cause paint damage.
- **In cold weather, warm the windshield with the defrosters before using the washer–to help prevent icing that may block the driver's vision.**

Cooling System Care

Do not remove radiator cap to check coolant level. Instead, check by looking at the "see through" coolant recovery tank. Level should be at the "Full Cold" mark on the recovery tank when the system is cold; and at the "Full Hot" mark during engine operation. Add a 50/50 mixture of a good quality ethylene glycol antifreeze and water to the recovery tank when more coolant is needed. If frequent additions are needed, cooling system.

NOTICE: If the proper quality antifreeze is used, there is no need to add extra inhibitors or additives that claim to improve the system. They may be harmful to the proper operation of the system, and are an unnecessary expense.

A-3 Manual Transmission Clutch Adjustment

Clutch adjustment should be checked and adjusted as necessary to compensate for clutch facing wear. To check, depress pedal by hand until resistance is felt. Free travel should be approximately one to one and a half inches; if very little or no free travel is evident, clutch adjustment is required.

A-4 & 5 Engine Oil and Filter

(Also an Emission Service)

Engine Oil and Filter Recommendations

- Use only SE quality engine oils (see markings on containers). Do not use engine oil marked SE/CD.
- Change oil each 7,500 miles (12 000 km) or once a year, whichever occurs first. Change oil filter at the first oil change and each second oil change after that, if the car is driven more than 7,500 miles (12 000 km) per year. If oil is changed once a year, change the filter each time you change oil.
- Change oil and filter each 3,000 miles (4 800 km) or 3 months if often:
  - Driving in dusty areas
  - Pulling a trailer
  - Idling for long periods
  - Driving 4 miles (6 kilometres) or less in freezing weather.
- After driving in a dust storm, change the oil and filter as soon as you can.
- The oil and filter change intervals for the engine is based on the use of SE quality oils and high quality filters like AC oil filters or equivalent. Use of non-SE oils or oil change intervals longer than listed, could reduce engine life and might affect warranty.
- The engine was filled with an SE quality engine oil when it was built. You do not have to change this oil before the suggested change period. Check the oil level often when engine is new.

Oil Viscosity

Use the chart (fig. 0B-4) to select the proper oil thickness (called viscotity or SAE Viscosity Grade) for the temperature range expected before next oil change. This helps cold and hot starting. If will also give good engine life, and fuel and oil mileage.

Checking Oil Level

- **Warm** The best time to check the engine oil level is when the oil is warm. First allow the oil to drain back to the oil pan. Then pull the dipstick out, wipe it clean, and push it back down all the way. Now pull the dipstick out and look at the oil level on the dipstick. Some dipsticks are marked with "Add" and "Full" lines. others are marked "add 1 Qt." and "Operating Range. **In all cases the oil level should be kep above the "Add" line** . Push the dipstick back down all the way after taking the reading. Add oil if needed.
- **Cold** If oil level is checked when oil is cold, do not run the engine first. The cold oil will not drain back fast enough to the pan to give a true oil level.

Engine Oil Additives

The engine should not need these extra engine oil helpers or additives if SE quality engine oil is used and changed as suggested. If you think your engine has an oil related problem, refer to Section 6A.

A-6 Tire Rotation

To equalize wear, rotate tires as illustrated in Figure 0B-5 and adjust tire pressures as shown on the tire placard which is located on the left front door edge. Radial tires should be rotated at first 7,500 miles (12 000 km) and then at least every 15,000 miles (24 000 km) thereafter.

Inflation Pressure

The cold inflation pressures listed on the Tire Placard provide for the best balance of tire life, riding comfort, and vehicle handling under normal driving conditions. Incorrect tire inflation pressures can have adverse affects on tire life and vehicle performance (fig. 0B-6). Too low an air pressure causes increased tire flexing and heat build-up. This weakens the tire and increases the chance of damage or failure. It can result in tire overloading, abnormal tire wear, adverse vehicle handling, and reduced fuel mileage. To high

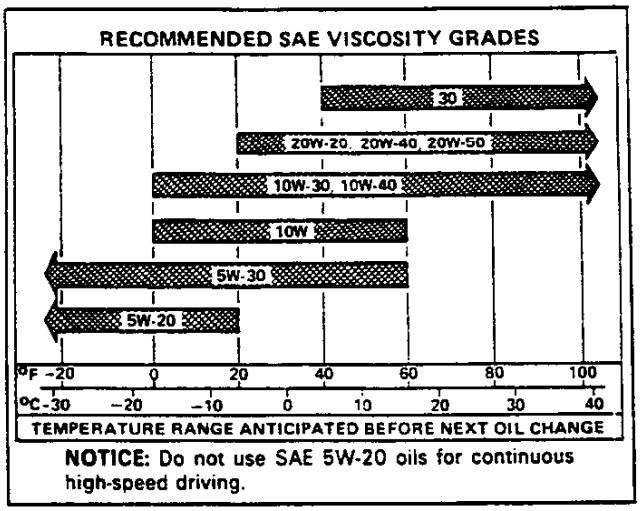


Fig. 0B-4–Engine Oil Viscosity Chart

an air pressure can result in abnormal wear, harsh ride, and also increase the chance of damage from road hazards.

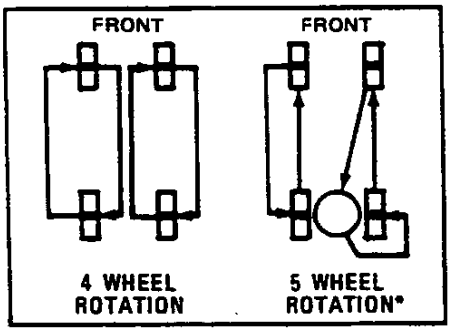
Tire inflation pressures should be checked (this includes the spare tire, unless it is a stowaway spare) at least monthly and when significantly changing the load in the vehicle. Always check tire inflation pressures when tires are "cold."

1. The "cold" tire inflation pressure applies to the tire pressure when a vehicle has not been driven more than one mile (1.6 kilometre) after sitting for three hours or more.

2. It is normal for tire pressures to increase 4-8 psi (30-60 kPa) or more when the tires become hot from driving. Do not "bleed" or reduce tire inflation pressures after driving car. Bleeding serves to reduce "cold" inflation pressure and increase tire flexing which can result in tire damage and failure.

3. **For sustained driving at speeds of 75 mph to 85 mph (120 km/h to 140 km/h)** in countries where permitted by law, cold inflation pressures must be increased 4 psi (30 kPa) above the stated cold inflation pressures on the Tire Placard up to the maximum for each load range stated in the chart below.

Sustained speeds of 75 mph to 85 mph (120 km/h to 140 km/h) are not advised when the 4 psi



ROTATION · RADIAL

***Do not include "temporary use only" spare tire in rotation.**

Fig. 0B-5–Tire Rotation

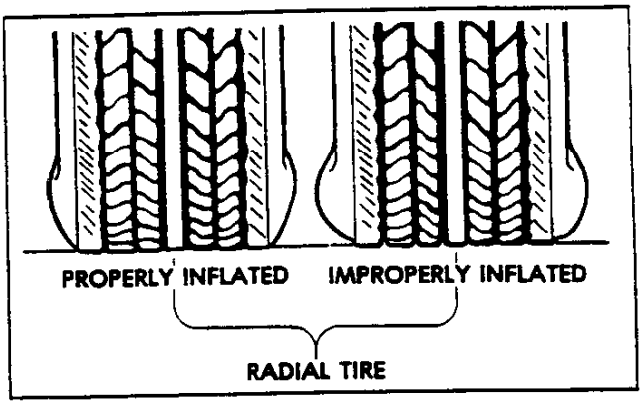


Fig. 0B-6–Properly Inflated Tire

adjustment would require pressures greater than the maximum for each load range stated on the chart. **Sustained driving at speeds over 85 mph (140 km/h), where permitted by law, is not advised** unless your vehicle is equipped with special high speed tires.

4. When towing trailers, tires should be inflated to the "Cold Tire Pressure" for "Max. Load" shown on the Tire Placard on the left front door.

The allowable passenger and cargo load for the car, also shows on the same placard, is reduced by an amount equal to the trailer tongue load on the trailer hitch.

5. Always use a tire pressure gage (a pocket type gage is advised) when checking inflation pressures. Visual inspection of tires for inflation pressures is not enough, especially in the case of radial tires. Underinflated radial tires may look similar to correctly inflated radial tires. If the inflation pressure on a tire quite often is found to be low, correct the cause.

6. Be sure to reinstall the tire inflation valve caps, if so equipped, to prevent dirt and moisture from getting into the valve core which could cause air leakage.

7. If an air loss occurs while driving, do not drive on the deflated tire more than is needed to stop safely. Driving even a short distance on a deflated tire can damage a tire and wheel beyond repair.

Inspection and Rotation

To obtain maximum tire life, inspect and rotate tires regularly. Radial tires should be rotated at the first 7,500 miles (12 000 km) and then at least every 15,000 miles (24 000 km), or whenever uneven tire wear is noticed.

After rotation be sure to check wheel nut tightness and adjust the tire pressures, front and rear (See Tire Placard).

CAUTION: Before installing wheels, any build-up of corrosion on the wheel mounting surface and brake drum or disc mounting surface should be removed by scraping and wire brushing. Installation of wheels without good metal-to-metal contact at the mounting surfaces can cause wheel nuts to loosen, which can later allow the wheel to come off while the car is in motion, possibly causing loss of control.

NOTICE: Brakes should be inspected for wear when the tires are rotated.

A-7 Rear Axle And Manual Transmission

Rear Axle

Drain, add 4 oz. of GM Part No. 1052358 lubricant additive or equivalent and then fill to level of filler plug hole with gear lubricant GM 1052271/1052272 or equivalent after the first 7,500 miles (12 000 km). Change lubricant every 15,000 miles (24 000 km) when using vehicle to pull a trailer.

Manual Transmission

Check lubricant level and add if needed.

A-8 Cooling System

(Also an Emission Service)

The coolant recovery system is standard. The coolant in the radiator expands with heat, and the overflow is collected in the recovery tank. When the system cools down, the coolant is drawn back into the radiator.

The cooling system has been filled at the factory with a quality coolant that meets General Motors Specification 1899-M.

Service

The cooling system should be serviced each year or 15,000 miles (24 000 km) as follows:

1. Wash radiator cap and filler neck with clean water.
2. Check coolant level and test for freeze protection.
3. Have system and radiator cap tested for proper pressure holding capacity, 15 psi (105 kPa). If replacement cap is needed, use a cap designed by AC or equivalent for coolant recovery systems and specified for your model.
4. Tighten hose clamps and inspect all hoses. Replace hoses if swollen, "checked", or otherwise deteriorated.
5. Clean frontal area of radiator core and air conditioning condenser.

Flush and Refill

Every two years or 30,000 miles (48 000 km), whichever occurs first, the cooling system should be flushed and refilled as follows:

1. Remove radiator cap when engine is cool:

• Rotate cap slowly to the left until it reaches a "stop" (Do not press down while turning the cap).

• Wait until pressure is relieved (indicated by a hissing sound); then press down on cap and continue to rotate to the left.

CAUTION: To help avoid the danger of being burned, do not remove the radiator cap while the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure if the cap is taken off too soon.

2. With radiator cap removed, run the engine until upper radiator hose is hot (this shows that the thermostat is open and the coolant is flowing through the system).
3. Stop engine and open radiator drain valve to drain coolant. (Drainage may be speeded by removing drain plugs in the block.)
4. Close drain valve (install block drain plugs, if removed). Add water until system is filled.
5. Repeat steps 3, and 4 several times until the drained liquid is nearly colorless.
6. Drain system and then close radiator drain valve tightly. (Install block drain plugs, if removed.)
7. Remove recovery tank cap, leaving hoses in place. Remove coolant recovery tank and empty fluid. Scrub and clean inside of tank with soap and water. Flush well with clean water and drain. Reinstall tank.
8. Add enough ethylene glycol solution, meeting GM Specification 1899-M, and water to provide the required cooling function as well as freezing and corrosion protection. Use a 50 percent solution, -34°F (-36°C), but no more than a 70 percent solution. Fill radiator to the base of the radiator filler neck and raise level of coolant in the recovery tank to the "Full Hot" mark. Reinstall recovery tank cap.
9. Run engine, with radiator cap removed, until radiator upper hose is hot.
10. With engine idling, add coolant to radiator until level reaches bottom of filler neck. Install cap, making sure arrows line up with overflow tube.

It is the owner's responsibility to:

• Maintain cooling system freeze protection at -34°F (-37°C) to ensure protection against corrosion and loss of coolant from boiling. This should be done even if freezing temperatures are not expected.

• Add ethylene glycol base coolant that meets GM Specification 1899-M when coolant has to be added because of coolant loss or to provide added protection against freezing at temperatures lower than -34°F (-37°C).

NOTICE: Alcohol or methanol base coolants or plain water alone should not be used in a vehicle at any time.

Radiator Pressure Cap

The radiator cap, a 15 psi (105 kPa) pressure type, must be installed tightly, otherwise coolant may be lost and damage to engine may result from overheating. Radiator pressure caps should be checked periodically for proper operation.

Thermostat

The engine coolant temperature is controlled by a thermostat. It stops coolant flow through the radiator until a pre-set temperature is reached. This thermostat is installed on the engine block. The same thermostat is used in both winter and summer.

A-9 Wheel Bearing

For normal application, clean and repack front wheel bearings with a high melting point wheel bearing lubricant at each front brake lining replacement or 30,000 miles (48 000 km), which ever occurs first. For heavy duty application such as police cars and taxi cabs, clean and repack front wheel bearings at each front brake lining replacement or 15,000 miles (24 000 km) which ever occurs first.

Use Wheel Bearing Lubricant GM Part No. 1051344 or equivalent. This is a premium high melting point lubricant.

NOTICE: "Long fiber" or "viscous" type lubricant should not be used. Do not mix wheel bearing lubricants. Be sure to thoroughly clean bearings and hubs of all old lubricant before repacking.

Tapered roller bearings used in this vehicle have a slightly loose feel when properly adjusted. They must never be over tightened (preloaded) or severe bearing damage may result.

Refer to section 3C for proper detailed adjustment procedures and specifications.

A-10 Manual Steering Gear

The steering gear is factory-filled with steering gear lubricant. Seasonal change of this lubricant should not be performed and the housing should not be drained-no lubrication is required for the life of the steering gear.

Inspect for seal leakage (actual solid grease-not just oily film). If a seal is replaced or the gear is overhauled, the gear housing should be refilled only with the proper Steering Gear Lubricant as noted below.

NOTICE: Use only 1052084 Steering Gear Lubricant which meets GM Specification 4673M, or its equivalent.

Do not use EP chassis lube, meeting GM Specification 6031M, to lubricate the gear. DO NOT OVER-FILL the gear housing.

A-11 Clutch Cross-Shaft

Remove the plug, install a lubrication fitting and lubricate with water resistant EP Chassis Lubricant which meets GM Specification 6031M.

A-12 Automatic Transmission Fluid

Refer to A-2 for checking automatic transmission. Change the transmission fluid and service screen every 15,-000 miles (24 000 km) if the vehicle has been driven under one or more of these hot conditions:

- In heavy city traffic where the outside temperature regularly reaches 90°F (32°C).
- In hill or mountain areas.
- In hill or mountain areas.
- Frequent trailer pulling.
- Frequent trailer pulling.
- Uses such as taxi, police car or delivery service. If the vehicle was not used mainly under any of these conditions, change the fluid and service screen each 100,000 miles (160 000 km).

NOTICE: DO NOT OVERFILL it takes only one pint (0.5 litre) to raise level from "Add" to "Full" with a hot transmission.

SECTION B

SAFETY MAINTENANCE

B-1 Owner Safety Checks

The maintenance Schedule in the glove box lists items to be checked by the owner.

B-2 Tires, Wheels, and Disc Brakes

During tire rotation, check disc brake pads for wear, and surface condition of rotors while wheels are removed (see Item A-6). Check tires for excessive or abnormal wear, or damage. Be sure wheels are not bent or cracked and that wheel nuts have been tightened to the torque value shown in Section 3E.

B-3 Exhaust System

Check the complete exhaust system, including the catalytic converter. Check body areas near the exhaust system. Look for broken, damaged, missing, or out-of-position parts. Also, inspect for open seams, holes, loose connections, or other conditions which could cause a heat build up in the floor pan, or could let exhaust fumes seep into the passenger compartment. Dust or water in the passenger compartment may indicate a leak in the area. Needed repairs should be made at once. To help maintain system integrity, replace the exhaust pipes and resonators rearward of the muffler whenever a new muffler is put on.

B-4 Suspension and Steering

Check front and rear suspension, and steering system. Look for damaged, loose, or missing parts; also for parts showing signs of wear, or lack of lubrication. Replace questionable parts at once.

B-5 Brakes and Power Steering

Check lines and hoses for proper hook-up, binding, leaks, cracks, chafing, etc. Any questionable parts should be replaced or repaired at once. When rubbing or wear is noted on lines or hoses, the cause must be corrected promptly.

B-6 Engine Drive Belts

(Also an Emission Service)

Check belts driving the fan, AIR pump, generator, power steering pump, and the air conditioning compressor. Look for cracks, fraying, wear, and proper tension. Adjust or replace as needed.

Frayed or cracked belts should be replaced and tensioned to specifications using a strand tension gage, such as tool J-23600 or equivalent.

Loose belts may place an extremely high impact load on driven component bearings due to the whipping action of the belt.

An over tightened belt places unnecessary loads on the component bearings.

In the chart, the minimum reading is the lowest allowable setting before the belt must be reset. When readjusting, the adjustment specification should be met. When adjusting a drive belt, it is important that the proper adjustment specification be used.

NOTICE: A "Used" belt is one that has been rotated at least one complete revolution on engine pulleys. This begins the "seating" of the belt and it should never be reset to "New" belt specifications.

TENSION SPECIFICATIONS

GENERATOR A.I.R. PUMP P/S PUMP	50 LB. MIN.	ADJUST TO 75 ± 5 LBS. USED ADJUST TO 125 ± 5 LBS. NEW
A/C COMPRESSOR	65 LB. MIN.	ADJUST TO 95 ± 5 LBS. USED ADJUST TO 140 ± 5 LBS. NEW

Fig. 0B-7–Engine Drive Belt Chart

B-7 Parking Brake

Check parking brake adjustment.

B-8 Throttle Linkage

Check for damaged or missing parts, interference or binding. Fix any problems at once.

B-9 Bumpers

Check front and rear bumper systems for proper impact protection and clearance. Check also when a bumper looks out of position or if it was struck hard--even if no damage can be seen.

SECTION C

EMISSION CONTROL MAINTENANCE

Refer to Sections 6C or 6E for procedures needed to service the items below:

C-1 Thermostatically Controlled Air Cleaner

Check all hoses and ducts for correct hookup. Be sure valve works properly.

C-2 Carburetor Choke and Hoses

Check that choke and vacuum break work properly. Correct any binding caused by damage or gum on the choke shaft. Check hoses for proper hookup, cracks, rubbing, or decay, correct as needed.

C-3 Engine Idle Speed

Adjust to the specifications shown on the underhood label. You must use calibrated test equipment.

C-4 Early Fuel Evaporation (EFE) System

Check that valve works properly, correct any binding. Check that thermal vacuum switch works properly. Check hoses for cracks, rubbing, or decay. Replace parts as needed.

C-5 Carburetor Mounting

Torque mounting bolts and/or nuts at mileage shown on Maintenance Schedule.

C-6 Vacuum Advance System and Hoses

Check that system works properly. Check hoses for proper hookup, cracks, rubbing or decay. Replace parts as needed.

C-7 Fuel Filter

Replace at mileage shown on Maintenance Schedule or sooner if clogged.

C-8 Positive Crankcase Ventilation System (PCV)

Check that system works properly each 15,000 miles (24 000 km). Each 30,000 miles (48 000 km) replace the valve, filter and replace worn or plugged hoses.

C-9 Spark Plug Wires

Clean wires. Remove corrosion on terminals. Check the wires for checks, burns, cracks or other damage. Check the boot fit at distributor cap and spark plugs. Replace wire if damaged or if corrosion cannot be cleaned.

C-10 Idler Stop Solenoid and/or Dashpot

Check that parts work properly. Replace them as needed.

C-11 Spark Plugs

Replace as shown on Schedule. Use the type shown on underhood label.

C-12 Timing and Distributor Cap

Adjust timing to underhood label specifications. Check the inside and outside of the cap and rotor for cracks, carbon tracking and corrosion. Clean or replace as needed.

C-13 Carburetor Vacuum Break

Check that linkage works properly correct any binding. Check hoses for proper hookup and condition. Replace parts as needed. If necessary, reset vacuum break as shown in Section 6C.

C-14 Air Cleaner Element

Replace at mileage shown on Schedule. Replace more often under dusty conditions.

C-15 Evaporation Control System (ECS)

Check all fuel and vapor lines and hoses for proper hookup routing and condition. Check that bowl vent and purge valves work properly, if equipped. Remove canister check for cracks or damage. Replace as needed. Replace canister filter.

C-16 Fuel Cap, Fuel Lines, and Fuel Tank

Check the fuel tank, cap and lines for damage or leaks Remove fuel cap, check gasket for an even filler neck imprint, and any damage. Replace parts as needed.

SPECIFICATIONS

RECOMMENDED FLUIDS AND LUBRICANTS

USAGE	FLUID/LUBRICANT
Power steering system and pump reservoir	GM power steering fluid Part No. 1050017 or equivalent
Rear Axle — Limited-Slip Differential	GM Part No. 1052271 or 1052272* or equivalent Before filling with above lubricant, add 4 ounces GM Part No. 1052358 lubricant additive or equivalent
Manual Steering Gear	Lubricant GM Part No. 1052084 or equivalent
Manual Transmission	SAE-80W or SAE-80W-90 GL-5 gear lubricant (SAE-80W GL-5 in Canada)
Brake System and Master Cylinder	Delco Supreme 11 fluid or DOT-3 fluids
Clutch Linkage (Man. Trans. only) a. Pivot points b. Push rod to clutch fork joint, and cross shaft pressure fitting	a. Engine oil b. Chassis grease meeting requirements of GM 6031-M
Manual Transmission Shift Linkage, column shift	Chassis Grease
Shift Linkage, floor shift	Engine oil
Hood Latch Assembly a. Pivots and spring anchor b. Release pawl	a. Engine Oil b. Chassis Grease
Hood and Door Hinges	Engine Oil
Automatic Transmission Shift Linkage	Engine Oil
Chassis Lubrication	Chassis grease meeting requirements of GM 6031-M
Automatic Transmission	DEXRON®-II Automatic Transmission Fluid
Key Lock Cylinders	WD-40 Spray Lubricant or equivalent
Parking Brake Cables	Chassis Grease
Front Wheel Bearings	GM Lubricant, Part No. 1051344 or equivalent
Rear Wheel Inner Bearing	Lubricant GM Part No. 1052497 or equivalent
Body door hinge pins, fuel door hinge	Engine Oil
Engine Oil	"SE" Engine Oil conforming to GM Specs. 6136-M
Windshield Washer Solvent	GM Optikleen washer solvent Part No. 1051515 or equivalent
Engine Coolant	Mixture of water and a good quality Ethylene Glycol base antifreeze conforming to GM Spec. 1899-M

CAPACITIES

	U.S. MEASURE		IMPERIAL MEASURE
Differential		4 pts.	3¼ pts.
Engine Crankcase — Drain & Refill — w/Filter Change	3.8 L 4.6 L	4 qts. 5 qts.	3¼ qts. 4¼ qts.
Fuel Tank		23.7 gal.	19.7 gal.
Transmission Automatic Manual		 10 qts. 3 pts.	 8¼ qts. 2½ pts.
Cooling System		21 qts.	17½ qts.

VEHICLE LIFTING POINTS

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

Many dealer service facilities and service stations are now equipped with a type of automotive hoist which must bear upon some part of the frame in order to lift the vehicle. In Figure 0B-8, the shaded areas indicate areas recommended for hoist contact.

NOTICE: The vehicle should never be lifted by the rear lower control arms.

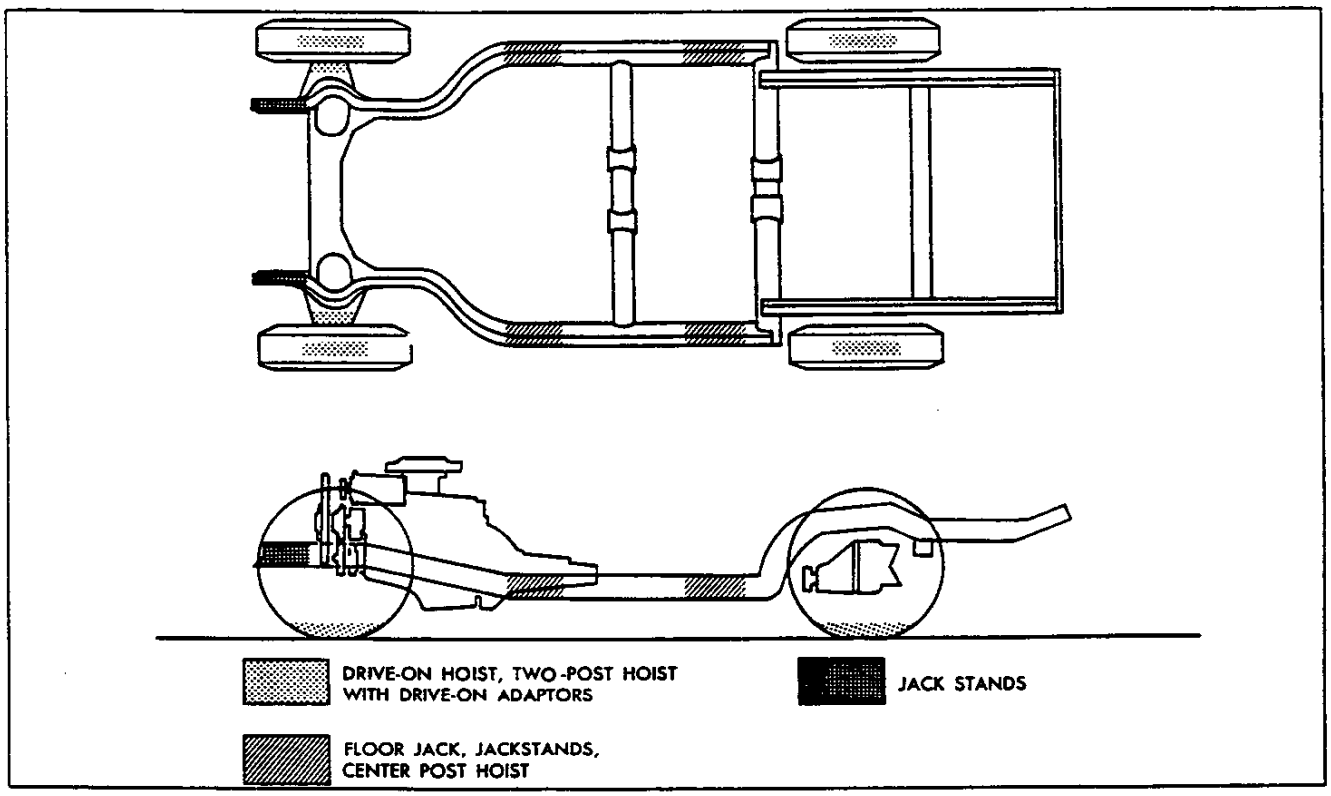


Fig. 0B-8--Vehicle Lifting Points

CHEVROLET NEWS

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General Motors Corporation • General Motors Buildi
Detroit, Michigan 48202 • (313) 556-59

FOR RELEASE September 21, 1978

#8436

1979 CORVETTE

Corvette for 1979 has refinements in performance, handling and interior comfort.

The aerodynamic fastback coupe introduced in 1978 is continued with black moldings on the roof panel and rear window. And the 25th anniversary emblems, front and rear, are replaced by the traditional "Cross Flags" which have identified Corvettes for the past quarter century.

Inside, the highback bucket seats introduced with the Limited Edition in mid-1978, are standard. The seat has a more modern, competition look with deep poly foam cushions and high side bolsters for comfort and support.

Also, a unique high pivot point for the seat backrest allows the back to fold flat level with the luggage area load floor. This makes access to the luggage area easier and the folded seat back on the passenger side can be used as an extension of the load floor.

The design uses fiberglass reinforced plastic for seat shell construction resulting in a savings of approximately 24 lbs. per car. The seat also has an inertia backrest lock which locks automatically during a sudden stop. Further, there is an extra inch of forward travel in the seat adjusters to aid short drivers.

A new cloth pattern replaces the ribbed material on seat surfaces and sidewalls when the cloth and leather interior is ordered.

(more)

Manual transmission equipped Corvettes now use the same base shock absorbers as automatic transmission models, for a more comfortable ride. And for automatic transmission equipped Corvettes, more responsive performance throughout the speed ranges has been accomplished with an increase in the rear axle ratio from 3:08 to 3:55.

Several refinements to the 5.7 litre base engine contribute to increased horsepower and torque and cold engine driveability.

The major refinement incorporates high performance L82 type dual snorkel intakes for the air cleaner to improve engine breathing, horsepower and torque. Also aiding engine output is a larger diameter "Y" pipe behind the emission converter and new open-flow mufflers to reduce exhaust gas back pressure.

Cold engine operation is improved with the trapped vacuum spark advance system and driveability is enhanced with a new exhaust gas recirculation (EGR) system.

AM/FM radio is now standard equipment.

New options include heavy-duty shock absorbers that give better ride control without the higher rate springs found in the Gymkhana package. Also new are high intensity high-beam headlamps, an illuminated visor mirror and AM/FM stereo radio with cassette player.

Mid-year additions in 1978 models of optional transparent roof panels, power door locks and dual rear stereo radio speakers are continued for 1979.

# # # #

CHEVROLET Central Office

December 1, 1978

TO ALL CHEVROLET DEALERS:

SUBJECT: 1979 MODEL PASSENGER VEHICLE EXTERIOR NOISE REGULATION REQUIREMENTS FOR STATES AND MUNICIPALITIES

My letter of September 15, 1978, on the subject of exterior noise regulations listed the Light Duty Vehicle "restricted model and option combinations" that do not meet the noise level requirements for certain geographic locations. Similarly, the following Passenger Vehicle model and option combination does not meet the noise level requirements for the locations specified:

CONDITION:

Model: 1YZ87 Corvette Coupe
Option: L82 5.7 Litre 4 BBL V8 Engine

LOCATIONS:

States: Florida, Maryland, Oregon, Washington
County: Cook, Illinois
Cities: Boston, Massachusetts; Chicago, Illinois; Des Plaines, Illinois; Grand Rapids, Michigan

This model and option combination may not be ordered if the sale is to be made in the areas shown. This also applies to new vehicles leased in Boston, Florida, or Maryland. Sales and leases of used vehicles are not subject to these noise standards.

There may be courtesy delivery situations where dealers located in the "restricted areas" will have sales or lease transactions that are not subject to the noise standards. Sales and leases that do not occur "in" these areas, even though transacted by a dealer located there, are not subject to the noise standards of the area. On the other hand, dealers not located in those areas may be subject to these standards if they make sales or leases in such a way that the delivery of the unit occurs in a restricted area. For advice as to the types of transactions that are not subject to these noise standards, dealers should consult their attorneys.

AS YOU KNOW, THE SELLING OR LEASING DEALER MUST DETERMINE NOISE REGULATION REQUIREMENTS ON INDIVIDUAL VEHICLES; THEREFORE, YOU SHOULD PLACE YOUR ORDERS ACCORDINGLY.

Very truly yours,

R. E. Cook

R. E. COOK
General Sales Manager

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ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description
A31	WINDOWS, POWER
B3W	PRELIMINARY PRICE INFORMATION
CC1	ROOF PANELS: Removable Glass
C49	DEFOGGER, REAR WINDOW: Electric
C60	AIR CONDITIONING
D35	MIRRORS: Sport, LH Remote and RH Manual
D60	NON-RECOMMENDED COLOR COMBINATION
D80	SPOILERS: Front and Rear
FE7	SUSPENSION EQUIPMENT: Suspension, Gymkhana
F51	SHOCK ABSORBERS: Heavy-Duty
G95	AXLE, REAR: Highway Ratio
K30	SPEED CONTROL: Automatic
L48	ENGINE: 5.7 Litre 4 BBL V8
L82	ENGINE: 5.7 Litre 4 BBL V8
MM4	TRANSMISSION: 4-Speed Manual
MX1	TRANSMISSION: Automatic
M21	TRANSMISSION: 4-Speed Close-Ratio Manual
NA5	EMISSION SYSTEM: Standard Emission Equipment
NA6	EMISSION SYSTEM: High Altitude Emission Equipment
N37	STEERING WHEEL: Tilt-Telescopic
N90	WHEEL TRIM: Wheels, Aluminum
QBS	TIRES: P255/60 R-15 W/L (Radial)
QGQ	TIRES: P225/70 R-15 B/W (Radial)
QGR	TIRES: P225/70 R-15 W/L (Radial)
UA1	BATTERY, HEAVY-DUTY
UM2	RADIO EQUIPMENT: AM/FM Stereo Radio with 8-Track Stereo Tape
UN3	RADIO EQUIPMENT: AM/FM Stereo Radio with Stereo Cassette Tape
UP6	RADIO EQUIPMENT: AM/FM Stereo/ Citizens Band Radio with Power Antenna
U58	RADIO EQUIPMENT: AM/FM Stereo Radio
U75	RADIO EQUIPMENT: Power Antenna
U81	RADIO EQUIPMENT: Speakers, Dual Rear
YF5	EMISSION SYSTEM: California Emission Requirements
ZN1	CHASSIS EQUIPMENT, TRAILERING
ZQ2	WINDOWS AND DOOR LOCKS: Power
ZX2	CONVENIENCE GROUP

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer checks the appropriate order form box (D60), as verification that the requested combination is definitely desired.

Seat, Headliner, Door Trim Color and Instrument Panel Pad	Black	Blue Dark	Beige Light	Red	Green Dark	Oyster
Carpet Color	Black	Blue Dark	Beige Light	Red	Green Dark	Gray
MODEL **SEAT TYPE**						
1YZ87 Leather Bucket	ABB2	ADD2	AUU2	ARR2	AGG2	AWW2
1YZ87 Cloth/Leather Bucket		HDD2	HUU2		HGG2	HWW2

EXTERIOR PAINT COLOR	COLOR CODE L	COLOR CODE U						
Beige, Corvette Light	59	59	R	A	R	A	R	
Black	19	19	R		R	R		R
Blue, Corvette Dark (Met)	83	83	A	R	R	A		R
Blue, Corvette Light	28	28	A	R				A
Brown, Corvette Dark (Met)	67	67	A		R			A
Green, Corvette Dark (Met)	58	58	A		R		R	R
Red, Corvette	72	72	R		R	R		R
Silver	13	13	R	R		R	R	A
White, Classic	10	10	R	R	R	R	R	R
Yellow, Corvette	52	52	R		A			R

L = Lower U = Upper

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION		AXLE RATIO		
		3.36	3.55	3.70
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSIONS				
L48	MM4	Std	—	—
	MX1	—	Std	—
L82	MM4	G95	—	Std
	M21	—	—	Std
	MX1	—	Std	—
WITH YF5 CALIFORNIA EMISSIONS				
L48	MX1	—	Std	—
WITH NA6 HIGH ALTITUDE EMISSIONS				
L48	MX1	—	Std	—

CORVETTE

REFER WEEKLY STOPS LATEST UPDATE

MODEL
1YZ87 Corvette Coupe

MUST ORDER ONE: ***ENGINES***

AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT
_____ L48 5.7 Litre 4 BBL V8
_____ L82 5.7 Litre 4 BBL V8

AVAILABLE WITH NA6 HIGH ALTITUDE EMISSION EQUIPMENT
(Recommended Above 4000 Foot Altitude)
_____ L48 5.7 Litre 4 BBL V8 (Reqs MX1 Trans)

CALIFORNIA EMISSION REQUIREMENTS *(REQS YF5)*
_____ L48 5.7 Litre 4 BBL V8 (Reqs MX1 Trans)

✓QUICK-SPEC

IF TIRE AND/OR TRANSMISSION IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE AND/OR TRANSMISSION OPTION.		6 1 5 A	6 1 6 B
Air Conditioning	C60	x	x
Convenience Group	ZX2	x	x
Mirrors, Sport	D35	x	x
Radio, AM/FM Stereo	U58	x	N/I
Steering Wheel, Tilt-Telescopic	N37	x	x
Tires, P225/70 R-15 W/L	QGR	x	x
Transmission, Automatic	MX1	x	x
Windows, Power	A31	x	N/I
Defogger, Rear Window Electric	C49		x
Power Antenna	U75		x
Radio, AM/FM Stereo w/8-Track Stereo Tape	UM2		x
Speakers, Dual Rear	U81		x
Speed Control (w/MX1 Trans Only)	K30		x
Wheels, Aluminum	N90		x
Windows and Door Locks, Power	ZQ2		x

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

✓Q-S	OPTION	
615	C60	**AIR CONDITIONING**
___	G95	**AXLE, REAR:** Highway Ratio *(See Power Teams Chart) (Reqs L82 Eng and MM4 Trans)*
___	UA1	**BATTERY, HEAVY-DUTY:** *(N/A C49 Defogger w/C60 Air)*
___	ZN1	**CHASSIS EQUIPMENT, TRAILERING:** *(Reqs L48 Eng and MX1 Trans) (Incls FE7 Susp and Increased Cooling)*
615	ZX2	**CONVENIENCE GROUP**
616	C49	**DEFOGGER, REAR WINDOW:** Electric
		EMISSION SYSTEMS: ***(Must Order Only One)*** *(See Power Teams Chart)*
___	YF5	— California Emission Requirements
___	NA6	— High Altitude Emission Equipment
___	NA5	— Standard Emission Equipment
615	D35	**MIRRORS:** Sport, LH Remote and RH Manual
___	B3W	**PRELIMINARY PRICE INFORMATION**
		RADIO EQUIPMENT:
615	U58	— AM/FM Stereo Radio
616	UM2	— AM/FM Stereo Radio w/8-Track Stereo Tape
___	UN3	— AM/FM Stereo Radio w/Stereo Cassette Tape
___	UP6	— AM/FM Stereo/Citizens Band Radio w Power Antenna
616	U81	— Speakers, Dual Rear *(Reqs U58, UM2, UN3 or UP6 Radio)*
616	U75	— Power Antenna *(N/A UP6 Radio)*
___	CC1	**ROOF PANELS:** Removable Glass
616	K30	**SPEED CONTROL:** Automatic *(Reqs MX1 Trans)*
___	D80	**SPOILERS:** Front and Rear
615	N37	**STEERING WHEEL:** Tilt-Telescopic
		SUSPENSION EQUIPMENT:
___	FE7	— Suspension, Gymkhana, Front and Rear *(Incl w/ZN1 Chassis Equip)*
___	F51	— Shock Absorbers, Heavy-Duty *(N/A ZN1 Chassis Equip or FE7 Susp)*
		TIRES: *(B/W: Blackwall, W/L: White Lettered)* Steel Belted Radial Ply
___	QGQ	— P225/70 R-15 B/W *(Base)*
615	QGR	— P225/70 R-15 W/L
		Aramid Belted Radial Ply
___	Q8S	— P255/60 R-15 W/L
		TRANSMISSIONS: *(See Power Teams Chart)*
___	MM4	— 4-Speed Manual
___	M21	— 4-Speed Close-Ratio Manual *(Reqs L82 Eng)*
615	MX1	— Automatic
616	N90	**WHEEL TRIM:** Wheels, Aluminum
615	A31	**WINDOWS:** Power
616	ZQ2	**WINDOW AND DOOR LOCKS:** Power

NOTES

Ever since 1953, to own a Corvette has been something wished for by every kid who's knee-high to a hubcap.

Corvette. A magic machine to whisk you away from everyday.

Corvette. The one, the only, true American production sports car.

Nothing looks like it, quite moves like it or feels like it. Beautiful in line, in detail, in capability, in engineering.

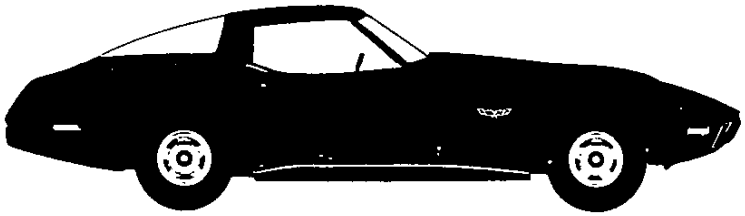
Corvette. The pride of every individual who drives one. And the pride of Chevrolet.

On the next few pages you can explore the 1979 Corvette. You can see what makes it beautiful, read what makes it go, sense what makes it tick. You will learn of some of the refinements which continue this year, as every year, to increase Corvette's value and appeal.

And you can discover again what you've felt all along:

There's really only one of its kind.

1979 CORVETTE



Corvette Coupe

Corvette	Model No.
Coupe	1YZ87

Index

Also see Value Features section for additional details.

See Dealer Order Guide for latest available information.

CORVETTE VALUE FEATURES FOR 1979

New Features for 1979 shown in Bold Face

ENGINE/CHASSIS

- 5.7 Litre 4-Bbl. V8 engine *standard*
- Automatic transmission or four-speed fully synchronized transmission *standard*. See Power Teams for availability
- **New improved Exhaust Gas Recirculation (EGR) and cold trapped spark control system for standard 5.7 Litre V8 engine (49 states application) contribute to good drivability**
- High Energy Ignition system *standard*
- **New dual snorkel carburetor air cleaner**
- Early Fuel Evaporation systems on all engines for quick warm-up
- **New larger diameter dual exhaust system**
- Heavy-gage frame structure with corrosion-resistant coating
- Energy-absorbing honeycomb cushion front bumper system
- Energy-absorbing rear bumper system
- Power disc brakes at all four wheels *standard*
- Limited slip differential *standard*
- **New 3.55 rear axle ratio with automatic transmission only**
- Fully independent four-wheel suspension system *standard*
- Power steering *standard*
- Temperature-controlled engine radiator fan
- Exhaust valve rotators on all engines
- Delco Freedom battery that never needs refilling *standard*. Sealed side terminals help prevent corrosion buildup
- Delcotron generator with built-in solid-state regulator *standard*
- Hydraulic valve lifters *standard*
- Large-diameter front stabilizer bar *standard*
- P225/70R-15 steel-belted radial ply blackwall tires *standard*
- Wide 15 x 8 wheels *standard*
- Long recommended service intervals for oil change, oil filter, spark plugs, chassis lubrication and automatic transmission fluid

BODY

- Tinted glass in all windows *standard*
- Concealed windshield wipers with integral washers in wiper arms *standard*
- Wide outside rearview mirror *standard*
- Power-operated retractable headlights *standard*
- High-rise front fenders with functional louvers
- Corrosion-resistant steel-reinforced fiberglass body with partial steel underbody
- Built-in anti-theft audio alarm system control switch integral with driver's door lock *standard*

INTERIOR

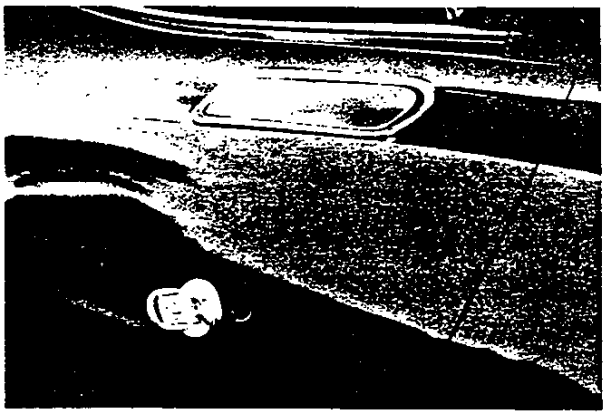
- Choice of cloth and leather seat trim (cloth cushion and seat back panels) or all leather trim (leather cushion and seat back panels)
- Day/night inside rearview mirror *standard*
- **Bucket seat design includes forward flat-folding passenger seat back**
- **Seat travel adjustment increased for both driver and passenger**
- Special sport-styled 4-spoke steering wheel *standard*
- **Improved anti-theft steering column lock *standard***
- Aircraft-style center console *standard*
- Tachometer (7,000 rpm) *standard*
- Delco AM/FM radio *standard*
- Electric clock *standard*
- Voltmeter, oil pressure, fuel and temperature gages *standard*
- Separate trip odometer *standard*
- Console-mounted parking brake control *standard*
- Cut-pile carpeting *standard*
- Swiveling sun visors *standard*
- Color-keyed seat belts *standard*
- Folding seat back latches
- Roof courtesy light with automatic door switches *standard*
- Rear compartment stowage *standard*

NEW OPTIONS

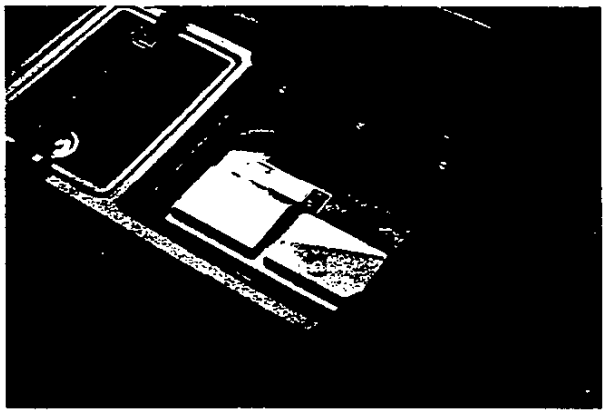
- Delco AM/FM Stereo Radio with Stereo Cassette Tape
- Power Door Locks and Windows
- Heavy Duty Shock Absorbers

Bucket Seats With Fold-Down Passenger Seat Back Design ***Standard***

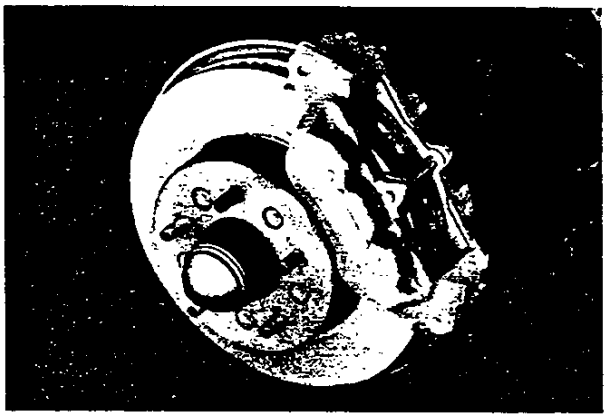
Luggage Security Shade ***Standard***



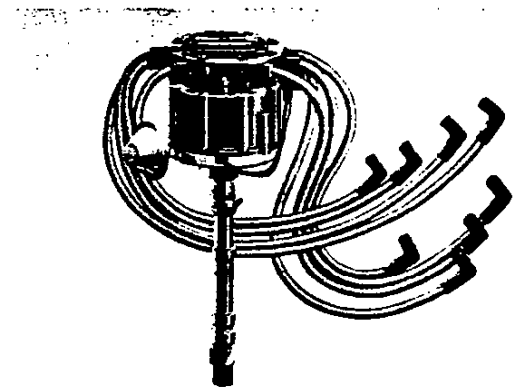
Built-In Anti-Theft Audio Alarm System ***Standard***



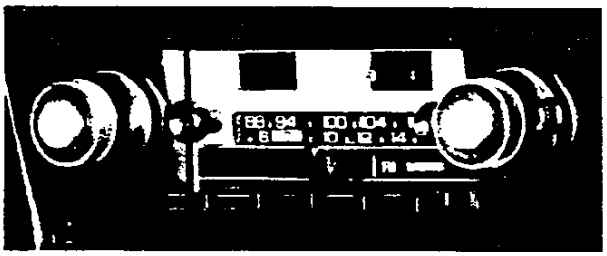
Delco Freedom Battery ***Standard***



Disc Brakes At All Four Wheels ***Standard***



High Energy Ignition System ***Standard***

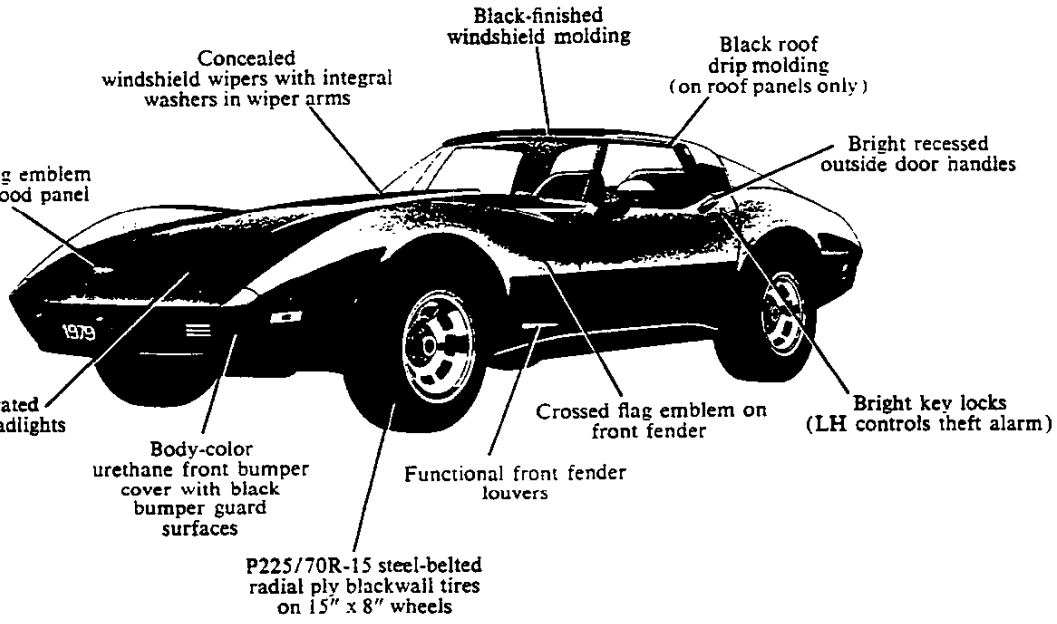


Available Delco AM/FM Stereo Radio

Improved Anti-Theft Steering Column Lock ***Standard***

CORVETTE

Coupe

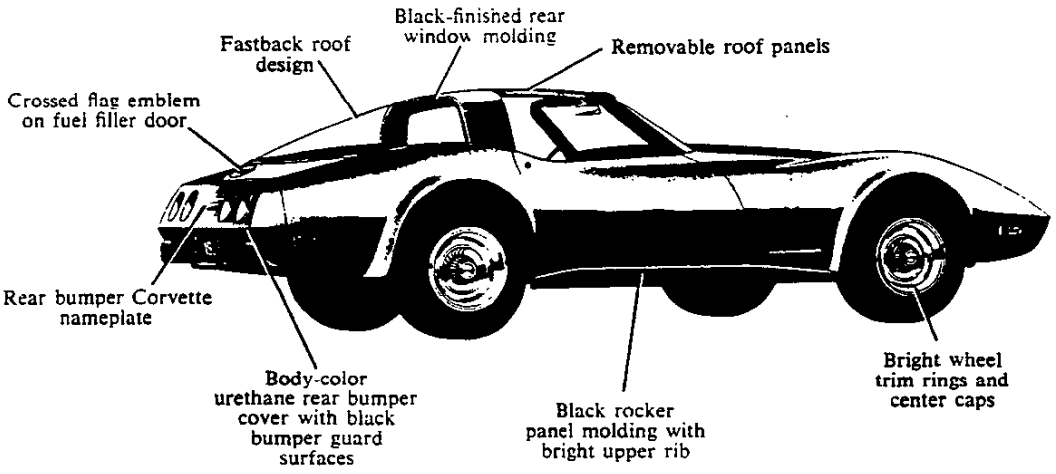


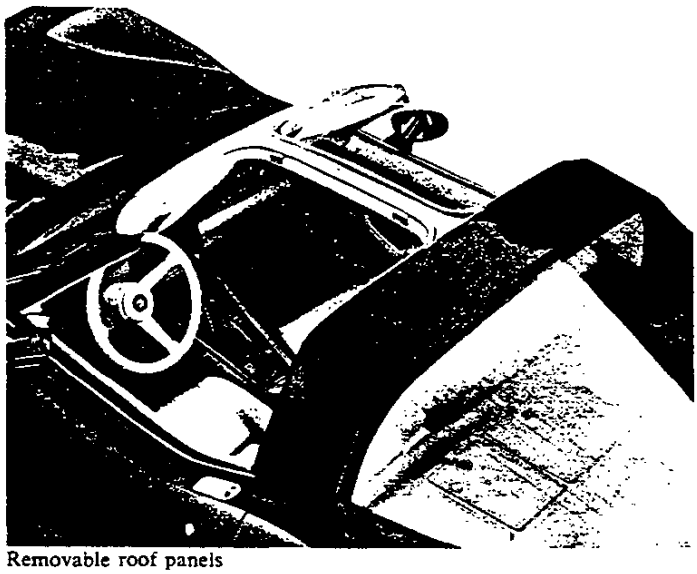
Standard Corvette Bright Trim Rings and Center Caps

Available Aluminum Wheel (RPO N90)

CORVETTE

Coupe





Removable roof panels

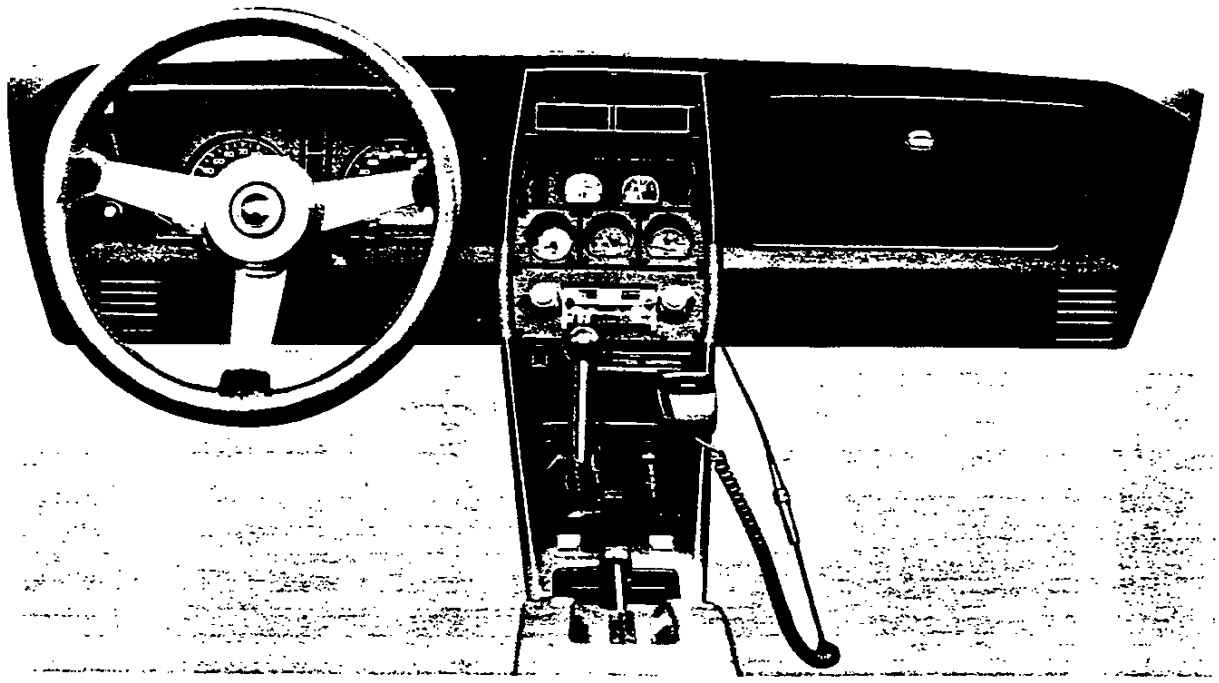
INTERIOR FEATURES

Corvette Bucket Seats Offered In Choice Of Cloth And Leather Trim Shown (Cloth Cushion And Seat Back Panels) Or All Leather Trim (Leather Cushion And Seat Back Panels)

INTERIOR FEATURES	Corvette
Bucket seats with folding seat backs and inertia seat back locks	S
Forward flat-folding passenger seat back	S
Choice of leather or cloth and leather seat trim on seating surfaces	S
Single loop seat belt system with concealed retractors	S
Color-keyed door trim panels with padded armrests, carpeted lower kick pads, and map storage pockets	S
Day/night rearview mirror	S
Color-keyed coat hook on passenger side	S
Molded headlining with sun visor pockets	S
Center dome light between roof panels	S
Color-keyed roof panel tie down straps and black stowage bags	S
Color-keyed carpeting in passenger compartment and rear stowage area	S
Luggage Security Shade (retractable).	S
Additional lockable and non-lockable under floor stowage behind seats	S
Tinted glass (all windows)	S
Parking brake lever between bucket seats	S

S—Standard

CORVETTE INSTRUMENT PANEL



Corvette's Unique Instrument Panel
Shown with available options

INSTRUMENT PANEL FEATURES	
Delco AM/FM radio	S
Color-keyed, four-spoke steering wheel	S
Tilt Telescopic steering column includes color-keyed, leather wrapped 3-spoke steering wheel	EC
Column-mounted lever for turn signal and headlight beam	S
Cigarette lighter in ashtray on console	S
Electric clock	S
7000 RPM electronic tachometer	S
Aircraft style voltmeter, temperature, oil pressure and fuel gages	S
140 mph speedometer with trip odometer	S
Low fuel indicator	EC
Intermittent windshield wiper control	EC
Four-speed or automatic transmission with console mounted control	S
Bright accents on dash and console	S
Bright glove compartment door lock	S

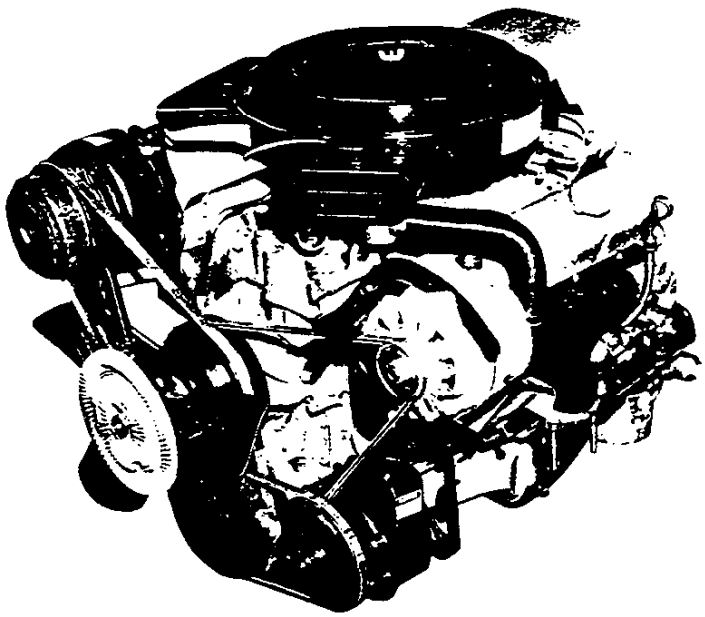
S—Standard; EC—Extra Cost

AVAILABLE OPTIONS

	RPO	Price
Air Conditioning	C60	
Axle Ratio, Highway. NA with standard 5.7 Litre V8 or with Automatic Transmission	G95	
Battery, Heavy-Duty. Required with Electric Rear Window Defogger & Air Conditioning Combined	UA1	
Chassis Equipment—Trailering. Includes Heavy-Duty Radiator and Gymkhana Suspension. Available only with standard 5.7 Litre V8 and Automatic Transmission	ZN1	
Convenience Group. Includes time-delay dome and courtesy lights, headlight warning buzzer, underhood light, low fuel warning light, color-keyed floor mats, intermittent windshield wipers and RH visor vanity mirror	ZX2	
Defogger, Electric Rear Window. Available with Heavy-Duty Battery and Air Conditioning only	C49	
Emission Equipment: See Power Teams for availability		
Standard Emission System	NA5	
California Emission Requirements	YF5	
High Altitude Emission Equipment	NA6	
Engine: See Power Teams for availability		
5.7 Litre 4-Bbl. V8	L82	
Mirrors, Sport—LH Remote & RH Manual	D35	
Radio Equipment: Includes 30" fixed height rear antenna (except with Power Antenna)		
AM/FM Radio	U69	
AM/FM Stereo/Citizens Band Radio with Tri-Band Power Antenna	UP6	
AM/FM Stereo Radio	U58	
AM/FM Stereo Radio with 8-Track Stereo Tape	UM2	
AM/FM Stereo Radio with Stereo Cassette Tape	UN3	
Power Antenna. NA with AM/FM Stereo/Citizens Band Radio	U75	
Speakers, Dual Rear. NA with AM/FM Radio	U81	
Roof Panels, Removable Glass. Twin removable tinted glass panels	CC1	
Speed Control, Automatic. Requires Automatic Transmission	K30	
Steering Wheel, Tilt-Telescopic. Includes color-keyed leather-wrapped Sport Steering Wheel	N37	
Suspension Equipment:		
Gymkhana. Includes larger-diameter front and rear stabilizers and bushings, higher-capacity springs and special shock absorbers	FE7	
Shock Absorbers, Heavy-Duty. NA with Trailering Equipment or Gymkhana Suspension	F51	
Tires:		
P225/70R-15 Steel Belted Radial Ply White Lettered	QGR	
P255/60R-15 Aramid Belted Radial Ply White Lettered	QBS	
Transmissions: See Power Teams for availability		
Four-Speed Close-Ratio Manual. Available at no extra charge	M21	
Automatic. Available at no extra charge	MX1	
Trim, Interior: (See Color and Trim Selections)		
Cloth and Leather Bucket Seat Interior. Available at no extra charge	— —	
Leather Bucket Seat Interior. Available at no extra charge	— —	
Wheels, Aluminum	N90	
Windows, Power	A31	
Windows and Door Locks, Power	ZQ2	

See Options Section for Additional Details and Illustrations.

POWER TEAMS



Standard 5.7 Litre 4-Bbl. V8 Engine

Engine	RPO No.	Power Rating*	Displacement *(cubic inches)*	Engine Availability	Transmission Availability: Four-Speed Manual RPO MM4 *(1)*	Four-Speed Close-Ratio Manual RPO M21 *(1)*	Automatic RPO MX1 *(1)*
ALL STATES EXCEPT CALIFORNIA *(with Standard Emission System—RPO NA5)*							
5.7 Litre 4-Bbl. V8 (A)	L48	195	350	Std.	Std.	NA	*(2)*
5.7 Litre 4-Bbl. V8 (A)	L82	225	350	EC	Std.	*(2)*	*(2)*
ALL STATES EXCEPT CALIFORNIA *(with High Altitude Emission Equipment—RPO NA6)*							
5.7 Litre 4-Bbl. V8 (A)	L48	195	350	Std.	NA	NA	Std.
CALIFORNIA ONLY *(with California Emission Requirements—RPO YF5)*							
5.7 Litre 4-Bbl. V8 (A)	L48	195	350	Std.	NA	NA	Std.

**S.A.E. net horsepower as installed. Std.—Standard. NA—Not Available. EC—Available at extra cost.*
(1) With console-mounted shift control.
(2) Available in place of standard Four-Speed Manual Transmission at no extra cost.

(A) Produced by GM—Chevrolet Motor Division at the Flint, Michigan Engine Plant.

See EPA section for mileage estimates.

BODY/CHASSIS FEATURES

Standard On 1979 Corvette

Body Structure & Features

- Molded fiberglass reinforced body construction
- Heavy-gage frame structure with corrosion-resistant coating
- Corrosion-resistant steel-reinforced fiberglass body
- Energy-absorbing honeycomb cushion front bumper system
- Energy-absorbing rear bumper system with twin hydraulic shock absorbers
- Double-panel door construction
- Protective fiberglass front fenders
- Tinted glass
- Anti-theft audio alarm system
- Luggage area security shade
- Single lever roof panel locks
- Concealed dual-speed electric windshield wipers
- Durable acrylic finish

Chassis Features

- Power steering helps make parking and maneuvering in city traffic easy
- Power disc brakes at all four wheels
- Automatic transmission or Four-speed fully synchronized manual transmission
- Delcotron generator with built-in solid-state regulator
- High Energy Ignition system
- Coolant recovery system
- Exhaust valve rotators on all engines
- Hydraulic valve lifters
- Long recommended service intervals for oil change, oil filter, spark plugs, chassis lubrication and automatic transmission fluid
- Delco Freedom battery never needs refilling. Sealed side terminals help prevent corrosion buildup
- Front stabilizer bar to help control sway
- Limited slip rear axle
- Recirculating ball steering gear with rear mounted linkage
- Fully independent front and rear suspension
- Temperature-controlled engine radiator fan
- Early Fuel Evaporation system on all engines to hasten engine warm-up
- Tires incorporate tread wear indicator
- Direct double-acting sealed-unit hydraulic shock absorbers
- P225/70R-15 steel-belted radial ply blackwall tires and 15″ x 8″ wheels

EQUIPMENT SUMMARY

EXTERIOR	Corvette Coupe
Retractable headlamps with painted bezels	S
Body color front bumper covers with black painted simulated grille guards	S
Black painted windshield reveal molding	S
Concealed windshield wipers with integral washers in wiper arms	S
Black rocker panel molding with bright upper rib	S
Rally wheels with bright trim rings and center caps	S
Removable roof panels	S
Tinted glass	S
Black rear window reveal molding	S
Single outboard tail lamps	S
Single inboard backup lamps	S
Body color urethane rear bumper cover with black painted simulated bumper guards	S
INTERIOR	
Bucket seats with folding seat backs and inertia seat back locks	S
Forward flat-folding passenger seat back	S
Door trim with lower carpeted panels	S
Delco AM/FM radio	S
140-mph speedometer with trip odometer	S
7,000-rpm electronic tachometer	S
Voltmeter, temperature, fuel and oil pressure gages	S
Electric clock	S
Cigar lighter and ashtray	S
Chrome glove compartment door lock on instrument panel	S
Color-keyed instrument panel pad	S
Color-keyed four-spoke steering wheel and column	S
Day/night rearview mirror	S
Overhead courtesy light	S
Deep-twist floor and stowage area carpet	S
Rear compartment locking storage compartment	S
Acoustical insulation package	S
Luggage compartment security shade	S
POWER TEAMS/CHASSIS/MECHANICAL	
5.7 Litre 4-Bbl. V8 (350 cu. in.) engine	S
Hydraulic valve lifters	S
High Energy Ignition system	S
Automatic or four-speed manual transmission	S
Power steering	S
Recirculating ball steering gear and rear mounted linkage	S
Power disc brakes at all four wheels	S
P225/70R-15B steel-belted radial ply blackwall tires and 15"x8" wheels	S
Inside hood release	S
Flow-thru ventilation system	S
Delco Freedom battery with side terminals	S
Delcotron generator with built-in solid-state regulator	S
Front stabilizer bar	S
Fully independent front and rear suspension	S
Direct double-acting sealed-unit hydraulic shock absorbers	S
Fiberglass reinforced plastic body	S
Heavy-gage frame structure with corrosion-resistant coating	S
Double-panel door construction	S
Anti-theft audio alarm system	S

S—Standard

DIMENSIONS/ SPECIFICATIONS

EXTERIOR DIMENSIONS	
Wheelbase	98.0
Length (overall)	185.2
Width (overall)	69.0
Height (loaded)	48.0
Front tread	58.7
Rear tread	59.5
Minimum ground clearance	4.3
INTERIOR ROOMINESS	
Head room	36.8
Leg room	42.1
Hip room	49.9
Shoulder room	47.5
LUGGAGE COMPARTMENT	
Usable luggage space (cu. ft.)	8.4
FUEL TANK CAPACITY (gallons)	24.0
CURB WEIGHT (pounds)	3519

CORVETTE
MOLDED FIBERGLASS REINFORCED BODY

EXTERIOR BODY PREPARATION AND PAINT PROCESSES

1. Dry sand exterior body surfaces, then vacuum to remove dust.
2. Clean all surfaces with solvent.
3. Apply red rubbing putty to fill surfaces, then vacuum to remove excess putty.
4. Spray prime all exterior surfaces.
5. Bake 45 minutes at 275° F.
6. Glaze where necessary with gray putty.
7. Water sand exterior and interior surfaces and dry.
8. Glaze where necessary with gray putty.
9. Spray all exterior and interior surfaces with sealer and dry.
10. Spray acrylic finish over exterior surfaces and air dry for 3 minutes minimum (first finish coat).
11. Bake 30 minutes at 180° F.
12. Cool to room temperature and fill any minor imperfections with resin.
13. Wet sand and fill remaining imperfections with gray putty where necessary, then vacuum body.
14. Spray dark gray primer on any surfaces oversanded.
15. Repeat operation #10 (for second finish coat).
16. Repeat operation #10 (for third finish coat).
17. Bake 30 minutes at 180° F and cool to room temperature.
18. Mask off and spray specific areas with black finish.
19. Machine sand using mineral spirits liberally as lubricant.
20. Machine polish body to a high lustre.

COLOR AND TRIM COMBINATIONS

INTERIOR COLORS		BLACK	DARK BLUE	LIGHT BEIGE	RED	DARK GREEN	OYSTER*
Corvette Leather Bucket Seat Interior		X	X	X	X	X	X
Corvette Cloth/Leather Bucket Seat Interior			X	X		X	X
EXTERIOR COLORS	**CODE**						
BEIGE, CORVETTE LIGHT	59	X	X	X	X	X	
BLACK	19	X		X	X		X
BLUE, CORVETTE DARK (METALLIC)	83	X	X	X	X		X
BLUE, CORVETTE LIGHT	28	X	X				X
BROWN, CORVETTE DARK (METALLIC)	67	X		X			X
GREEN, CORVETTE DARK (METALLIC)	58	X		X		X	X
RED, CORVETTE	72	X		X	X		X
SILVER	13	X	X		X	X	X
WHITE, CLASSIC	10	X	X	X	X	X	X
YELLOW, CORVETTE	52	X		X			X

*With Gray carpeting.

GENERAL

ORIGINAL COPY

MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
Y-CAR	CORVETTE	2-Dr. Sport Coupe	1YZ87	2

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1 Z 87 L 9 S 400001

- 400001 — Sequential Number
- S — Assembly Plant (*)
- 9 — Model Year 1979
- L — Engine Type (**)
- 87 — Body Style (last two digits of model number)
- Z — Car line and Series (***)
- 1 — Make (" 1" for Chevrolet)

*S – St. Louis–Chevrolet
**L – V8-350 (195 H.P.)
X – V8-350 (225 H.P.)
***Z – Corvette

EXAMPLE: The twenty-fifth Chevrolet vehicle built at Chevrolet–St. Louis if it were a 1YZ87 model (Coupe) with a V8-350 (195 H.P.) engine would bear VIN Number 1Z87L9S400025.

Location . . . . . Stamped on plate attached to left hand windshield pillar.

TRANSMISSION IDENTIFICATION

Example: R9E01

Type Designation	Source Designation	Model Year 1979	Production[O] Month & Date
SS	R (Muncie)	9	E01D*

SS	4-Speed	V-8 engine	R - Muncie
6TB	3-Speed Auto.	V-8 engine	Y - Toledo

Location:
4-Speed . . . . . Stamped on the right side of the case at adapter.
3-Speed Automatic . . . . . Nameplate on right side transmission, above filler plug.

[O]Month: E denotes May; 01 denotes 1st day.
-Alpha Characters used in identifying the Calendar Month

A - January	D - April	K - July	R - October
B - February	E - May	M - August	S - November
C - March	H - June	P - September	T - December

*-The letter "D" or "N" following the date numerals indicates day or night shift, on automatic only.

ENGINE IDENTIFICATION

Example: F1210ZAA

Source Designation	Production* Month & Date	Type Designation
F (Flint)	1210	ZAA

5.7 L, 350 Cubic Inch 8-Cylinder (RPO L48)

ZAA - Regular engine, 4-speed, 4-bbl. carb.
ZAB - Regular engine, 3-speed automatic.

5.7 L, 350 Cubic Inch 8-Cylinder (RPO L82)

ZBA - Optional engine, 4-speed, 4-bbl. carb.
ZBB - Optional engine, 3-speed automatic.

Location:
8-Cylinder engine . . . . . Stamped on top front of RH bank of cylinder and case.

*-Month: December, 12; 10th day of December, 10.

REAR AXLE IDENTIFICATION

OM – 3.36 Axle
OH – 3.55 Axle
OJ – 3.70 Axle

Location, Identification Number
Bottom edge of differential carrier flange.

See Power Train Section for additional information.

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT

FRONT

Radiator Grille – Black Injection Molded Plastic
Parking Lamps – Clear Lens, Amber Bulbs
License Plate Ornament, Black, Bright "Corvette" Letters (RPO BY8) –
For states not using front license plate
Retractable Headlamps, Painted Bezels
Crossed Flags Front Identification – 1977 Part Reinstated
Windshield Reveal Moldings, Painted Black
Concealed Windshield Wipers with Integral Washers in Wiper Arms
Body Color Front Bumper Cover and Black Painted Simulated Bumper Guards

SIDE

Black Rocker Panel Molding with Bright Upper Rib
Front Fender and Rear Quarter Marker Lamps
Front Fender Air Slot, Painted
Front Fender Crossed Flags Emblem
Mirror Outside Rear View LH
Wheel Trim Ring and Hub Cap, Bright
Roof Drip Molding – Black
Removable Roof Panels
Press-Flap Door Opening Handles – Bright
Key Locks – Bright (LH Controls Theft Alarm)
Door Belt, Bead Molding – Bright
"L82" Hood Emblem (RPO L82 only)

REAR

Rear Bumper Cover "Corvette" Nameplate
Tail Lamps Single Outboard
Back-Up Lamps, Single Inboard (Includes Red Reflex)
Rear Bumper Cover License Plate Compartment
Body Color Urethane Rear Bumper Cover with Black Painted Simulated
Bumper Guards
Rear Window Reveal Moldings – Black
Crossed Flags on Fuel Filler Door – 1977 Design Reinstated

STANDARD INTERIOR EQUIPMENT

ROOF AND PILLARS
Molded Headlining, Padded with Sun Visor Pockets
Windshield Garnish Moldings, Plastic, Interior Color-Keyed
Sunshades, Padded with Brushed Hardware and Swivel Feature
10" Rear View Mirror, Padded, Black Back with Black Finish Support, Windshield Mounted
Roof Center Strut, Padded with Bright Hardware
Top Header Release Latches, Bright
Fixed Rear Window, Painted Frame
Door Operated Center Dome Courtesy Light
Coat Hook, RH Side

SEATS AND FLOOR COVERING
Bucket Seats – with Integral Head Restraints
Passenger and Stowage Compartment Floor Carpet with Sound Blanket, (Interior Color-Keyed)
Seat Adjuster Lever Knobs – Interior Color-Keyed
Color-Keyed 3-Point Seat Belts, Non Detachable Shoulder Belts, Locking Retractors
Floor Stowage Compartment – 3-Doors, Carpeted with Push Buttons and Painted Trim Rings
Floor Stowage Compartment Door Trim Rings and Push Buttons – Painted – Bright
Body Sill Plates – Bright
Roof Panel Stowage Vinyl Bag and Tie-Down Straps, Color-Keyed

DOOR AND QUARTER PANEL
Door Padded Armrest with Assist Grip – Grained Vinyl with Stitching
Door Remote Control Handle – Chrome and Painted
Door Trim Panel Carpeted, Scuff Area with Map Pocket
Door Locking Knob (Integral with Armrest) – Bright
Window Control Handle – Bright with Black Plastic Knob
Kick Pad Carpeted – Interior Color-Keyed

INTERIOR EQUIPMENT

INSTRUMENT PANEL, CONSOLE AND STEERING WHEEL

Light and headlamp rotation switch.
Windshield wiper and washer switch.
140 mph – 220 km/h speedometer, odometer and trip odometer (miles) mph dominant.
Brake warning indicator – "Brake", red in back window.
Hi-beam indicator, blue in back window.
Turn signal indicator, green in back window.
7000 rpm tachometer.
Seat belt warning indicator – "Fasten Belts" red in back window.
Water temperature gauge. Thermometer I.S.O. symbol.
Air conditioning outlets RPO C60.
Fuel gauge "Unleaded Fuel Only". Note, gas pump I.S.O. symbol.
Low fuel (RPO U41) and generator warning indicators – "LOW FUEL" (upper window) "GEN" (lower window). Low fuel indicator activated when fuel drops below approximately 4 gallons.
Outlets, flow-thru ventilation, or Air Conditioning RPO C60 (LH and RH) black with bright treatment
Voltmeter, battery I.S.O. symbol.
Radio (AM/FM monaural base; others RPO)
Heater or air conditioning control – slide lever design.
4-Speed transmission shift pattern or automatic transmission selector.
Coin receptacle.
Power window switches
Cigar lighter and ash tray.
Rear window defog switch RPO. Small green lamp illuminated when unit is on.
Oil pressure gauge, oil can I.S.O. symbol.
Clock with sweep second hand.
Trip odometer reset knob (thru lens) – black.
Glove compartment door lock – chrome. Automatic light in glove compartment.
Control knob for cowl vent door (LH and RH) – trim color.
Button for regulating side outlet flow (LH and RH) – black.
Headlamp rotation switch (independent operation) – black.
Hood release – black handle with white "hood release".
Instrument panel pad – trim color.
Floor center console and trim plate – low gloss black finish.
Stalk on steering column controls turn signals and headlight high-low beam. Also includes cruise control switch (RPO) when ordered.
Parking brake lever – bright with black handgrip, on tunnel between seats.
Steering wheel, color-keyed 4-spoke vinyl with cross flags emblem.
Black hazard warning switch button on steering column.
Steering column ignition switch and lock – 5 position. Chrome. On steering column.
Key release lever on steering column.

GLASS (TINTED)

Windshield, curved laminated safety plate (tinted).
Door windows, curved tempered safety plate (tinted).
Fixed rear window, curved tempered safety plate (tinted).

EQUIPMENT	RPO	ACC
POWER TEAMS		
Turbo-Fire 350 V8 Special Performance	L82	
4-Speed manual transmission – close ratio	M21	
3-Speed automatic transmission	MX1	
Rear Axle: Economy ratios	G95	
4-Speed manual transmission – standard ratio	MM4	
POWER ASSISTS		
Power windows	A31	
Operating Convenience Group (Power windows and door locks)	ZQ2	
OTHER OPTIONS		
Air conditioning, all weather (See page 8 for content)	C60	
Battery heavy duty, ("Freedom" sealed battery, 4000 watts)	UA1	
Compass		ACC
Convenience package, consists of:	ZX2	
Lamps – delayed dome and courtesy (C94)		
Mirror – visor vanity (D34) – first models		
Mirror – illuminated visor vanity (D64) – after models.		
Warning – headlamp on (T63)		
Lamp – Engine compartment (U26)		
Indicator – low fuel (U41)		
Floor mats – color keyed (B32)		
Intermittent windshield wipers (CD4)		
Defogger, rear window Electro-Clear	C49	
Emission control, high altitude performance	NA6	
Floor mats, black rubber		ACC
Mirror, right hand		ACC
Mirrors, dual sport	D35	
Radio equipment: Radios, pushbutton – includes rear deck antenna		
Radio, AM/FM stereo with cassette tape player (Includes fixed height rear antenna and 2-front speakers)	UN3	
Radio, AM/FM stereo CB radio – includes tri-band power antenna	UP6	
Radio, AM/FM stereophonic (Includes fixed height rear antenna and 2-front speakers)	U58	
Radio, sterephonic AM/FM with tape player (Includes fixed height rear antenna and 2-front speakers	UM2	
Antenna, power	U75	
Dual rear auxiliary speakers	U81	
Speed and cruise control	K30	
Spotlight, hand portable		ACC
Sport steering wheel, tilt and telescopic	N37	
Suspension, Gymkhana – front and rear, consists of:	FE7	
Front stabilizer bar ..... 1.12 dia		
Front stabilizer bar bushings ..... 1.06 dia		
Front spring rate ..... 550 lb/in		
Rear stabilizer bar ..... 0.44 dia		
Rear stabilizer bar bushings ..... 0.33 dia		
Rear spring rate ..... 304 lb/in (7 leaf with spacer)		
Front and rear shock absorbers ..... specific valving		
Trailering package, consists of:	ZN1	
V01 heavy duty radiator, standard engine with MX1 transmission, and FE7 Gymkhana suspension.		
Wheels, cast aluminum	N90	
Glass roof panels	CC1	
Spoilers front and rear (interim)	D80	
Shock absorbers – H.D.	F51	
FACTORY INSTALLED REGULAR PRODUCTION TIRES		
P225/70R15 – HWY. – Radial – White Lettered Steel Belt	QGR	
P255/60R15 – HWY. – Radial – White Lettered Fabric Belt	QBS	

AIR CONDITIONING

FOUR-SEASON (RPO C60)

Heater integrated; manually controlled by two sliding lever controls on instrument panel, plus a 4-speed fan switch. Left lever uses vacuum supply and electrical switches to operate mode doors and compressor. Right lever uses bowden cable to temperature door in selector duct assembly.

BASIC COMPONENTS

Evaporator, blower, condenser, receiver – dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems.

EQUIPMENT (Used in addition to or in place of base equipment)

CHASSIS

Front and Rear Springs	Heavy duty
Rear Axle Ratio – Refer to Power Trains Section	

POWER TRAINS

Fan Blade	7 blade
Crankshaft Pulley	Single, two grooves
Water Pump & Fan Pulley	Single, three grooves
Compressor & Crankshaft Belt	One
Generator	63 Ampere

DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS

FRONT COMPARTMENT

CODE	DESCRIPTION	1YZ87 COUPE
H30	SgRP to heel point	6.4
H37	Headlining to roof height	.64
H58	H point rise	1.0
H61	Effective headroom	36.2
H67	Depressed floor covering thickness	.79
H70	SgRP to body base grid	7.0
H75	Effective "T" point head room	36.8
L17	H point travel - design	5.4
L31	SgRP front, "X" coordinate	44.7
L34	Maximum effective leg room - accelerator	42.1
L40	Back angle (degrees)	33°
L42	Hip angle (degrees)	99°
L44	Knee angle (degrees)	126.0°
L46	Foot angle (degrees)	88.0°
L53	H point to accelerator floor point	34.9

SEAT AND ENTRANCE

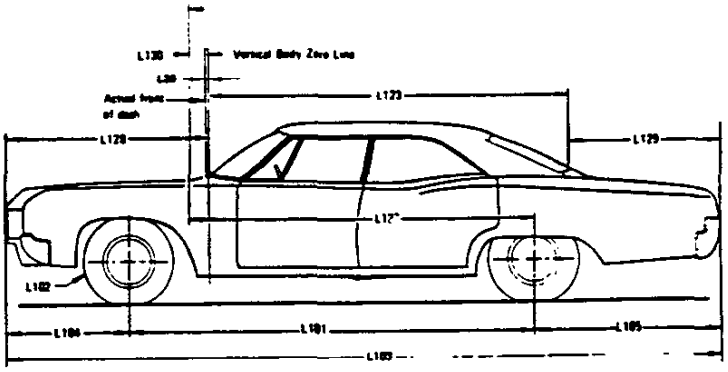
H3	Seat chair height	8.7
H11	Entrance height	29.0
H26	Interior body height, M/M @ car centerline	32.3
H27	Interior body, M/M @ C/LO	38.4
H32	Seat cushion deflection	2.3
H50	Upper body opening to ground	44.5
W3	Shoulder room	47.5
W5	Hip room	49.9
W16	Seat width (each seat)	20.0
L14	Seat back thickness	3.6
L18	Entrance foot clearance	13.2

VISION AND CONTROL

H6	H point to W/S bottom DLO	20.6
H13	Steering wheel thigh clearance	1.9
H18	Steering column angle (degrees) horizontal	15°0
H25	Belt height	17.3
H49	H point to top of steering wheel	1.6
W7	Steering wheel center to car centerline	12.8
W9	Steering wheel maximum O.D.	14.25 x 14.75 oval
W122	Tumble-home (degrees)	7.4
L7	Steering wheel torso clearance	15.8
L13	Brake pedal knee clearance	23.3
L52	Brake pedal to accelerator	3.4

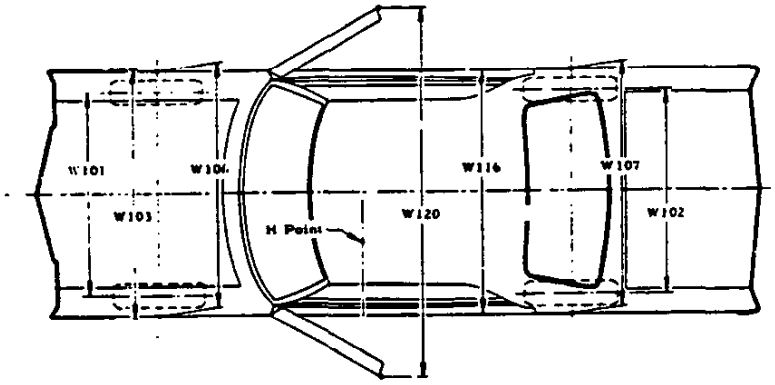
LUGGAGE COMPARTMENT

V1	Luggage Capacity - Usable (Cu.Ft.)	8.4



LENGTHS

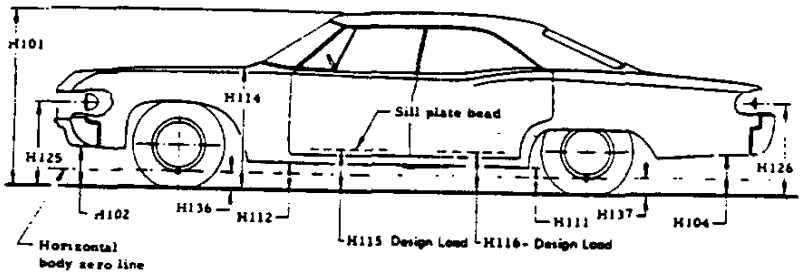
CODE	DESCRIPTION	1YZ87 COUPE
L101	Wheelbase	98.0
L102	Tire size (standard)	P225/70R15
L103	Overall length	185.2
L104	Overhang - front	42.4
L105	Overhang - rear	44.8
–	Overall length - less bumpers	173.7
L123	Body upper structure length at car center line	82.3
L125	Body base grid plane to windshield cowl point	16.1
L126	Front end length at centerline	84.4
L127	Rear wheel centerline to body base grid line	72.0
L128	Front wheel centerline to body base grid line	-26.0
L129	Rear end length at centerline	47.8
L30	Front of dash to body base grid	-1.7



WIDTHS

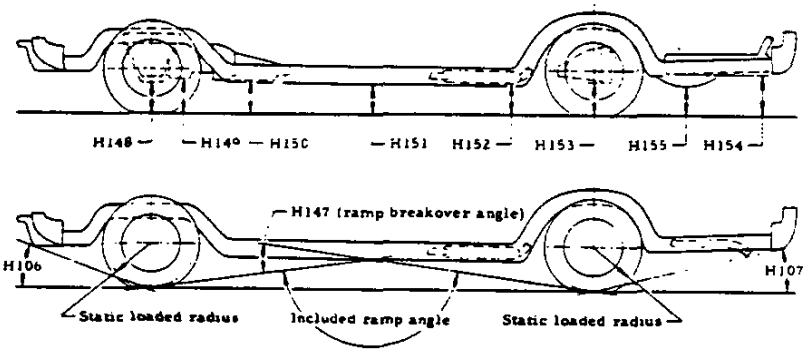
W101	Tread - front	58.7
W102	Tread - rear	59.5
W103	Maximum overall width of car	69.0
W106	Front fender overall width	69.0
W107	Rear fender overall width	68.8
W116	Maximum overall width of body	69.2
W120	Overall car width, front doors open	136.5

EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	1YZ87 COUPE
H101	Overall height (design)	48.0
H102	Front bumper to ground	10.8
H104	Rear bumper to ground	11.8
H111	Rocker panel to ground - rear	7.6
H112	Rocker panel to ground - front	8.0
H114	Hood at rear to ground	36.4
H115	Step height - front (design)	13.0
H116	Step height - rear (design)	--
H125	Headlamp to ground	25.9
H126	Tail lamp to ground	25.4
H136	Body O line to ground - front	8.1
H137	Body O line to ground - rear	7.5



CLEARANCES

H106	Angle of approach (degrees)	16°24'
H107	Angle of departure (degrees)	16°49'
H147	Ramp breakover angle (degrees)	12° 7'
H148	Front suspension to ground	6.6
H149	Oil pan to ground	5.5
H150	Flywheel housing to ground	5.5
H151	Frame to ground	5.4
H152	Exhaust system to ground	5.5
H153	Rear axle to ground	5.7
H154	Fuel tank to ground	16.4
H155	Tire well to ground	4.5
H156	Minimum ground clearance	4.3 (a)

(a) Catalytic converter.

CORVETTE

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1YZ87	350 Cu.In. V8 (L48)	2-Door Sport Coupe	1689	1685	3374	1659	1844	3503

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil, engine coolant to capacity and (3) gallons of gasoline.

CURB WEIGHT: Shipping weight plus gasoline to capacity.

For total shipping, and curb weights of vehicles equipped with the following options, add to, or deduct from, the base vehicle weight (lbs.)

RPO	OPTION	WITH	WEIGHT
A31	Power Windows		+ 4
CC1	Glass Roof Panels		+ 14
C49	Defogger, Rear Window		+ 1
C60	Air Conditioning	With L48 Engine With L82 Engine	+ 54 + 58
D80	Spoilers Front & Rear		+ 17
FE7	Suspension–Gymkhana	All Engines	+ 5
K30	Speed and Cruise Control	With MX1 and N37	+ 5
N37	Tilt, Steering Wheel		+ 7
N90	Cast Aluminum Wheels		- 33
UA1	Battery, Heavy Duty		+ 5
UM2	Radio Stereophonic AM/FM	With Tape Player	+ 13
UP6	Radio AM/FM Stereo CB with Power Antenna		+ 10.5
U58	Radio AM/FM Stereophonic		+ 10.5
U75	Antenna, Power		+ 4
U81	Speaker – Auxiliary (Dual Rear)		+ 3
ZQ2	Operating Convenience Package		+ 9
ZX2	Convenience Package		+ 7
Base	350 Cu. In. V8 Engine	3-Speed Automatic	+ 17
L82	350 Cu. In. V8 Engine	3-Speed Automatic	+ 24

BODY

EXTERIOR PAINT PROCESS

EXTERIOR PAINT PROCESSING PROCEDURES

PUTTY RUB AND SPRAY BODY PRIMER

Operation No.

1. Dry sand all plastic surfaces of body, exterior and interior to be finish painted except interior of top compartment, engine compartment and underside of front and rear fenders.
2. Vacuum all body surfaces, exterior and interior.
3. Solvent clean all surfaces with thinner applied with clean cloth.
4. Wipe on red rubbing putty on all exterior surfaces with substantial pressure to work putty into pits of the fiberglass.
5. Vacuum all surfaces to remove excess putty.
6. Spray primer-surfacer on all exterior surfaces, underside of front and rear fenders, engine compartment and top compartment.
7. Bake 30 minutes at 180°F.
8. Putty glaze where necessary with gray putty.
9. Water sand all exterior and interior surfaces except interior of top compartment and engine compartment.
10. Blow-off body surfaces to remove excessive moisture.
11. Putty glaze where necessary with gray putty.

ACRYLIC LACQUER PAINTING

Operation No.

1. Spray all exterior and interior surfaces with sealer.
2. Air dry 1 minute.
3. Spray Acrylic Lacquer over the exterior surfaces of the body, inside edges of the hood, inner compartment lid, engine compartment drain gutters, lock and hinge pillar facings, doors and headlamp openings.
4. Flash 3 minutes minimum.
5. Bake 30 minutes at 180°F.
6. Cool body to room temperature and repair cracks or defects with resin mixture patch.
7. Wet sand body where necessary and repair defects using water for lubricant and gray putty for filing.
8. Vacuum body.
9. Spray dark gray repair primer-surfaces on body top coat areas sanded through to the primer or bare plastic.
10. Repeat operation No. 3.
11. Flash 3 minutes minimum.
12. Repeat operation No. 3.
13. Flash 3 minutes minimum.
14. Bake 30 minutes at 180°F.
15. Cool body to room temperature.
16. Mask off and spray areas outlined in Corvette Paint Instruction Drawing No. 334789.
17. Bake 30 minutes at 180°F.
18. Cool body to room temperature.
19. Using an extension gun, insert to maximum length through door access holes, spray right and left sides of door inners with aluminum preservative coating.
20. Machine sand with paper using mineral spirits liberally applied as the lubricant.
21. Machine polish body to a high lustre.

1979 CORVETTE INTERIOR/EXTERIOR COLOR COMBINATIONS

EXTERIOR COLOR			INTERIOR TRIM									
Color		Code	Black	Medium Red	Lt. Doeskin		Dark Blue		Dark Green		Oyster White	
			Leather 192L	Leather 722L	Cloth/ Leather 59C	Leather 592L	Cloth/ Leather 29C	Leather 292L	Cloth/ Leather 49C	Leather 492L	Cloth/ Leather 12C	Leather 122L
White	C/O	10	R	R	R	R	R	R	R	R	R	R
Silver Met.	C/O	13	R	R			R	R	R	R	R	R
Dk. Blue Met.	C/O	83	A	A	R	R	R	R			R	R
Dk. Brown Met.	C/O	82	A		R	R					A	A
Yellow	C/O	52	R		A	A					R	R
Frost Beige	C/O	59	R	A	R	R	A	A	R	R		
Frost Blue	C/O	28	A				R	R			A	A
Red	C/O	72	R	R	R	R					R	R
Dk. Green Met.		58	A		R	R			R	R		
Black	C/O	19	R	R	R	R					R	R

BODY CONSTRUCTION AND GLASS AREA

BODY–3

GENERAL

Construction . . . . . Uniconstruction: fiber glass reinforced plastic body backboned by a steel cage outlining the passenger compartment. Principal members – steel front and plastic rear – underbody, front and rear end assemblies, dash panel and hinge pillars are bonded, riveted, or bolted together and to each other. Hood is plastic with bonded plastic reinforcement. Two removable roof panels.

DOORS AND LOCKS

Construction . . . . . Plastic, double paneled, reinforced with steel at hinge and lock locations. Front hinged.

Door handles . . . . . Press-flap handles with fork-type latches. Inside door locking knob on each door, free-wheeling 2-position inside door handles.

HOOD

Operation . . . . . Internal release lever. Front hinged with telescoping link on right side. Ratchet-type lock for hold open.

VENTILATION

Type . . . . . Cowl top air inlets channel air to cowl side kick panel outlets controlled by bowden cable and slide type levers mounted in instrument panel center console. Water drainage at base of "saddlebag" plenum chambers.

GRILLE . . . . . Black Injection Molded Plastic.

SEAT CONSTRUCTION

Type and construction . . . . . Bucket with integral head restraints with leather or cloth covering on seating surface polyurethane padding. Inertia type backrest lock.

WINDSHIELD WIPERS AND WASHERS

Type . . . . . Concealed, dual, two-speed, electric Integral washers provided in wiper arms.

HEADLIGHTS

Type . . . . . Dual round, Halogen high beam headlamps (Inboard), with retractable headlamp doors, retraction system vacuum operated.

SPARE TIRE

Location . . . . . In well under fuel tank; accessible from underside of car. Cover with key lock provided.

TOOLS

Type . . . . . Scissors jack, and combination jack handle and lug wrench.

Stowage . . . . . In well in luggage area directly behind passenger seat; carpeted door over well.

BODY GLASS VISIBILITY AREA

	MODEL 1YZ87
Windshield	793.5
Door Window	800.8
Back Window	1425.3
Total area (sq. in.)	3019.6

Windshield – Curved laminated safety plate (tinted)
Doors and Rear Window – curved tempered safety plate (tinted).

CHASSIS

FRAME AND FRONT SUSPENSION

FRAME

Description . . . . . All welded, full length, ladder constructed frame with (5) cross-members. Side rails and intermediate cross-members box section; front crossmember box girder section. Eight body mounting points.

FRONT SUSPENSION

Description . . . . . Independent, SLA type, coil springs with center mounted shock absorbers, spherical joint steering knuckle pivots.

Wheel travel (design)

Total 7.70

Jounce 4.76

Rebound 2.94

Wheel to spring, travel ratio 1.92:1

CONTROL ARMS

Description . . . . . Reinforced steel stamping with pre-loaded steel encased rubber bushings at pivot.

GENERAL SUSPENSION PROVISIONS

Car leveling . . . . . Front stabilizer bar

Anti-drive control . . Angle of front upper control arm

STEERING KNUCKLES

Description . . . . . Forged steel, with integral brake caliper mounting pads and detachable steering knuckle arm

Spindle diameters

Inner bearing 1.3743-1.3748

Outer bearing 0.8428-0.8433

Spindle thread size . . . . . 27/32-20 NEF-3 (modified)

Wheel bearings

Type . . . . . Taper roller

SPHERICAL JOINTS

Type . . . . . Ball stud

Upper and Lower . . . . . Compression

Bearing surfaces

Upper and Lower . . . . . Teflon-coated phenolic

SHOCK ABSORBERS

Type . . . . . Direct, double-acting, hydraulic

Piston diameter 1.00

STABILIZER BAR

Type . . . . . Link

Material . . . . . HR steel

Diameter 0.875

Bushing material . . . . . Rubber

FRONT WHEEL ALIGNMENT (CURB)

Camber (degrees) . . . . . P0.709 ± 1/2

Caster (degrees) . . . . . P2.405 ± 1/2

Toe-in (total) . . . . . 0 ± 1/32

Steering Axis Inclination (degrees) . 7.683 @ 5° camber

FRONT SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (Lbs./In.)	HEIGHTS	
						Free	Working (In. @ Lbs.)
346938	AD	121.14	.594	8.00	295	15.14	10.49 @ 1355
346939	AH	133.83	.609	9.00	295	15.45	10.49 @ 1445
346940	AJ	134.31	.624	9.00	320	15.33	10.49 @ 1530
346941	AK	134.61	.638	9.00	345	15.23	10.49 @ 1624
346942	AN	134.99	.652	9.00	370	15.14	10.49 @ 1700
346943	AY	135.40	.664	9.00	370	15.38	10.49 @ 1790
346944	AZ	149.75	.676	9.00	370	15.63	10.49 @ 1880

STEERING

- Wheel
  - Type . . . . . 4 spoke with center horn button
  - Diameter . . . . . 14.75 x 14.25
- Column . . . . . Energy absorbing
- Gear – Type . . . . Integral, recirculating ball nut with hydraulic pressure provided from a vane type pump
- Ratio 16.1:1
- Overall Ratio 17.6:1
- Number of wheel turns, lock to lock 2.92
- Linkage . . . . . Parallelogram, rear of wheels, two tie rods
- Turning Diameters
  - Outside front, wall to wall 38.6
  - Outside front, curb to curb 37.0
  - Inside rear, wall to wall 11.4
  - Inside rear, curb to curb 10.5
- Outside wheel angle with inside wheel
  - @ 15 degrees 13.96
  - @ 20 degrees 18.04
  - @ 33.9° (limit of turn) 27.01

DRIVELINE

- Type . . . . . Tubular propeller shaft
- Number used . . . . . One
- Diameter (OD) 2.50
- Length (C/L of U-joints)
  - Manual 29.50
  - 3-Speed Automatic
    - RPO L48 . . . . . 29.81
    - RPO L82 . . . . . 29.50
- Wall thickness 0.083
- Universal joints
  - Type . . . . . Cross
  - Number used . . . . . Two
  - Bearings . . . . . Prepack, anti-friction
- Torque forces . . . . . Through differential to frame members

WHEELS

- Type . . . . . Short spoke spider
- Attachment to hub . . . 5 hex nuts, 7/16-20 UNF 2-B, arranged on a 4.75 diameter bolt circle
- Offset N-0.50
- Rim size . . . . . 15 x 8.00
- Spare . . . . . 15 x 5.0

TIRES, STANDARD EQUIPMENT

- Construction . . . . . Steel belted radial
- Sidewall
  - Base . . . . . Blackwall
  - Optional . . . . . White letter
- Size and ply rating P225/70R15
- Specifications
  - Static Loaded Radius 12.23
  - Loaded rev/mi @ 45 MPH 760
  - Capacity @ 24 psi 1380

TIRES, OPTIONAL

- Construction . . . . . Aramid fabric belted radial
- Size P255/60R15
- Sidewall . . . . . White letter
- Specifications
  - Static loaded radius 11.97
  - Loaded rev/mi @ 45 mph 479
  - Capacity @ 24 psi 14.33

SPARE TIRE

- Construction . . . . . Fabric bias ply
- Size P195/80D15
- Sidewall . . . . . Blackwall, marked "Temporary"

REAR AXLE AND SUSPENSION

REAR AXLE – POSITRACTION

Description . . . . . Fixed differential housing hypoid ring and pinion gear set, tubular articulating inner axle shafts and short solid outer shafts with integral drive flange, independently sprung rear wheels.
Pinion offset . . . . . LS
Pinion bearing adjustment . . . . . Shim
Hypoid gear PD 8.375
Lubricant
Type . . . . . GL-5 Gear lubricant
Viscosity 80W-90
Capacity (pts) 3.75

RING AND PINION GEARS & TOOTH COMBINATIONS

3.36 37,11
3.55 32,9
3.70 37,10

AXLE SHAFTS

Inner . . . . . Welded steel tubing with universal joint attachments to short shafts at each end.
Outer . . . . . Short, splined high-alloy steel with integral wheel mounting flange
Axle bearings . . . . . Inner and outer tapered roller, steel encased rubber bearing seals

STABILIZER BAR (RPO FE7 only)

Diameter 0.440

SHOCK ABSORBERS

Type . . . . . Direct, double-acting, hydraulic
Piston diameter 1.00

REAR SUSPENSION

Description . . . . . Full independent with frame-anchored differential. Position of each wheel established by 3 links; tubular axle drive shafts, transverse strut rods, torque control arms. Vertical suspension loads taken by transverse leaf spring. Built-in camber adjustment at strut rod inner ends.
Wheel travel (design height)
Total 6.50
Jounce 3.70
Rebound 2.80

REAR WHEEL ALIGNMENT

Curb
Camber (degrees) . . . . . N7/8 ± 1/4
Toe-in (total) . . . . . 0 ± 1/32

REAR SPRING

Type . . . . . Variable rate, 10-leaf
Material . . . . . Chrome carbon steel, heat treated
Length (developed) between eye centers 48.60
Width 2.50
Design load, lb @ camber . . . . . 1420 @ .21
Spring liners
Number 9
Location . . . . . Between all leaves
Material . . . . . Polyethylene with graphite

General	Type		Disc Front and Rear, Power Assist Std.
	System		4-wheel caliper disc brake dual hydraulic system with pressure differential and warning light
Front Brakes	Type		Double faced disc spaced by integrally cast radial cooling passages
	Material		Cast iron
	Diameter and Width		11.75 x 1.25
	Lining material		Molded asbestos
	Method of attachment		Riveted
	Lining size (length x width x thickness)	Inboard	5.40 x 1.93 x 0.41
		Outboard	5.40 x 1.93 x 0.41
	Lining area (sq. in.)		43.15
	Effective area (sq. in.)		37.46
	Swept area (sq. in.)		249.14
	Piston diameter		1.875
Rear Brakes	Type		Same as front brakes
	Material		Cast iron
	Diameter and Width		11.75 x 1.25
	Lining material		Molded asbestos
	Method of attachment		Riveted
	Lining size (length x width x thickness)	Inboard	5.40 x 1.93 x 0.41
		Outboard	5.40 x 1.93 x 0.41
	Lining area (sq. in.)		43.15
	Effective area (sq. in.)		37.46
	Swept area (sq. in.)		249.14
	Piston diameter		1.375
	Master cylinder diameter		1.125
Apply System	Piston travel		1.139
	Pedal travel		4.00
	Pedal ratio		3.51:1
	Line pressure @ 100 lb. pedal load		576
Parking Brake	Type		Drums; inboard of disc rotors on axle shafts Internal expanding shoes, mechanically actuated
	Control		Lever; floor mounted between bucket seats
	Size (L x W x T)		6.78 x 1.25 x .175
	Total effective area (sq. in.)		33.9

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Backing lamp	2-1156	32
Cigarette lighter	1-1445	7
Courtesy - Instrument panel	2-906	6
Direction signal indicator	2-194	2
Dome	1-214-2	4
Headlamp — Outer	2-4001	High beam 37.5W
		Low beam 55.0W
Headlamp — Inner	2-4000	High beam 37.5W
Headlamp hi-beam indicator	1-194	2
Headlamp warning indicator	1-1895	2
Heater or air conditioning control	1-558	3
Instrument panel cluster	14-194	2
Instrument panel compt. lamp	1-1891	2
License plate rear	1-168	3
Parking – Front — Park	2-1157 NA	2.2
Parking – Front — Turn		24
Parking brake alarm & warning light	1-194	2
Radio (Base AM-FM)	1-1893	1
Radio Dial & Indicator RPO U58	1-216 (dial)	1 - dial
	1-DS-410 (indicator)	Led (a)
Radio - UM2	1-1893 (dial)	2
	1-DS410 (ind.)	led (a)
Seat belt warning indicator	1-168	2
Side Marker - Front	2-168	3
Side Marker - Rear	2-168	3
Spare Tire Illumination	1-168	3
Tail — Stop and turn	2-1157	32
Tail — Tail		3
Transmission control indicator	1-161	1
Underhood lamp	1-93	15

(a) Light emitting diode.

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
	20 amp fuse	Fuse panel (h)
Antenna, power	20 amp fuse	Fuse panel (e)
Back-up lamps	20 amp fuse	Fuse panel (b)
Brake warning lamp	10 amp fuse	Fuse panel (c)
Cigarette lighter	20 amp fuse	Fuse panel (e)
Clock	20 amp fuse	Fuse panel (e)
Courtesy lamps	20 amp fuse	Fuse panel (e)
Defogger, rear window	40 amp CB	In line
Direction signal indicator	20 amp fuse	Fuse panel (b)
Direction signal lamps	20 amp fuse	Fuse panel (b)
Dome lamp	20 amp fuse	Fuse panel (e)
Door unlock	25 amp fuse	Fuse panel (j)
Fuel gauge	10 amp fuse	Fuse panel (c)
Glove compartment lamp	20 amp fuse	Fuse panel (e)
Headlamp hi-beam indicator lamp	Circuit breaker	Light switch (i)
Headlamps	Circuit breaker	Light switch (i)
Headlight buzzer	10 amp fuse	Fuse panel (c)
Heater	20 amp fuse	Fuse panel (h)
Heater or A/C dial lamp	5 amp fuse	Fuse panel (f)
Instrument cluster lamps	5 amp fuse	Fuse panel (f)
Key warning buzzer	20 amp fuse	Fuse panel (e)
License plate, rear	20 amp fuse	Fuse panel (d)
Oil gauge	10 amp fuse	Fuse panel (c)
Parking lamps	20 amp fuse	Fuse panel (d)
Power windows motor	40 amp CB	In line
Radio	20 amp fuse	Fuse panel
Radio lamp	5 amp fuse	Fuse panel (f)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
Seat belt warning lamp	10 amp fuse	Fuse panel (c)
Side Marker lamp - Front	20 amp fuse	Fuse panel (d)
Side Marker lamp - Rear	20 amp fuse	Fuse panel (d)
Stop lamps	20 amp fuse	Fuse panel (a)
Tail lamps	20 amp fuse	Fuse panel (d)
Temperature gauge	10 amp fuse	Fuse panel (c)
Trans. shift indicator lamp	5 amp fuse	Fuse panel (f)
Underhood lamp	20 amp fuse	Fuse panel (e)
Windshield wiper	25 amp fuse	Fuse panel (j)
Windshield wiper lamp	5 amp fuse	Fuse panel (f)
W/S washer pump	25 amp fuse	Fuse panel (j)

* Letter suffix indicates same circuit

POWER TRAINS

POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	POSITRACTION AXLE RATIOS (*) ALL STATES BASE	POSITRACTION AXLE RATIOS (*) ALL STATES OPTIONAL	POSITRACTION AXLE RATIOS (*) WITH ALT. RPO NA6	RING GEAR (in.)	LW. CLASS (lbs.)
5.7 Litre V-8 (350 Cu. In.) - L48 Base – all states	4-Spd. (2.64:1 low) (a)	Sport Coupe	3.36:1	–	–	8.375	4000
	3-Speed Automatic		3.55:1		3.55:1		
5.7 Litre V-8 (350 Cu. In.) - L82 Optional – all states except Calif.	4-Spd. (2.64:1 low)	Sport Coupe	3.70:1	3.36:1	–		
	4-Spd. (2.43:1 low)		3.70:1	–			
	3-Speed Automatic		3.55:1				

(*) Air conditioning available with all transmission/axle combinations.
(a) Not available in California.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSION

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION 1st	2nd	3rd	4th	Rev	AXLE RATIO
5.7 Litre V-8 Standard (L48)	4-Barrel	4-Speed (2.64:1)	8.87	5.88	4.50	3.36	8.57	3.36
5.7 Litre V-8 RPO L82	4-Barrel	4-Speed (2.64:1)	9.77	6.47	4.96	3.70	9.43	3.70
		4-Speed (2.64:1)	8.87	5.88	4.50	3.36	8.57	3.36
		4-Speed (2.43:1)	8.99	5.96	4.55	3.70	8.69	3.70

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE* MULTIPLICATION	AXLE RATIO
5.7 Litre V-8 Standard (L48)	3-Speed Automatic	Drive	17.90:1 - 3.55:1	3.55:1
		Second	17.90:1 - 5.40:1	
		Low	17.90:1 - 8.95:1	
		Reverse	13.78:1 - 6.89:1	
5.7 Litre V-8 (RPO L82)	3-Speed Automatic	Drive	17.90:1 - 3.55:1	3.55:1
		Second	17.90:1 - 5.40:1	
		Low	17.90:1 - 8.95:1	
		Reverse	13.78:1 - 6.89:1	

*–Axle ratio x transmission ratio.

GENERAL DATA

Engine Type		V-8 OHV	
Piston Displacement (Litres)		5.7	
Availability		Standard (L48)	RPO L82
Number of cylinders		Eight	
Bore and Stroke (nominal)		4.00 x 3.48	
Compression Ratio		8.2:1	8.9:1
Taxable (SAE) Horsepower		51.2	
Firing Order		1-8-4-3-6-5-7-2	
Idling Speed	Manual Trans. (In Neutral)	700	900
	Automatic Trans. (In Drive)	500	700
Compression Press. (PSI) @ Cranking Speed, Engine Hot		150	
Power Plant Mounting		Two front and one rear, compression type	
Measurements	Fan to rear of engine block	31.55	30.86
	Top air cleaner to bottom oil pan	28.52	29.42
	Exhaust manifold to generator (width)	28.53	28.53

ADVERTISED ENGINE RATING

Engine Designation	Availability	Carburetor	Federal		Calif.	Net Brake HP @ RPM	Net Torque @ RPM (lb. ft.)
			Below 4000 Ft.	Above 4000 Ft.			
5.7 Litre V-8	RPO L48	4-Barrel	X	–	–	195 @ 4000	285 @ 3200
			–	X	X		280 @ 2400
	RPO L82		X	–	–	225 @ 5200	270 @ 3600

ENGINE SPEED AND PISTON TRAVEL

Engine		RPO L48		RPO L82		
Transmission		4-Speed	3-Spd. Auto.	4-Speed		3-Spd. Auto.
Rear Axle Ratio		3.36:1	3.55:1	3.70:1		3.55:1
Tire Size		P225/70R-15				
Crankshaft Revolutions/Mile		2553.6	2698.0	2812.0		2698.0
Crankshaft RPM @ MPH	Low	112.5	113.4	123.8	114.0	113.4
	Second	74.6	68.4	82.1	75.5	68.4
	Third	57.1	45.0	62.8	57.7	45.0
	Fourth	42.6	–	46.9		–
	Reverse	108.6	86.9	119.6	110.2	86.9
Piston Travel (Ft/Mile)		1481.1	1564.8	1631.0		1564.8

VEHICLE PERFORMANCE FACTORS

ENGINE		5.7 Litre V-8 RPO L48 195 HP	5.7 Litre V-8 RPO L82 225 HP
MODEL		1YZ87	1YZ87

4-SPEED TRANSMISSION

Performance Weight (lbs.)		3801	3808
Pounds per Net H.P.	Federal	19.49	16.92
	California	19.49	--
Pounds/Cu. In. Displacement		10.86	10.88
Net HP/Cu. In. Displacement	Federal	.557	.643
	California	.557	--
Power Displacement (cu. ft./mile)		258.6	284.8
Displacement Factor (cu. ft./ton mile)		136.1	149.6

3-SPEED AUTOMATIC TRANSMISSION

Performance Weight (lbs.)		3818	3825
Pounds per Net H.P.	Federal	19.58	17.00
	California	19.58	--
Pounds/Cu. In. Displacement		10.91	10.93
Net H.P./Cu. In. Displacement	Federal	.557	.643
	California	.557	--
Power Displacement (cu. ft./mile)		273.2	273.2
Displacement Factor (cu. ft./ton mile)		143.1	142.9

GLOSSARY

Performance Weight	Curb Weight plus 300 Lb (weight of two 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi x Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

CYLINDER BLOCK

Material	Cast alloy iron
Bore	3.9995-4.0025
Bore Spacing (Centerline to Centerline)	4.4
Bearing Caps (Number, material & attachment)	
5.7 Litre V-8 (L48)	5, cast iron; 2-bolt
5.7 Litre V-8 (L82)	No. 1 & 5, cast iron; 2-bolt No. 2, 3 & 4, nodular iron; 4-bolt
Water Jackets	Full length around each cylinder

CYLINDER HEAD

Material	High chrome cast alloy iron
Bolt Number	34
Bolt Size	.4375 dia.; 14 threads/inch

COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)

5.7 Litre V-8 (L48)	6.27 Cu.In.
5.7 Litre V-8 (L82)	5.55 Cu.In.

INLET MANIFOLD

Material	
RPO L48	Cast alloy iron
RPO L82	Aluminum
Type	8 port, double deck

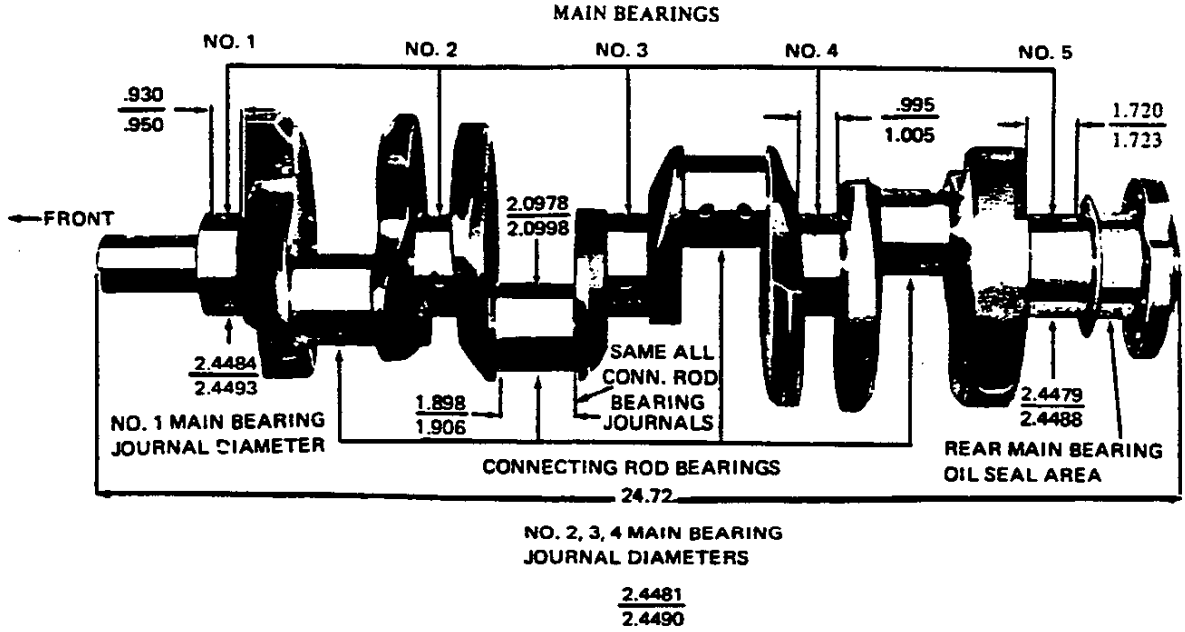
EXHAUST MANIFOLD

Material	Cast alloy iron
Type	Dual, 4 port, exhaust emission to a single runner with center takedown collector
Outlet Diameter (Nominal)	2.50

CRANKSHAFT

Material	
RPO L48	Nodular cast iron
RPO L82	Forged steel
End Play	.002-.007
Counter Weights	6
Crank Arm Length	1.74
Torsional Damper	Sintered iron
Timing Gear	Steel; sprocket & chain
Pulley Pitch Diameter	6.64

5.7 LITRE V-8 ENGINES



PRINCIPAL COMPONENTS

MAIN BEARINGS

Material . . . . . Premium aluminum
Type . . . . . Precision removable
Thrust Against Bearing No. 5
Clearance . . . . . (No. 1) .0008–.0020; (No. 2, 3 & 4) .0011–.0023; (No. 5) .0017–.0033

Dimensions	Theoretical Inner Dia.	Effective Length	Projected Area
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.180	2.8919

CAMSHAFT

Material . . . . . Cast alloy iron
Drive . . . . . Chain
Gear . . . . . Nylon teeth with aluminum hub
Lobe Lift
5.7 Litre V-8 (L48) . . . .2600 Inlet; .2733 Exhaust
5.7 Litre V-8 (L82) . . . .3000 Inlet; .3067 Exhaust
Bearings . . . . . 5; steel backed babbitt

VALVE LIFT

5.7 Litre V-8 (L48) . . . . . .3900 Inlet; .4100 Exhaust
5.7 Litre V-8 (L82) . . . . . .4500 Inlet; .4600 Exhaust

VALVE TRAIN

Type . . . . . Individually mounted overhead rocker arms, push rod actuated
Lifters . . . . . Hydraulic
Push Rods
Type . . . . . Hollow steel
Ends
5.7 Litre V-8 (L48) . . . . . Hardened
5.7 Litre V-8 (L82) . . . . . Hardened steel insert on rocker arm ends
Rocker Arms
Material . . . . . Stamped steel
Ratio 1.50:1
Rotators . . . . . Exhaust

VALVE SPRINGS

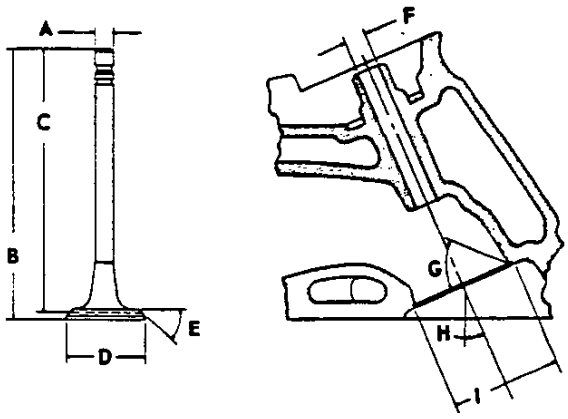
Diameter (I.D.)
5.7 Litre V-8 . . . . . .868-.884
Installed Length (lb. @ in.)
Valve Closed
5.7 Litre V-8 (L48)
Inlet . . . . . 76-84 @ 1.70
Exhaust . . . . . 76-84 @ 1.61
5.7 Litre V-8 (L82) . . . . . 76-84 @ 1.70
Valves Opened
5.7 Litre V-8 (L48)
Inlet . . . . . 194-206 @ 1.25
Exhaust . . . . . 194-206 @ 1.16
5.7 Litre V-8 (L82) . . . . . 194-206 @ 1.25
Free Length 2.03
Valve Spring Damper . . . . . Flat steel, 4 coils

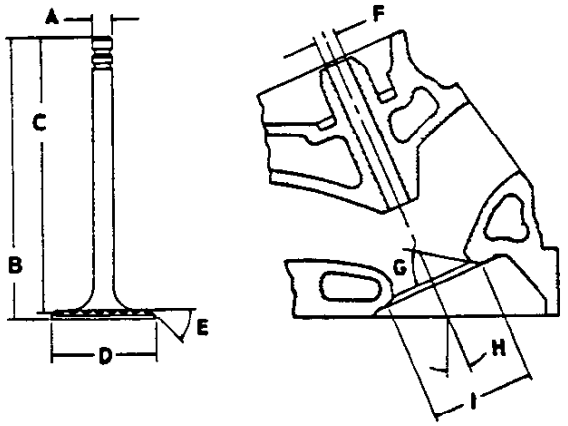
INLET VALVES

Material	Alloy steel
Coating	
Type	None
All Stems	Chrome flash

EXHAUST VALVES

Material	High alloy steel
Coating	
Type	Aluminum face
All Stems	Chrome flash





A – Stem Diameter	.3410-.3417
B – Overall Length	4.870-4.889
C – Gage Length	4.785-4.795
D – Overall Head Diameter	
5.7 Litre V-8 (L48)	1.935-1.945
5.7 Litre V-8 (L82)	2.017-2.023
E – Angle of Face	45°
F – Guide Diameter	.3427-.3437
G – Angle of Seat	46°
H – Valve Angle	23°
I – Valve Seat Diameter	
5.7 Litre V-8 (L48)	1.591-1.597
5.7 Litre V-8 (L82)	1.949-1.979

A – Stem Diameter	.3410-.3417
B – Overall Length	
5.7 Litre V-8 (L48)	4.910-4.930
5.7 Litre V-8 (L82)	4.891-4.910
C – Gage Length	4.781-4.791
D – Overall Head Diameter	
5.7 Litre V-8 (L48)	1.495-1.505
5.7 Litre V-8 (L82)	1.595-1.605
E – Angle of Face	45°
F – Guide Diameter	.3427-.3437
G – Angle of Seat	46°
H – Valve Angle	23°
I – Valve Seat Diameter	
5.7 Litre V-8 (L48)	1.321-1.327
5.7 Litre V-8 (L82)	1.512-1.551

PRINCIPAL COMPONENTS

PISTONS
- Material
  - 5.7 Litre V-8 (L48) . . . . . Cast aluminum alloy
  - 5.7 Litre V-8 (L82) . . . . . Alum. impact extruded
- Head Type
  - 5.7 Litre V-8 (L48) . . . . . Sump
  - 5.7 Litre V-8 (L82) . . . . . Flat, notched
- Skirt Type . . . . . Slipper
- Top Land Clearance
  - 5.7 Litre V-8 (L48) 0235–.0325
  - 5.7 Litre V-8 (L82) 0305–.0395
- Skirt Clearance
  - 5.7 Litre V-8 (L48) 0007–.0017
  - 5.7 Litre V-8 (L82) 0046–.0056
- Compression Ring Groove Depth 2218–.2308
- Oil Ring Groove Depth 2038–.2128
- Pin Bore Offset
  - 5.7 Litre V-8 (L48) 055–.065
  - 5.7 Litre V-8 (L82) . . . . . On center
- Compression Height
  - 5.7 Litre V-8 (L48) 1.558–1.562
  - 5.7 Litre V-8 (L82) 1.553–1.567

PISTON PINS
- Material . . . . . Chromium steel
- Length 2.990–3.010
- Diameter 9270–.9273
- Clearance in Piston
  - 5.7 Litre V-8 (L48 - Base) 00025–.00035
  - 5.7 Litre V-8 (L82) 00045–.00055
- Pin Mounting . . . . . Locked in rod by shrink fit

VALVE TIMING (Crankshaft Degrees - Excluding Ramps)
- 5.7 Litre V-8 (L48)
  - Inlet Valve
    - Opens - BTC . . . . . 28°
    - Closes - ABC . . . . . 72°
    - Duration . . . . . 280°
  - Exhaust Valve
    - Opens - BBC . . . . . 78°
    - Closes - ATC . . . . . 30°
    - Duration . . . . . 288°
- 5.7 Litre V-8 (L82)
  - Inlet Valve
    - Opens - BTC . . . . . 52°
    - Closes - ABC . . . . . 114°
    - Duration . . . . . 346°
  - Exhaust Valve
    - Opens - BBC . . . . . 98°
    - Closes - ATC . . . . . 62°
    - Duration . . . . . 340°

COMPRESSION RING – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Radius
Coating	
5.7 Litre V-8 (L48)	Chrome flash
5.7 Litre V-8 (L82)	Wear resistant coating molybdenum inlay
Width	
5.7 Litre V-8 (L48)	.0775–.0780
5.7 Litre V-8 (L82)	.0770–.0775
Wall Thickness	.190–.200
Gap	.010–.020

COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	Reverse twist (top of ring 30 degrees to piston vertical axis)
Face	Tapered
Coating	Wear resistant
Width	.0770-.0775
Wall Thickness	.190-.200
Gap	.013-.025

OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Width (assembled)	.1850–.1870
Wall Thickness	.150–.156
Gap	.015–.055
Rail Coatings	Chrome plated

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	5.695–5.705

CONNECTING ROD BEARINGS

Material	Premium aluminum
Type	Precision removable
Clearance	.0013–.0035
Theoretical I.D.	2.1012
Effective Length	.797
End Play	.006–.016

FUEL AND EXHAUST SYSTEM

FUEL SYSTEM

FUEL TANK

Capacity (Gal) . . . . . 24 (approximately)
Location . . . . . In body cavity at rear of deck area
Filler Location . . . . . Center of rear deck area

FUEL FILTERS, DUAL

In Fuel Tank . . . . . Mesh strainer
Carburetor Inl. . . . . Paper

FUEL PUMP

Type . . . . . Deep cover with vapor return lines.
Drive . . . . . Camshaft eccentric
Location . . . . . Lower right front of engine
Pressure Range (shut off pressure at 1800 RPM)
All Engines . . . . . 7.50–9.00 PSI at pump outlet

AIR CLEANER

Type . . . . . Ducted air, closed paper element, thermac, steel dual snorkel
Filter Element . . . . . Oil-wetted paper

CHOKE

Type . . . . . Automatic

CARBURETORS

Make & Type . . . . . 4-barrel, quadrajet
SAE Flange Size 1.50
Throttle Bore
Primary 1.38
Secondary 2.25
Venturi
Primary 1.218
Secondary . . . . . Air valve
Secondary Throttle Actuation . . . . . By linkage approximately when primary valves are opened half between closed and open.

EXHAUST SYSTEM

MUFFLERS

Type . . . . . Dual, exhaust, single converter with crossover
Construction . . . . . Heads and body joined by rolled lock seam construction
Shell . . . . . .036 sheet steel aluminum coating
Wrap . . . . . .030 indented asbestos sheet
Cover . . . . . Stainless steel outer wrap
Heads . . . . . .048 sheet steel aluminum coating
Length, Body 16.00
Width (I.D.) 9.00
Height (I.D.) 7.00

EXHAUST PIPES

Type . . . . . Two piece; front and rear assemblies
Material . . . . . Seamless steel tubing
Dimensions – O.D. & Wall Thickness
Front Pipes – Laminated (Exhaust to Converter)
5.7 Litre V-8 (L48) . . . . . 2.50 x .071
5.7 Litre V-8 (L82) . . . . . 2.50 x .071
Rear Pipes – Laminated (Converter to Muffler)
5.7 Litre V-8 (L48) . . . . . 2.50 x .072
5.7 Litre V-8 (L82) . . . . . 2.50 x .072

TAIL PIPES

Type . . . . . Steel tubing 2.25 x .062

SYSTEM APPLICATION

System Type	Engine Adaptation	
	350 (RPO L48)	350 (RPO L82)
CHA – Carburetor Hot Air	a, b, c	a
COA – Carburetor Outside Air	a, b, c	a
CTS – Cold Trapped Spark	a	–
EFE – Early Fuel Evaporation	a, b, c	a
EGR – Exhaust Gas Recirculation	a, b, c	a
FEC – Fuel Evaporation Control	a, b, c	a
PCV – Positive Crankcase Ventilation	a, b, c	a
UFC – Under Floor Converter	a, b, c	a
MAI – Manifold Air Injection	b, c	a

a – 49 states without Altitude RPO NA6
b – 49 states with Altitude RPO NA6
c – California

BASIC FUNCTION OF SYSTEMS

CARBURETOR HOT AIR SYSTEM

A thermostatically controlled air induction system designed to aid carburetion. Consists of a heat stove to supply preheated air and a vacuum powered damper to mix air normally drawn in through the snorkel with the hot air. Produces a more uniform carburetor air temperature which permits proper emission control with improved engine operation.

CARBURETOR OUTSIDE AIR

Duct work connecting air cleaner snorkel to air source outside of engine compartment. Provides cooler outside air to CHA system for improved performance after engine warm-up.

COLD TRAPPED SPARK

Maintains distributor spark advance during heavier load accelerations for improved engine warm-up.

EARLY FUEL EVAPORATION

A thermostatically controlled system designed to supply hot exhaust gasses to heat carburetor base and inlet manifold during early stages of cold engine operation. Improves cold engine driveability during warm-up.

EXHAUST GAS RECIRCULATION SYSTEM

Meters exhaust gas into induction system for recirculation throughout the combustion cycle to reduce oxides of nitrogen emissions.

FUEL EVAPORATION CONTROL

Controls emission of gasoline vapors to the atmosphere by means of an integral separator with the fuel tank that separates vapor from liquid fuel - a filler cap that doesn't permit venting into the atmosphere - a canister for storage of vapors - lines, hoses and valves to control and transport vapors from fuel tank and carburetor float bowl to storage, and finally, to the carburetor for utilization in running the engine.

POSITIVE CRANKCASE VENTILATION

Withdraws oil and gas vapors from the various cavities throughout the engine for burning in the combustion cycle.

UNDERFLOOR CATALYTIC CONVERTER

A device placed in the exhaust system containing the catalytic bed through which exhaust gasses are passed. The catalyst may be configured to cause both a reduction and oxydation reaction, or an oxydation reaction only.

MANIFOLD AIR INJECTION

Compresses, regulates and distributes quantities of air to more completely burn carbon monoxide and hydrocarbon emissions to the exhaust pipe in front of the converter.

LUBRICATION SYSTEM

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	Centrifugally oiled from front camshaft bearing
Oil Pressure Sending Unit	Electric
Oil Filler	
Cap	Positive seal
Location	Top rear of left rocker cover

OIL PUMP

Type	Gear
Normal Oil Pressure	32-40 PSI @ 2000 RPM
Intake Type	Fixed
Capacity (GPM @ Eng. RPM)	4.3 @ 2000
Regulator Valve	Opens between 40—45 lbs

OIL DIP STICK

Location	Left side, rear of engine block

OIL PAN CAPACITY (Quarts)

Refill	4.0
Refill with Filter Change	4.5

OIL FILTER

Type	Full flow, throwaway canister
Location	Left rear underside of engine
Capacity	One pint
By-pass Valve	Opens between 9 to 11 PSI

LUBRICANT GRADES AND TEMPERATURES

20°F and Above	10W-30, 10W-40, 20W-20, 20W-40, 20W-50
0°F to 60°F	10W, 5W-30, 10W-30, 10W-40
Below 20°F	5W-20, 5W30

OIL PAN

Type of Drain Plug	Hex head
Location	Lower rear face of oil pan sump
Size Hex Head	.860–.875
Thread	1/2-20 UNF 2A
Length	0.81
Diameter	.410–.430

GENERAL
- Type . . Pressure, vented thru coolant recovery system
- Capacity
  - Manual Transmission . . . . . 21.6 qts.
  - Automatic Transmission . . . . . 20.7 qts.

RADIATOR
- Type . . . . . Copper brass, cross flow
- Core Constant and Thickness
  - Distance between Fins
    - RPO L48 20
    - RPO L82 18
  - Distance between Tubes 55
  - Thickness of Core
    - RPO L48 . . . . . 1.96
    - RPO L82 . . . . . 2.68
- Frontal Area (Sq.In.) 446
- Overflow . . . . . Separate coolant bottle

RADIATOR HOSE
- Outlet, Lower (Radiator to Water Pump) . . . 1.75 I.D.
- Inlet, Upper (Thermostat Housing to Radiator) 1.50 I.D.

RADIATOR CAP RELIEF VALVE
- Opens at . . . . . Approximately 15 PSI

FAN
- Number of Blades . . . . . 5, staggered
- Diameter 17.50
- Fan Pulley Pitch Diameter 7.00
- Fan Cutout . . . . . Thermomodulated fluid coupling

THERMOSTAT
- Type . . . . . Pellet
  - Begins to Open at . . . . . 192-198°
  - Fully Opened at . . . . . 227°

BELTS; CRANKSHAFT, FAN AND GENERATOR
- Number Used . . . . . Two
- Angle of "V" . . . . . 38°-42°
- Pitch Line
  - Fan, Generator and Water Pump Belt 52.50
  - Fan and Water Pump Belt 32.46
  - Air Injection 32.50
  - Width 380

WATER PUMP
- Type . . . . . Centrifugal
- Capacity (GPM @ Engine RPM) . . . . . 22.7 @ 2000
- Bearing . . . . . Permanently lubricated double row ball
- Drive . . . . . Fan belt
- Ratio (Pump to Engine RPM) 0.949:1

DRAIN LOCATIONS AND TYPE
- Engine Block . . . . . Plug; right and left center
- Radiator . . . . . Plug; bottom right side

ELECTRICAL SYSTEM

SUPPLY SYSTEM
- BATTERY
  - Type . . . . . Freedom
  - Voltage Rating and Watts
    - Standard . . . . . 12 & 3500
    - Heavy Duty . . . . . 12 & 4000
  - Cold Cranking Rating
    - Standard . . . . . 0° 430 amps; – 20° @ 330 amps @ 100 minute reserve capacity
    - Heavy Duty . . . . . 0° @ 465 amps; – 20° @ 375 amps @ 125 minute reserve capacity
  - Terminal Grounded . . . . . Negative
  - Location . . . . . In stowage compartment behind driver

GENERATOR
- Type . . . . . Diode rectified with integral regulator
- Rating
  - Amps 42
  - Volts 12
- Drive . . . . . By fan belt
- Pulley Pitch Diameter 2.70
- Ratio (Gen to Engine Speed) 2.46:1

REGULATOR
- Type . . . . . Micro-circuit unit, integral with generator
- Voltage Regulator
  - Voltage . . . . . 13.8-14.8 @ 85° F

STARTING SYSTEM
- STARTING MOTOR
  - Rotation (Drive End View) . . . . . Clockwise
  - Test Conditions . . Engine at operating temperature
  - No Load Test
    - Amps 70-99
    - Volts 12
    - RPM 7800-12000
  - Motor Drive
    - Engagement . . . . . Solenoid
    - Pinion Meshes at . . . . . Rear
    - Pinion Tooth No. 9
    - Flywheel Tooth No. . . . . Manual Trans. – 153; Automatic Trans. – 168
  - Mounting . . . . . Bolted to clutch housing

IGNITION SYSTEM
- TYPE . . . . . High Energy Ignition (H.E.I.)
- DISTRIBUTORS . . . . . Refer to chart below

COIL
- Type . . . . . Integral with distributor

SPARK PLUGS
- Make & Type R45TS
- Thread Size (mm) 14
- Gap 045
- Torque . . . . . 25 lb. ft.

CABLE . . . . . Linen core impregnated with electrical conducting material and insulation of rubber with neoprene jacket

DISTRIBUTORS	5.7 Litre V-8 RPO L48		5.7 Litre V-8 RPO L82
Model	1103353	(1103285)	1103291
Type	High Energy Ignition		
Centrifugal Advance begins @ RPM	0 @ 1100	0 @ 1200	0 @ 1200
Maximum Degrees @ RPM	22 @ 4600	22 @ 4200	16 @ 2000
Vacuum Advance begins @ " Hg.	0 @ 4		
Maximum Degrees @ " Hg.	20 @ 10	10 @ 8	
Timing (Initial Design Setting) Crankshaft Degrees @ RPM w/vacuum line disconnected	6° BTC	8° BTC	12° BTC
Timing Mark Location	Torsional damper		

Data in brackets ( ) pertains to California.

CLUTCHES

Engine	Type		5.7 Litre V-8	
	Availability		RPO L48 - Base	RPO L82
Type			Single dry disc, semi-centrifugal	
Clutch cover & pressure plate	Eff. plate load, lbs.		2100-2300	2450-2750
	Press. plate material		Nodular iron	
	Clutch spring type		Circular plate diaphragm, bent finger design	
	Clutch spring material		Heat treated spring steel	
Driven plate	Type		Single disc with two friction surfaces	
	Cushions		Flat spring steel between friction rings	
	Dampers		10 coil springs (5 sets of two) each plate	
	Friction rings	OD	11.00	
		ID	6.50	
		Total sq. in.	123.70	
		Material	Woven type asbestos	
Flywheel	Flywheel	Material	Nodular iron	
	Ring gear	Material	Heat treated HR steel	
		No. of teeth	168	
		PD	14.00	
		Attachment	Shrink fit	
Bearings	Release	Type	Single row ball	
		Lubrication	None, prepacked	
	Pilot	Type	Bronze bushing	
		Lubrication	None, sintered and oil impregnated	
Controls	Clutch fork		Drop forged steel, pivot mounted on ball	
	Pedal mounting		Pendant, from brace on dash	
	Lubrication		Crossover shaft	
Clutch housing material			Aluminum alloy	

4-SPEED TRANSMISSIONS

Engine Application – 5.7 Litre V-8			RPO L48	RPO L82
Transmission Type – 4-Speed			RPO M20	RPO M21
Case Materal			Aluminum	
Gear Shift	Type		Remote	
	Control		Lever	
	Location		Floor, mounted in console	
Gears	Type		Helical	
	Material		Forged steel, hardened	
	Synchronization		All forward gears	
	Constant mesh gear		All forward gears	
	Sliding gears		Reverse	
	Ratios	First	2.64	2.43
		Second	1.75	1.61
		Third	1.34	1.23
		Fourth	1.00	1.00
		Reverse	2.55	2.35
Lubricant	Type		GL-5 Gear Lubricant (80W or 80W-90)	
	Capacity (pts)		3.4	
Extension	Material		Aluminum	
	Oil Seal		Steel encased seal of spring loaded Silicone	

THREE-SPEED AUTOMATIC

Engine			RPO L48 & RPO L82
General Data	Type		Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse.
	Selector lever	Location	Center floor console
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump
		Quadrant pattern	P-R-N-D-L2-L1
	Parking Lock	Type	Locking pawl
		Operation	Applied by selector lever through manual linkage
	Method of cooling		Water
	Flywheel assembly		Steel stamping with welded on ring gear
	Oil pressure pump		Supplies hydraulic pressure from an engine driven gear type pump
Hydraulic System	Type		Steel spool valve
	Valves	Manual	Establishes range of transmission operation
		Pressure regulator	Provides main line pressure
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2
	Modulator		Regulates line pressure with modulator oil pressure which varies with torque to transmission
	Accumulator		Provides greater flexibility in attaining desired shift quality for various engine requirements
	Pressure @ Idle (a)	Drive	60
		L2	87
		L1	87
		Reverse	91
Converter Assembly	Pump (Drive member)		Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing
	Turbine (Driven member)		Steel axial flow blades assembled between inner & outer steel shells
	Stator assembly		Aluminum multivane type blades mounted on a one way (overrunning) roller clutch
	Stall ratio		2.00
	Stall speed (RPM)		2110
	Diameter (nominal)		11.75
Planetary Gear Set	Reaction carrier assembly		4 steel pinion gears
	Output carrier assembly		4 steel pinion gears
	Intermediate band		Circular steel with organic lining
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1
		L1 (Low one)	2.52:1
		R (Reverse)	1.93:1
	Servo Unit		Piston with release spring and inner cushion spring
Case	Material		Aluminum
Clutches	Type		Four, multiple disk
	Material	Drive plates	Steel with bonded organic facings
		Driven plates	Flat steel
	Forward clutch		5 each drive & driven plates
	Direct clutch		4 each drive & driven plates
	Intermediate clutch		3 each drive & driven plates
	Low & Reverse clutch		5 each drive & driven plates
	Release spring		Radial row steel coil
Torque Multiplication	Drive (maximum)		5.04:1 to 1.00
	Low 2		5.04:1 to 1.52
	Low 1		5.04:1 to 2.52
	Reverse		3.86:1 to 1.93
Governor	Type		Cross-axis centrifugal
	Operation		Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves
Lubricant	Type		Dexron II
	Capacity (pints)	Dry	20
		Refill	8

(a) Condition 600 RPM input

METRIC (U.S. Customary)

1979 mvma Specifications Form Passenger Car

Manufacturer	Car Line	
Chevrolet Motor Division General Motors Division	CORVETTE	
Mailing Address Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	**Model Year** 1979	**Issued:** September, 1978 **Revised (•)**

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

MVMA Specifications Form
Passenger Car

Table of Contents

NOTE:

1. This form uses both SI metric units and U.S. Customary units. The Metric unit of measurement 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 millimetres (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. A printed or computer tape supplement containing additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) _____

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load— Kilograms (Pounds)
CORVETTE	MODEL NUMBER	FRONT	
2-Door Sport Coupe	1YZ87	2	

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

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (*) _____

U. S. Customary Units Only

Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

SERIES # AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. litres (in³)	Carb.	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N·m (lb. ft.)	Exhaust System*		A	B	C
Base - All States	V-8 5.7L (350) RPO L48	4-bbl	8.2:1	195 @ 4000	285 @ 3200	D	4-Spd. Manual (2.85 low) - Base N.A. in Calif.	3.36	-	-
							3-Spd. Automatic 'Auto 350' - Opt.	3.55	-	3.55
Optional All States exc. Calif.	V-8 5.7L (350) RPO L82	4-bbl	8.9:1	225 @ 5200	270 @ 3600	D	4-Spd. Manual (2.64 low) - Base	3.70	3.36	-
							4-Spd. Manual (2.43 low) - Opt.	3.70	-	-
							3-Spd. Automatic 'Auto 350' - Opt.	3.55	-	-

- 'Base' and 'Optional' refer to engine availability.

A - Base - all states.
B - Optional all states except California.
C - Above 4000 Feet altitude (RPO NA6)

Limited slip differential standard equipment for all axle ratios.

Air conditioning available with all axle ratios.

California & Altitudes Above 4000 Feet:

Engine	H.P.	Torque
RPO L48	195@4000	280@2400

*S—Single D—Dual

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) 2/79

U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl.	
	RPO L48	RPO L82

Engine — General

Total dressed engine mass (wt) dry*		537.3	535.3
Type (inline, V, Flat)		'V'	
No. of cylinders		8	
Bore		4.00	
Stroke		3.48	
Piston Displacement cm^3 (in^3)		350	
Bore Spacing (C/L to C/L)		4.40	
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	
Cylinder Head Material		Cast alloy iron	
Cylinder Block Material		Cast alloy iron	
Cylinder block deck height			
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle		3°	
Recommended fuel Leaded, unleaded		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		87	
Cylinder Head Volume — cm^3		75.47	76.18
Head Gasket Thickness (Compressed)		.021	
Head Gasket Volume — cm^3		4.58	
Deck clearance (minimum) (above or below block)		.025 below	
Minimum Combustion Chamber Volume — cm^3		74.47	75.18

Engine — Pistons

Material			Cast aluminum alloy	Forged aluminum
Description and finish			Sump head, closed skirt	Flat head, closed skirt
Mass, g (weight, oz.)—Piston Only			21.3	20.4
Clearance (limits)	Top land		.0235-.0325	.0305-.0395
	Skirt	Top	.0007-.0017	.0046-.0056
		Bottom		
Ring groove diameter	No. 1 ring		3.541-3.556	3.546-3.556
	No. 2 ring		3.541-3.556	3.546-3.556
	No. 3 ring		3.577-3.592	3.582-3.592

*Dressed engine mass (weight) includes the following:

Material required to make the engine an independent working power unit less radiator hoses, coolant, accelerator controls and engine mountings. (includes
● clutch & base trans.)

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) ____
U.S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl. RPO L48	RPO L82

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.		Compression	
	No. 2, oil or comp.		Compression	
	No. 3, oil or comp.		Oil	
Compression	Description—Material, coating etc.	Upper	Cast alloy iron, straight edge inside ring, radius face (a)	
		Lower	Cast alloy iron reverse twist, tapered face, wear resistant	
	Width		Upr-.0775-.0780;Lwr-.0770-.0775	Upr & Lwr-.0770-.0775 coating
	Gap		Upper-.010-.020; Lower-.013-.025	
Oil	Description—material, coating, etc.		Multi-piece (2 rails and one spacer expander) Rails - steel, chrome plated O.D.; Expander - stainless steel	
	Width		.1850-.1870	
	Gap		.015-.055	
Expanders			In oil ring assebly	

Engine — Piston Pins

Material			Chromium steel	
Length			2.990-3.010	
Diameter			.9270-.9273	
Type	Locked in rod, in piston, floating, etc.		Locked in rod	
	Bushing	In rod or piston	None	
		Material	--	
Clearance	In piston		.00025-.00035	.00045-.00055
	In rod		--	
Direction & amount offset in piston			Major thrust side-.060	None

Engine — Connecting Rods

Material		1037 or 1038 steel	
Mass, g (weight, oz.)		13.7	20.8
Length (center to center)		5.695-5.705	
Bearing	Material & Type	Premium aluminum	
	Overall length	.797	
	Clearance (limits)	.0013-.0035	
	End Play	.006-.016	

(a) Chrome flash coating on RPO L48; wear resistant coating molybdenum inlay on RPO L82.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) _____
U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl	
	RPO L48	RPO L82

Engine — Crankshaft

Material			Nodular cast iron	Forged steel
Vibration damper type			Rubber mounted inertia	
End thrust taken by bearing (No.)			5	
Crankshaft end play			.002-.007	
Main bearing	Material & type		#1 thru #4 - premium aluminum, #5 upper-copper lead alloy, #5 lower w/A.T. - premium aluminum, #5 lower w/M.T. - copper lead al	
	Clearance		#1-.0008-.0020; #2, 3, 4 - .0011-.0023. #5 - .0017-.0033	
	Journal dia. and bearing overal length	No. 1	2.4489 x .802	
		No. 2	2.4489 x .802	
		No. 3	2.4489 x .802	
		No. 4	2.4489 x .802	
		No. 5	2.4484 x 1.533	
		No. 6	--	
		No. 7	--	
	Dir. & amt. cyl. offset		--	
	No. bolts/main brg. cap		2	4
Crankpin journal diameter			2.099-2.100	

Engine — Camshaft

Location			In block above crankshaft
Material			Cast alloy iron
Bearings	Material		Steel backed babbitt
	Number		5
Type of Drive	Gear, chain or belt		Silent chain
	Crankshaft gear or sprocket material		Sintered iron
	Camshaft gear or sprocket material		Aluminum-nylon
	Timing chain	No. of links	46
	Chain or Belt	Width	.625
		Pitch	.500

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.

5.7 Litre V-8/4 Bbl.	
RPO L48	RPO L82

Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			Exhaust	
Push rods (dia., length, material)			.3125 x 7.72 welded steel tubing - stl. insert on rocker arm end	
Rocker ratio			1.50:1	
Operating tappet clearance (indicate hot or cold	Intake		Zero	
	Exhaust		Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28	52
		Closes (°ABC)	72	114
		Duration (deg.)	280 .260 lift	346 .300 lift
	Exhaust	Opens (°BBC)	78	98
		Closes (°ATC)	30	62
		Duration (deg.)	288 .273 lift	340 .307 lift
	Valve open overlap (deg.)		58	114
Intake Valve	Material (a)		SAE 1541 or 1547 Forged steel	GM 8440 steel
	Overall length		4.870-4.889	
	Actual overall head dia.		1.935-1.945	2.017-2.023
	Angle of seat & face (deg.)		46 seat, 45 face	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	
	Lift (at zero lash)		.390	.450
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	76-84 @ 1.70	
		Valve open—N at mm (lb. at in)	180-188 @ 1.25	196-204 @ 1.25
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	Spring damper	
		Valve open—N at mm (lb. at in.)	Spring damper	
Exhaust Valve	Material		21-2 steel aluminized head	21-4 steel, aluminized head
	Overall length		4.910-4.930	4.890-4.910
	Actual overall head dia.		1.495-1.505	1.595-1.605
	Angle of seat & face (deg.)		46 seat, 45 face	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	
	Lift (at zero lash)		.410	.460
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	76-84 @ 1.61	76-84 @ 1.70
		Valve open—N at mm (lb. at in.)	186-194 @ 1.16	197-209 @ 1.25
	Inner spring press. & length	Valve closed—N at mm (lb. at in)	Spring damper	
		Valve open—N at mm (lb. at in.)	Spring damper	

(a) RPO L48 - chrome flash stem; RPO L82 - full chrome stem

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U.S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl	
	RPO L48	RPO L82

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Centrifugally oiled from camshaft bearing
	Cylinder walls	Pressure jet cross sprayed
Oil pump type		Gear
Normal oil pressure - kPa (lb.) at engine rpm		45 @ 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.)		4.0
Oil grade recommended (SAE viscosity and temperature range)		(a)
Engine service reqmt. (SD, SE, etc.)		SE

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Dual
Muffler No. & Type (reverse flow, straight thru, separate resonator)		Two, reverse flow
Resonator No. & type		None
Exhaust Pipe	Branch O.D., wall thickness	2.0 x .071
	Main O.D., wall thickness	2.5 x .071
	Material	Stainless steel tubing - laminated
Inter-mediate Pipe	O.D. & wall thickness	2.25 x .072
	Material	Stainless steel tubing - laminated
Tail Pipe	O.D. & wall thickness	2.25 X .062
	Material	Welded or seamless steel tubing

(a) 20°F and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50

0° to 60°F - 10W, 5W-30, 10W-40, 10W-30

20°F and below - 5W-20, 10W-30

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U.S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-BBl	
	RPO L48	RPO L82

Engine — Fuel System (See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor
Fuel Tank	Refill capacity—L (U.S. gals.)		24 gal. (approximately)
	Filler location		Center of rear deck
Fuel Pump	Type (elec. or mech.)		Mechanical
	Locations		Lower right front of engine
	Pressure range—kPa (psi)		7.5-9.0
Fuel Filter	Type		Fine mesh plastic strainer in gas tank and
	Locations		paper filter element in carburetor inlet
Carburetor	Choke type		Automatic
	Intake manifold heat control (exhaust or water)		Exhaust
	Air cleaner type	Standard	Ducted air, closed paper element, thermac, dual snorkel,
		Optional XXXXX	steel
	Idle spd.-rpm (spec. neutral or drive)	Manual	
		Automatic	
	Idle A/F mix		

Carburetor Supplementary Information

Model Usage	Piston Displ. —L (in.3)	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model (a)		
All	350 (L48)	Manual	Rochester	17059203	One, 4-bbl	1.38 pri, 2.25 sec.
		Automatic		17059202 (17059502) 17059582*		
	350 (L82)	Manual		17059211		
		Automatic		17059210		

* - Above 4000 Feet altitude (RPO NA6).

(a) Data bracketed ( ) are specific to California.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) _____
U. S. Customary Units Only

Engine Description/Carb.	5.7Litre V-8/4-bbl.	
	RPO L48	RPO L82

Engine — Cooling System

Coolant recovery system (std., opt., none)			Standard	
Radiator cap relief valve pressure—kPa (psi)			15	
Circulation thermostat	Type (choke, bypass)		Choke	
	Starts to open at °C (°F)		195	
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm		22	
	Number of pumps		One	
	Drive (V-belt, other)		V-belt	
	Bearing type		Permanently lubricated double row ball	
By-pass recirculation type (inter., ext.)			Internal	
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)			Cross flow, tube & center	
Cooling System Capacity	With heater—L (qt.)		21.6-M/T; 20.7-A/T	
	Without heater—L (qt.)			
	Opt. equipment-specify—L (qt.)			
Water jackets full length of cyl. (yes, no)			Yes	
Water all around cylinder (yes, no)			Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, molded	
		Inside diameter	1.75	
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter	1.50	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter	---	
Radiator	Standard	Width	26.3	
		Height	16.97	
		Thickness	1.96	2.68
	A/C	Width	26.3	
		Height	16.97	
		Thickness	1.96	2.68
	Heavy duty	Width	---	
		Height	---	
		Thickness	---	
Fan (Standard)	Number of blades & spacing		5	
	Diameter		17.5	
	Ratio—fan to crankshaft rev.		0.949:1	
	Fan cutout type		Thermo-modulated viscous type clutch	
Fan (optional)	No. of blades and spacing		7	
	Diameter		18.5	
	Ratio—fan to crankshaft rev.		0.949:1	
	Fan cut-out type		Thermo-modulated viscous type clutch (*)	

(*) - Thermostatically controlled remote electric fan used on models with RPO L82 engine/Air Conditioning combination.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre (RPO L48) All states except Calif.	RPO L48-49 States W/RPO NA6 & California RPO L82 - All States Except California

Vehicle Emission Control

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Engine modifications	Manifold Air Injection
	Air Injection Pump	Type		Semi-articulated vane
		Displacement—cm³ (in³)		19.3 in³
		Drive ratio		1.15:1
		Drive type		Crankshaft pulley
		Relief valve (type)		Diverter valve
		Filter (describe)		Centrifugal air cleaner
	Air Injection System	Air distribution (head, manifold, etc.)		Manifold
		Point of entry		Exhaust ports
		Injection tube i.d.		.2700
		Check valve type		Pressure Plate system
		Backfire protection (type)		Diverter valve
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled Flow	
		Valve type	Vacuum modulated shut-off and metering valve	
		Valve location	Right rear at manifold	
		Control energy source	Carburetor vacuum	
		Exhaust source	Manifold exhaust crossover	
		Exhaust cooler type	None	
		Orifice no. and size	One, 0.030"	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold	
	Catalytic Converter System	Catalyst Type	Platinum - palladium	
		Catalyst Volume—L (in³)	260	
		Substrate type	Alumina	
		Container location	Beneath underbody, below passenger seat	
	Other	Carburetor Hot Air	Thermostatically controlled air cleaner inlet valve Regulates and mixes heated air with incoming cold air to reduce carbon emission.	

CONTROLLED COMBUSTION SYSTEM

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) ____
U. S. Customary Units Only

Engine Description/Carb.

5.7 Litre/4-Bbl.	
RPO L48	RPO L82

Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction system
			Optional	---
	Control Unit	Make and model		AC Spark Plug
		Location		Left front rocker cover
		Energy source (manifold vacuum, carburetor, other)		Manifold vacuum
		Control method (variable orifice, fixed orifice, other)		Variable orifice
	Complete System	Discharges (to intake manifold, other)		Intake manifold
		Air inlet (breather cap, other)		Carburetor air inlet
		Flame arrestor (screen, other)		Screen
Evaporative Emission Control	Fuel Tank	Thermal expansion volume—dm^3 (ft^3)		Approximately 10% of refill capacity
		Relief Pressure kPa (psi) and location		1.1
		Vacuum relief kPa (psi) and location		0.7
		Vapor-liquid separator type		Integral with fuel tank
		Vapor vented to (crankcase, canister, other)		Canister
	Carburetor	Vapor vented to (crankcase, canister, other)		---
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister
		Volume—dm^3 (ft^3) or capacity (grams)		Approximately 50 grams storage capacity
		Control valve type		Controlled by orifices and carburetor throttle body and throttle blade position

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl	
	RPO L48	RPO L82

Electrical — Supply System

Battery	Make and Model		Delco Remy 'Freedom'
	Voltage Rtg.—V— & Total Plates		12V - 3500 watts
	SAE Designation No. and/or capacity		100 minutes reserve capacity
	Location		In storage compartment behind driver
Generator or Alternator	Make		Delco Remy
	Model		1102484
	Type and rating		Diode Rectified - 42
	Output at engine idle (neutral) A		14 - 22
	Ratio—Gen. to Cr/s rev.		2.46:1
Regulator	Make		Delco Remy
	Model		---
	Type		Micro circuit unit, integral with alternator
	Regulated — Voltage		13.8-14.8
	Regulated — Current A		
	Voltage test conditions — Temperature—°C (°F)		Operating
	Voltage test conditions — Load A		3-8
	Voltage test conditions — Other		None

Electrical — Starting System

Starting Motor	Make			Delco Remy
	Model			1109067-M/T; 1109065-A/T
Motor Drive	Engagement Type			Positive shift solenoid
	Pinion engages from (front, rear)			Rear
	Number of teeth	Pinion		9
		Flywheel	Manual	153
			Auto	168

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) 2/79

U. S. Customary Units Only

Engine Description/Carb.	5.7Litre V-8/4-Bbl	
	RPO L48	RPO L82

Electrical — Ignition System — Distributor

Distributor	Manual	1103353	1103291
	Automatic	1103353 (a) 1103302 (1103285)	1103291
Timing	Manual	6° BTC	12° BTC
	Automatic	8° BTC (a) 4° BTC (8° BTC)	12° BTC

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1103353	0 @ 1100	12 @ 1600	22 @ 4600	0 @ 4	20 @ 10
1103285	0 @ 1200	12 @ 2000	22 @ 4200	0 @ 4	10 @ 8
1103291	0 @ 1200	13 @ 1600	16 @ 2000	0 @ 4	10 @ 8
1103302	0 @ 1100	12 @ 1600	22 @ 4600	0 A 6	15 @ 12

(a) Above 4000 Feet Altitude (RPO NA6).
Data in brackets ( ) specific to California

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl.	
	RPO L48	RPO L82

Electrical — Ignition System

Type	Conventional —Std., Opt., N.A.		---
	Transistorized—Std., Opt., N.A.		---
	Other (specify)		High Energy Ignition System (H.E.I.)
Coil	Make		Delco Remy
	Model		Integral with distributor cap
	Current	Engine stopped—A	---
		Engine idling—A	---
Spark Plug	Make		AC Spark Plug
	Model		R45TS
	Thread (mm)		14
	Tightening torque—N·m (lb. ft.)		25
	Gap		.045

Electrical — Suppression

Locations & type	Non-metallic high tension ignition cables

Electrical — Instruments and Equipment

Speedometer	Type	Circular dial with pointer
	Trip odometer (std., opt., N.A.)	Standard
EGR maintenance indicator		N.A.
Charge Indicator	Type	Voltmeter
	Warning device	Generator warning lamp
Temperature Indicator	Type	Electric Gauge
	Warning device	N.A.
Oil pressure Indicator	Type	Electric Gauge
	Warning device	N.A.
Fuel Indicator	Type	Electric Gauge
	Warning device	Low fuel indicator, optional
Windshield Wiper	Type—standard	Electric, two speed
	Type—optional	Intermittent system
	Blade length	16.0 inch
	Swept area—cm^2($in.^2$)	667.0
Windshield Washer	Type—standard	Pushbutton-manual
	Type—optional	None
	Fluid level indicator	N.A.
Horn	Type	Vibrator
	Number used	Two
	Current draw (A) per horn	4.5-6.5 @ 12.5 Volts
Other		Tachometer/anti-theft alarms; parking brake warning light and brake failure warning lights; restraint system warning light and buzzer.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl.Carburetor	
	RPO L48	RPO L82

Drive Units — Clutch (Manual Transmission)

Make & type		Chevrolet, single dry disc semi-centrifugal	
Type pressure plate springs		Circular plate diaphragm, bent finger design	
Total spring load—N (lb.)		2100-2300	2450-2750
No. of clutch driven discs		One	
Clutch facing	Material	Woven type asbestos	
	Manufacturer	Chevrolet	
	Part Number	3682736	
	Rivets/Plate	40	
	Rivet size	.184 x .208	
	Outside & inside dia.	10.34 x 6.50	11.0 x 6.50
	Total eff. area- cm^2 ($in.^2$)	101.6	123.70
	Thickness	.140	
	Engagement cushion-method	Flat spring steel between friction rings	
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

Drive Units — *Transmissions*

Manual 3-speed (std., opt., N.A.)	N. A.
Manual 4-speed (std., opt., N.A.)	Std.
Manual 5-speed (std., opt., N.A.)	N. A.
Manual overdrive (std., opt., N.A.)	N. A.
Automatic (std., opt., N.A.)	Opt.

Drive Units — Manual Transmissions

Number of forward speeds		4		4 close ratio Optional
Transmission ratios	In first	2.85	2.64	2.43
	In second	2.02	1.75	1.61
	In third	1.35	1.34	1.23
	In fourth	1.00	1.00	1.00
	In fifth	---	---	---
	In reverse	2.85	2.55	2.35
Synchronous meshing, specify gears		All forward gears		
Shift lever location		Floor mounted in console		
Lubricant	Capacity—L (pt.)	3.4		2.75
	Type recommended	GL-5 Gear lubricant		
	SAE viscosity number — Summer	80W or 80W-90		
	SAE viscosity number — Winter	80W or 80W-90		
	SAE viscosity number — Extreme cold	80W or 80W-90		

MVMA Specifications Form
Passenger Car

Car Line CHEVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.	5.7 Litre V-8/4-Bbl Carburetor	
	RPO L48	RPO L82

Drive Units—Automatic Transmission

Trade name		3-Speed Automatic		
Type (describe)		3-Speed torque converter		
Selector location		Lever, floor mounted in console		
Gear Ratios	P	Park		
	R	1.93		
	N	Neutral		
	D	2.52-1.52-1.0		
	L2	2.52-1.52		
	L1	2.52		
Max. upshift speed—drive range— (mph)		62-74		62-74
Max. kickdown speed—drive range— (mph)		59-72		59-72
Torque Converter	Number of elements	3		
	Max. ratio at stall	2.0		
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	11.75		
Lubricant	Capacity—refill—L (pt.)	8.0		
	Type recommended	Dexron II		
Special transmission features				

Drive Units—Axle

Type (front, rear)		Rear	
Description		Overhung pinion gear	
Limited Slip differential, type		Standard equipment - disc clutches	
Drive Pinion Offset		1.50 vertical	
No. of differential pinions		Two	
Pinion adjustment (shim, other)		None	
Pinion bearing adj. (shim, other)		Shim	
Wheel bearing type		Tapered roller	
Lubricant	Capacity—L (pt.)	3.75	
	Type recommended	GL-5 Gear lubricant	
	SAE viscosity number — Summer	80W or 80W-90	
	SAE viscosity number — Winter	80W or 80W-90	
	SAE viscosity number — Extreme cold	80W or 80W 90	

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

Axle Ratio		3.36	3.55	3.70
No. of teeth	Pinion	11	9	10
	Ring gear	37	32	37
Ring Gear O. D.		8.375		

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.	5.7Litre V-8/4-Bbl	
	RPO L48	RPO L82

Drive Units—Propeller Shaft

Number used			One
Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight tube
Outer diam. x length* x wall thickness	Manual 3-speed trans.		N.A.
	Manual 4-speed trans.		2.50 x 29.50 x .083
	Manual 5-speed trans.		N.A.
	Overdrive		N.A.
	Automatic transmission		2.50 x 29.81 x .083
Intermediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		---
Slip Yoke	Type		Yoke
	Number of teeth		32
	Spline O. D.		1.175
Universal joints	Make and Mfg. No.		Chevrolet
	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
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube or arms, springs)			Torque control arms
Torque taken through (torque tube or arms, springs)			Torque control arms

*Center to center of universal joints, or to centerline of rear attachment.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Engine Description/Carb.

5.7Litre V-8/4-bbl Carburetor	
RPO L48	RPO L82

Drive Units—Tires And Wheels (Standard)

TIRES	Size, load range, ply		P225/70R15 (B/W std; W/L optional)
	Type (bias, radial, etc.)		Steel belted radial
	Inflation pressure (cold) for recommended max. vehicle load	Front—kPa (psi)	35
		Rear—kPa (psi)	35
	Rev./mile—at 70 km/h (45 mph)		760
WHEELS	Type & material		Short spoke spider; steel
	Rim (size & flange type)		15 x 8
	Wheel offset		N-0.50
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	4.75
		Number & size	5 hex nuts 7/16-20 UNF 2-B
	Spare wheel (same or other)		15 x 5

Drive Units—Tires And Wheels (Optional)

Size, load range, ply	P255/60R15 (W/L)
Type (bias, radial, etc.)	Aramid fabric belt
Wheel type & material	Cast Aluminum
Rim (size, flange type, and offset)	15 x 8; N 0.50
Size, load range, ply	
Type (bias, radial, etc.)	
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply Std. Spare	P195/80D15
Type (bias, radial, etc.)	Bias ply
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	
Type (bias, radial, etc.)	
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	
Type (bias, radial, etc.)	
Wheel type & material	
Rim (size, flange type, and offset)	

Brakes—Parking

Type of control		Grip handle control
Location of control		Between seats
Operates on		Rear brake drums inboard of disc rotors on axle shafts
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	6.50
	Lining size (length x width x thickness)	6.78 x 1.25 x 0.175

MVMA Specifications Form
Passenger Car

Car Line CHEVETTE
Model Year 1979 Issued 9/78 Revised (•) _____
U. S. CUSTOMARY UNITS ONLY

Body Type And/Or Engine Displacement

2-Door Sport Coupe

Brakes—Service

Brake Type (std., Opt., N.A.)	Drum	Front		---
		Rear		---
	Disc	Front		Standard
		Rear		Standard
Self-adjusting (std., opt., N.A.)				Standard
Special Valving	Type (proportion, delay, metering, other)			Metering
Power Brake (std., opt., N.A.)				Standard
Booster Type (remote, integral, vac., hyd., etc.)				Integral
Anti-skid device type (std., opt., N.A.)				N.A.
Effective area—cm^2 ($in.^2$)*				74.92
Gross lining area—cm^2 ($in.^2$)**				86.30
Swept area—cm^2 ($in.^2$)***				498.30
Rotor	Outer working diameter		F	11.75
			R	11.75
	Thickness		F	1.25
			R	1.25
	Material & type (vented/solid)		F	Cast iron, vented
			R	Cast iron, vented
Drum	Diameter (nominal)			N.A.
				N.A.
	Type and material			---
Wheel cylinder bore	Front			1.875
	Rear			1.375
Master Cylinder	Bore			1.125
	Stroke			1.14
Pedal arc ratio				3.51:1
Line pressure at 445 N (100 lb.) pedal load—MPa (psi)				
Lining Clearance Per Shoe	Front			Self adjusting
	Rear			Self adjusting
Brake lining	Front Wheel	Bonded or riveted, rivets/seg.		Riveted
		Rivet size		.143 x .250
		Manufacturer		Delco Moraine
		Lining Code		GM 106 FE
		Material		Molded asbestos
		Size****	Prim. or out-board	5.40 x 1.93 x .41
			Second or in-board	5.40 x 1.93 x .41
		Shoe thickness (no lining)		.500
	Rear Wheel	Bonded or riveted, rivets/seg.		Riveted
		Manufacturer		Delco Moraine
		Lining Code		GM 106 FE
		Material		Molded Asbestos
		Size****	Prim. or out-board	5.40 x 1.93 x .41
			Second or in-board	5.40 x 1.93 x .41
		Shoe thickness (no lining)		.500

*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.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) ____

U. S. Customary Units Only

2-Door Sport Coupe

Steering

Manual (std., opt., N.A.)				N.A.
Power (std., opt., N.A.)				Standard
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt & telescopic steering wheel; 2" adjustment
		(Std., opt., N.A.)		Optional
Wheel diameter		Manual		---
		Power		14.75 x 14.25
Turning diameter m(feet)	Outside front	Wall to wall (l. & r.)		38.6
		Curb to curb (l. to r.)		37.0
	Inside rear	Wall to wall (l. to r.)		11.4
		Curb to curb (l. to r.)		10.5
Manual	Gear	Type		Not Available
		Make		
		Ratios	Gear	
			Overall	
	No. wheel turns (stop to stop)			
Power	Type (coaxial, linkage, etc.)			Linkage, power pump assisted
	Make			Saginaw Steering
	Gear	Type		Semi-Reversible, recirculating ball nut
		Ratios	Gear	16.1:1
			Overall	17.6:1
	Pump driven by			Crankshaft pulley
	No. wheel turns (stop to stop)			2.92
Linkage	Type			Parallel-o-gram
	Location (front or rear of wheels, other)			Rear
	Drag links (trans. or longit.)			None
	Tie rods (one or two)			Two
Steering Axis	Inclination at camber (deg.)			7.68 @ 5 degrees camber
	Bearings (type)	Upper		Ball stud with non-metallic bearing surface
		Lower		Ball stud with non-metallic bearing surface
		Thrust		
Steering spindle & joint type				Steering knuckle with spherical joint
Wheel Spindle	Diameter	Inner bearing		1.3743-1.3748
		Outer bearing		0.8428-0.8433
	Thread size			27/32-20 UNEF modified
	Bearing type			Tapered roller
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)		+ 1-1/4 to + 3-1/4
		Camber (deg.)		0 to + 1-1/2
		Toe-in (outside track- deg.		+ 0.12 to + 0.36
	Service reset	Caster		+ 2-1/4° to + 1/4°
		Camber		+ 3/4° to + 1/2°
		Toe-in		+ 0.25° + 0.06°
	Periodic M.V. Inspection	Caster		+ 1/4° to + 4-1/4°
		Camber		- 3/4° to + 2-1/4°
		Toe-in		-0.12° to + 0.60°

Rear Wheel Alignment: - Camber - 0.874 ± 1/4; Toe-in - 0 ± 1/32

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (*) _____

U. S. Customary Units Only

Body Type And/Or Engine Displacement

2-Door Sport Coupe

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling		Front stabilizer shaft
Provision for brake dip control		Mounting angle at front upper control arm
Provision for acc. squat control		None
Special provisions for car jacking		Front - 5" forward of front door opening, under frame Rear - 3" forward of wheel opening, under frame
Shock absorber front & rear	Type	Direct, double acting hydraulic
	Make	Delco
	Piston dia.	1.0 (a)
Other special features		

Suspension — Front

Type and description		Independent, SLA with coil springs
Travel	Full jounce	4.76
	Full Rebound	2.94
Spring	Type (coil, leaf, other)	Coil
	Material	Steel Alloy
	Size (coil design height & I.D., bar length x dia.)	10.49 x 3.80; 133.83 x .609 (a)
	Spring rate — N/mm (lb./in.)	295 (a)
	Rate at wheel — N/mm (lb./in.)	117.6 (a)
Stabilizer	Type (link, linkless, frameless)	link
	Material & bar diameter	HR steel - 0.875"; RPO FE7 - (Gymkhana Suspension) - 1.12"

Suspension — Rear

Type and description			Fully independent with fixed differential, transverse multi-leaf spring, lateral struts & 'U' jointed axle shafts
Drive and torque taken through			Torque control arms
Travel	Full Jounce		3.70
	Full Rebound		2.80
Spring	Type (coil, leaf, other)		Leaf
	Material		Chrome carbon steel
	Size (length x width, coil design height & I.D., bar length & dia.)		48.6 x 2.5
	Spring rate—N/m (lb./in.)		198 (a)
	Rate at wheel—N/m (lb./in.)		151.4 (a)
	Mounting insulation type		Rubber mounted at differential, vertical loading only at
	If leaf	No. of leaves	10 shackle
		Shackle (comp. or tens.)	Tension
Stabilizer	Type (link, linkless, frameless)		Link (RPO FE7 Gymkhana Suspension Only)
	Material & bar diameter		HR steel - 0.440"
Track bar type			None

(a) For base equipped model, springs are computer selected by size and rate according to vehicle weight including optional equipment. Spring rates and shock absorber equipment may vary when engine, transmission or gymkhana suspension options are used.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Body Type
2-Door Sport Coupe

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Lacquer
Hood counterbalanced (yes, no)		No
Hood release control (internal, external)		Internal
Vehicle Ident. No. Location		Left hand windshield pillar
		—
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Bucket, polyurethane padding
	Rear	None
	3rd Seat	None
Seat back type	Front	Bucket, polyurethane padding
	Rear	None
	3rd seat	None
Method of holding luggage compart. lid open		--
Position of spare tire storage		In well under body at rear. Lock standard.

Frame

Type and description (Separate frame, unitized frame, partially-unitized frame)	All welded, full length, ladder constructed frame with (5) crossmembers

MVMA Specifications Form
Passenger Car

Car Line CORVETTE

Model Year 1979 Issued 9/78 Revised (•) _____

U. S. Customary Units Only

Body Type
2-Door Sport Coupe

Convenience Equipment

Power windows	Side Windows	Optional
	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		N.A.
Reclining front seat back (R-L or both)		N.A.
Radios (specify type as well as availability)		Optional AM/FM Stereophonic, AM/FM Stereo-CB, AM/FM Stereo with 8 track tape, AM/FM Stereo with Casette Tape.
Rear seat speaker		Optional-Dual rear auxiliary speakers
Power antenna		Optional-(Triband included with CB unit)
Clock		Standard
Air conditioner (specify type)		Optional-Four season, manual control
Speed warning device		N.A.
Speed control device		Optional-Automatic Transmission Models Only
Ignition lock lamp		N.A.
Dome lamp		Standard-(Delay feature optional)
Glove compartment lamp		Standard
Luggage compartment lamp		N.A. (Illuminated by dome lamp)
Underhood lamp		Optional
Courtesy lamp		Standard(Delay feature optional)
Map lamp		N.A.
Cornering lamp		N.A.
Rear window defroster electrically heated		Optional
Rear window defogger		N.A.
Theft protection—type		Lock mounted on steering column; locks steering wheel, and ignition, Anti-theft alarm underhood signals tampering with doors, hood and lift out roof panels, Drivers door key locks arms or disarms alarm system

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•)
U. S. Customary Units Only

Vehicle Mass (Weights)

Model	CURB MASS, kg. (Weight, lb.)*			% PASS. WEIGHT DISTRIBUTION				SHIPPING MASS. Kg. (Weight, lb.)**
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
2-Door Sport Coupe								
1XZ87	1659	1844	3503	28	72	--	--	3374

CURB WEIGHT - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oils, lubes, coolants, and fuel all filled to capacity.

SHIPPING WEIGHT - Same as base curb weight except 3 gallons of gasoline.

*Reference — SAE J1100a, Motor Vehicle Dimensions, Curb Weight Definition.
**Shipping Mass (Weight) definition—

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•)

Optional Equipment Mass (Weights)*

Equipment Differential Mass (Weights)	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Air Conditioning	+41	+ 13	+ 54	With L48 Engine
	+ 46	+ 12	+ 58	With L82 Engine
Power Windows	+ 2	+ 2	+ 4	
Power Door Locks	+ 2	+ 4	+ 6	
Glass Roof Panels	+ 5	+ 9	+ 14	
Control-Speed&Cruise	+ 5	0	+ 5	
Tilt and Telescopic Sport Steering Wheel	+ 4	+ 3	+ 7	
Heavy Duty Battery	0	+5	+5	
Radio AM/FM Stereophonic	+ 6	+ 4	+ 10	
Radio AM/FM Stereophonic With 8 Track Tape Player	+ 7	+ 6	+ 13	
Radio AM/FM Stereophonic With Casette Tape Player	+ 7	+ 5	+ 12	
Radio AM/FM Stereophonic -CB	+ 6	+ 4	+ 10	
Dual Auxiliary Rear Speakers	0	+ 3	+ 3	NA with U69 AM/FM Push-Button Radio
Power Antenna	0	+4	+4	Used only with CB-Radio
Power Antenna	0	+4	+4	All Radios Except CB
Gymkhana Susp. Front & Rear	+ 5	0	+ 5	
350 CID V8 Engine RPO L82	+ 3	+ 4	+ 7	
3-Speed Automatic Trans.	+ 10	+ 7	+ 17	
4-Speed Manual-Close Ratio	-9	-5	-14	
Aluminum Wheels	-17	-17	-34	

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

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•)
U. S. Customary Units Only

Car and Body Dimension 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 car line.
SAE Ref. No. refers to the definition published in SAE Recommended Practice.
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

	SAE Ref. No.	Body Type: 2-Door Sport Coupe
Width		
Tread — Front	W101	58.7
Tread — Rear	W102	59.5
Vehicle width	W103	69.0
Body width at Sg RP — front	W117	--
Vehicle width — front doors open	W120	136.5
Vehicle width — rear doors open	W121	--
Length		
Wheelbase	L101	98.0
Vehicle length	L103	185.2
Overhang — front	L104	42.4
Overhang — rear	L105	44.8
Upper structure length	L123	82.3
Rear wheel C/L "X" coordinate	L127	72.0
Cowl point "X" coordinate	L125	16.1
Height*		
Passenger Distribution (frt./rear)	PD1,2,3	2-0
Trunk/Cargo load		0
Vehicle height	H101	48.0
Cowl point to ground	H114	36.4
Deck point to ground	H138	
Rocker panel front to ground	H112	8.0
Bottom of door closed-front to grd.	H133	10.0
Rocker panel rear to ground	H111	7.0
Bottom of door closed-rear to grd.	H135	--
Windshield slope angle	H122	57.0°
Ground Clearance*		
Front bumper to ground	H102	10.8
Rear bumper to ground	H104	11.8
Bumper to ground—front at curb mass (wt.)	H103	11.1
Bumper to ground—rear at curb mass (wt.)	H109	12.8
Angle of approach	H106	16° 24"
Angle of departure	H107	16° 49"
Ramp breakover angle	H147	12° 07"
Rear axle differential to ground	H153	5.7
Min. running ground clearance	H156	4.3
Location of min. run. grd. clear.		Catalytic Converter

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•)

U. S. Customary Units Only

Car and Body Dimensions See Key Sheets for definitions

SAE Ref. No.	Body Type: 2-Door Sport Coupe

Front Compartment

Sg RP front. "X" coordinate	L31	44.7
Effective head room	H61	36.2
Effective T Point head room	H75	36.8
Max. eff. leg room—accelerator	L34	42.1
Sg RP — front to heel	H30	6.4
Design H-point front travel	L17	5.4
Shoulder room	W3	47.5
Hip room	W5	49.9
Upper body opening to ground	H50	44.5
Steering Wheel Angle	H18	15.0°
Back Angle	L40	33°

Rear Compartment

Sg RP Point couple distance	L50	
Effective head room	H63	
Effective T Point head room	H76	
Min. effective leg room	L51	
Sg RP—second to heel	H31	NOT
Knee clearance	L48	APPLICABLE
Compartment room	L3	
Shoulder room	W4	
Hip room	W6	
Upper body opening to ground	H51	

Luggage Compartment

Usable luggage capacity—L (cu. ft.)	V1	8.4
Liftover height	H195	--

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•) _____

U.S.Customary Units Only

Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type: 2-Door Sport Coupe

Station Wagon — Third Seat

Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	NOT
Effective head room	H86	APPLICABLE
Effective T Point head room	H89	
Seat facing direction	SD1	

Station Wagon — Cargo Space

Cargo length—open—front	L200	
Cargo length—open—second	L201	
Cargo length—closed—front	L202	
Cargo length—closed—second	L203	NOT
Cargo length at belt—front	L204	APPLICABLE
Cargo length at belt—second	L205	
Cargo width—wheelhouse	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tail gate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index—m^3 ($ft.^3$)	V2	
Hidden cargo volume—m^3 ($ft.^3$)	V4	

Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat Back Height	L208	NOT
Cargo length at floor—front	L209	APPLICABLE
Cargo volume index—L ($ft.^3$)	V3	
Hidden cargo volume—L ($ft.^3$)	V4	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•)
U. S. Customary Units Only

Car and Body Dimensions See Key Sheets for definitions

Body Type

2-Door Sport Coupe

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location	
Front		X - Fiducial mark to vertical base grid line - front, measured horizontally from 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 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 base grid line to rear fiducial mark located on rear underbody crossbar. Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to the fiducial mark located on rear underbody cross bar. Z - Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on rear underbody crossbar.	
Fiducial Mark Number			
Front	W21	Y	27.02
	L54	X	30.95
	H81	Z	1.88
	H161		
	H163		
Rear	W22	Y	24.14
	L55	X	88.18
	H82	Z	12.37
	H162		
	H164		

*Reference — SAE Recommended Practice, J182a, A Motor Vehicle Fiducial Marks — September, 1973.

MVMA Specifications Form
Passenger Car

Car Line CORVETTE
Model Year 1979 Issued 9/78 Revised (•)

Car and Body Dimensions See Key Sheets for definitions

U. S. Customary Units Only

	SAE Ref. No.	Body Type: 2-Door Sport Coupe

Glass

Backlight slope angle	H121	57.0°
Windshield slope angle	H122	7.4
Tumble-Home	W122	793.5
Windshield glass exposed surface area—cm^2 ($in.^2$)	S1	800.8
Side glass exposed surface area—cm^2 ($in.^2$)	S2	1425.3
Backlight glass exposed surface area—cm^2 ($in.^2$)	S3	3019.6
Total glass exposed surface area—cm^2 ($in.^2$)	S4	Curved - Laminated plate - tinted
Windshield glass type		Curved - Tempered plate - tinted
Side glass type		Curved - Tempered plate - tinted
Backlight glass type		

Lamps and Headlamp Shape*

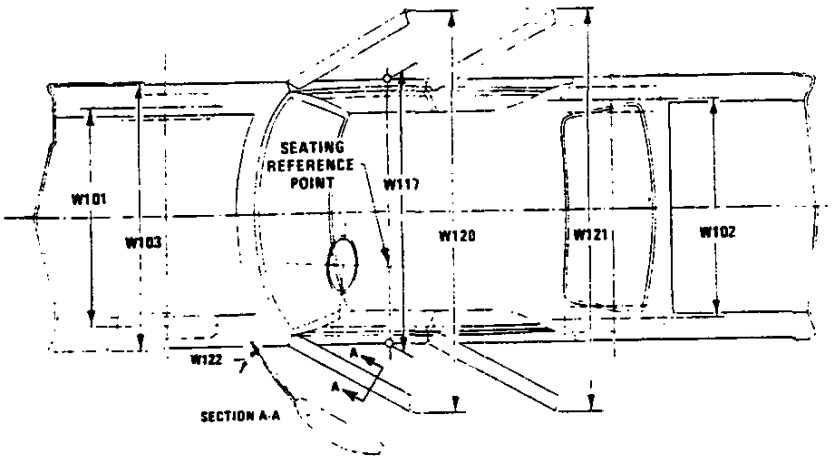
Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	25.9
		Lowest	25.9
	Tail (H126)	Highest	25.4
		Lowest	25.4
	Sidemarker	Front	17.5
		Rear	18.9
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside**	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	
Headlamp Shape			Round

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

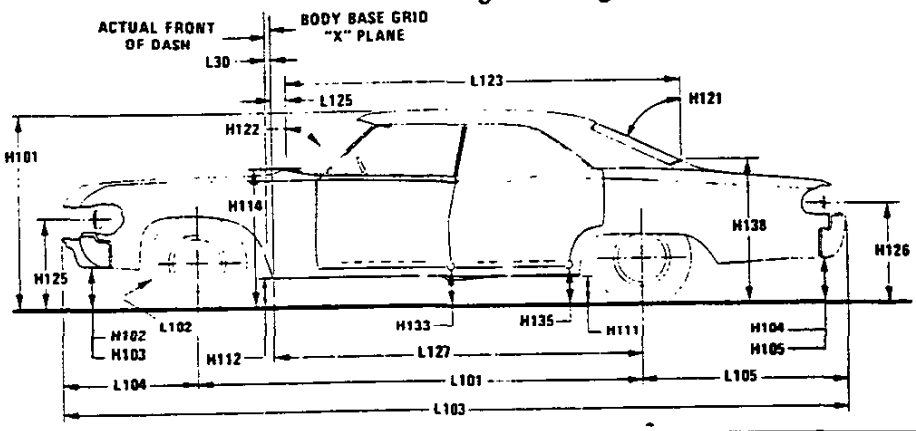
MVMA Specifications Form
Passenger Car

Exterior Car And Body Dimensions — Key Sheet

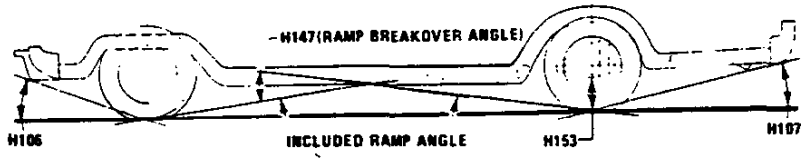
Exterior Width



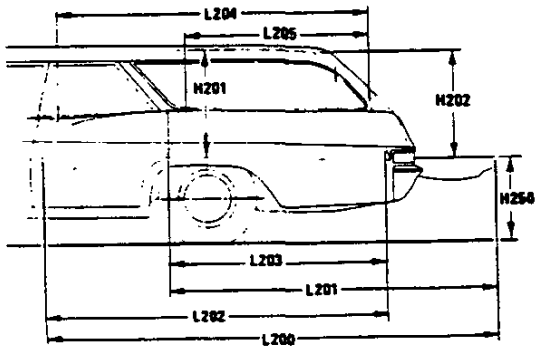
Exterior Length & Height



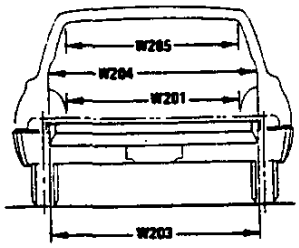
Exterior Ground Clearance

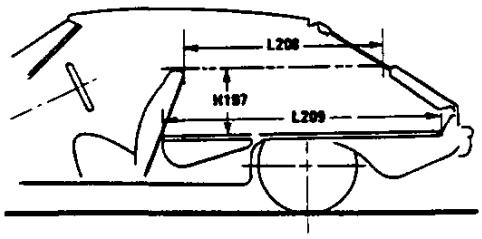


Cargo Space



Station Wagon



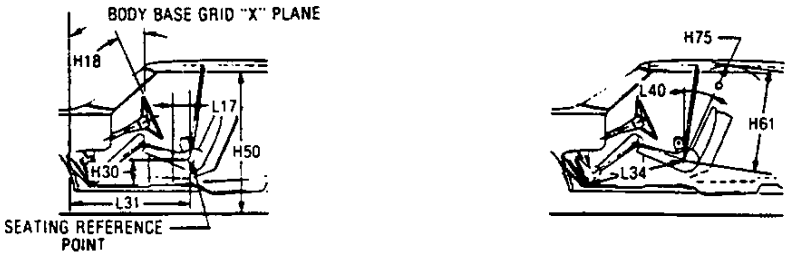


Hatchback

MVMA Specifications Form
Passenger Car

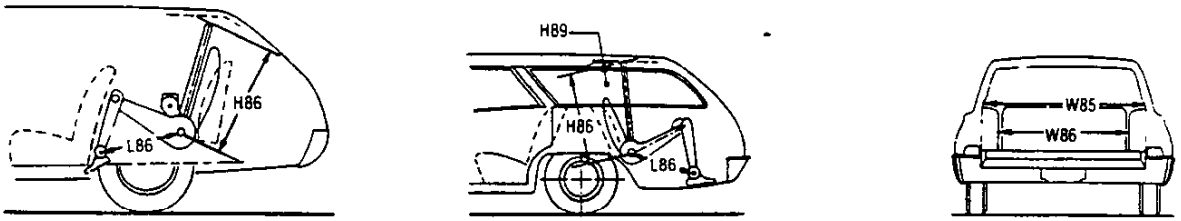
Interior Car And Body Dimensions – Key Sheet

Front Compartment

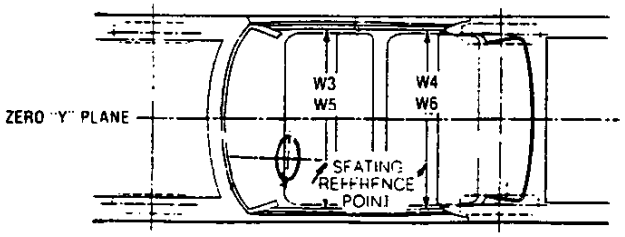


Rear Compartment

Third Seat



Interior Width



MVMA Specifications Form
Passenger Car

Exterior Car And Body Dimensions — Key Sheet
Dimension 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 designed 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, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

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

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

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

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

W120 VEHICLE WIDTH — FRONT DOORS OPEN. The dimension measured between the widest point on the 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

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash is forward of the zero "X" plane.

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.

L102 TIRE SIZE. As specified by the manufacturer.

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.

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

L125 COWL POINT "X" COORDINATE.

Height Dimensions

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

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

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

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.

H132 BOTTOM OF DOOR OPEN — FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, 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.

H134 BOTTOM OF DOOR OPEN — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open 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.

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 are 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 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.

H125 HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.

H126 TAILLAMP TO GROUND. The dimension measured vertically from the centerline of the upper bulb to ground.

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.

MVMA Specifications Form
Passenger Car

Interior Car And Body Dimensions — Key Sheet
Dimension Definitions

H103 FRONT BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.

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 WEIGHT. 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 are 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 are the initial point of structural interference reaward of the rear tire to ground. The limiting component shall be designated.

H147 REAR 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.

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION — FRONT.

L31 SgRP — FRONT "X" COORDINATED.

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

H75 EFFECTIVE T-POINT HEAD ROOM — FRONT. The minimum radius from the T-point to the headlining plus 30 in (762 mm).

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

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

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

W3 SHOULDER ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front within the belt line and 10.0 in. (254 mm) above the SgRP - front

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

H150 UPPER BODY OPENING TO GROUND — FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP - front "X" plane.

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

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

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION — SECOND

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

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

H76 EFFECTIVE T-POINT HEAD ROOM — SECOND. Measured in the same manner as H75.

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

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.

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

L3 COMPARTMENT ROOM — SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

W4 SHOULDER ROOM — SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP - second within 10.0-16.0 in. (254-406 mm) above the SgRP - second.

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

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

Station Wagon - Third Seat Dimensions

PD3 PASSENGER DIRECTION — THIRD.

W85 SHOULDER ROOM — THIRD. Measured in the same manner as W5.

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

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

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 4.0 in. (102 mm).

H89 EFFECTIVE T-POINT HEAD ROOM — THIRD. Measured in the same manner as H75.

Station Wagon - Cargo Space Dimensions

L200 CARGO LENGTH — OPEN — FRONT. The minimum dimension measured longitudinally from the back of

Interior Car And Body Dimensions — Key Sheet
Dimension Definitions

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 suface 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 back panel 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 wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

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

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting intereferences 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.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated 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 WEIGHT). 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:

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

Measured in mm:

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

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

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 manufacturer's specifications for Design "H" Point).

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.

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.

V3 HATCHBACK.
Measured in inches:

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

Measured in mm:

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

MVMA Specifications Form
Passenger Car

Index