

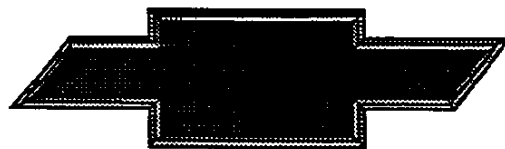
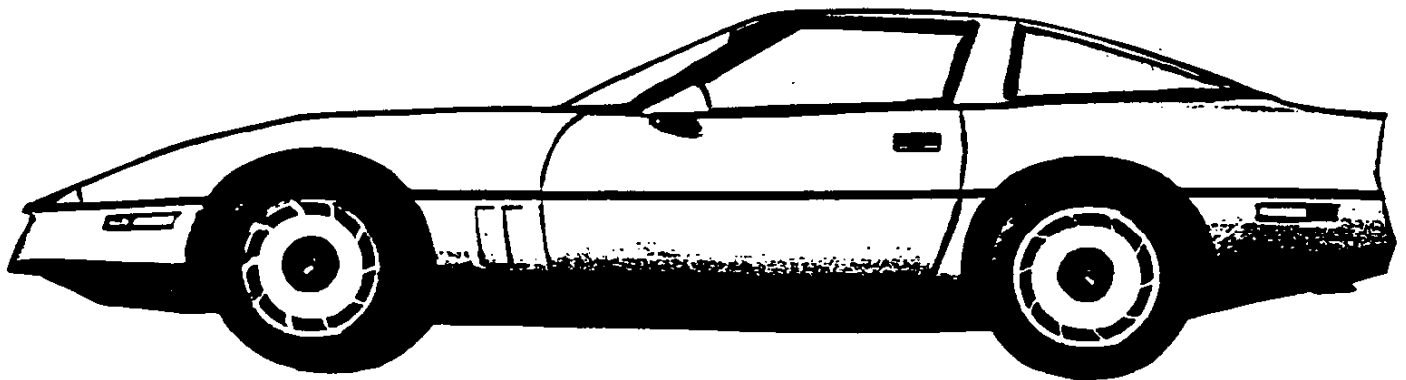




CORVETTE

1985

SPECIFICATIONS



GENUINE CHEVROLET

The Corvette Black Book

1953-1993

October 1992

Published by

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1
2



1985 CORVETTE

Production: 39,729 coupes

1985 NUMBERS

Vehicle: 1G1YY0787F5100001 thru 1G1YY0787F5139729

• Ninth digit is a check code and varies.

Suffix: ZDF: 350ci, 230hp, at ZJJ: 350ci, 230hp, at, oc
 ZJB: 350ci, 230hp, mt ZJK: 350ci, 230hp, mt, oc
 ZJC: Export

Block: 14010207: All

Head: 462624: All

Abbreviations: at=automatic transmission, ci=cubic inch, hp=horsepower, mt=manual transmission, oc=engine oil cooler.

1985 FACTS

- The 1982 and 1984 Corvette engines had "Cross Fire Injection," but genuine fuel injection returned to the Corvette in 1985 for the first time in two decades. The 1985 tuned-port injection, built by Bosch, was standard equipment and featured a mass airflow sensor, aluminum-tube tuned intake runners, a mold-cast plenum, and an air cleaner mounted forward of the radiator support. This new L98 engine delivered a horsepower increase from 205hp to 230hp, a torque increase from 290 lb.-ft. to 330, and a real-world fuel economy increase of about 11%.
- The overdrive selection switch for 4-speed manual transmissions was moved during 1985 production from the console to the gear shift knob.
- Suspension rates were lowered in 1985, a result of harsh ride criticism. Springs for the base suspension were softer by 26% in front, 25% in the rear. Springs for RPO Z51 were 16% softer in front and 25% softer in the rear. To compensate for the spring change, larger-diameter stabilizer bars were included with Z51-equipped models.
- In its January 1985 "ten best" issue, *Car and Driver* magazine pronounced the Corvette to be America's fastest production car at an even 150mph top speed. Corvette also took top honors in top-gear acceleration and tied for best (with Porsche) in roadholding as measured by G-force skidpad adhesion.
- The bore of the brake master cylinder was increased in 1985, and the booster itself was plastic, the first such application in an American car. The new plastic booster was 30% lighter and less subject to corrosion.
- Manual transmission 1985s came with a new, heavy-duty 8.5-inch ring differential. Rear axle gearing for manuals was 3.07:1. Standard gearing for automatic transmissions was 2.73:1, but the 3.07:1 could be ordered as RPO G92.
- Wheel balance weights changed in 1985 from the outside-rim, clip-on style, to an inner-surface adhesive type. The change was mainly for aesthetics, but Chevrolet also believed a better balance resulted because of the adhesive weight's proximity to the wheel's depth center.
- A full length oil pan gasket reinforcement was added to the 1985 Corvette engine to improve gasket compression seal.
- The 1985 Corvette distributor was modified to prevent distributor spark ignition of exterior fuel vapors.
- Electronic instrumentation continued much as the previous year, but displays were revised and improved with cleaner graphics, less color on the speedometer and tachometer, and larger digits for the center-cluster liquid crystal displays.
- A map strap was added to the 1985's driver-side sun visor.
- Electronic air conditioning was announced as a late 1985 option, but introduction was delayed into the 1986 model year.



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3



1985 OPTIONS

RPO #	DESCRIPTION	QTY	RETAIL \$
1YY07	Base Corvette Sport Coupe	39,729	\$24,403.00
AG9	Power Driver Seat	37,856	215.00
AQ9	Sport Seats, leather	—	1,025.00
AR9	Base Seats, leather	—	400.00
—	Sport Seats, cloth	5,661	625.00
AU3	Power Door Locks	38,294	170.00
CC3	Removable Transparent Roof Panel	28,143	595.00
D84	Two-Tone Paint	6,033	428.00
FG3	Delco-Bilstein Shock Absorbers	9,333	189.00
G92	Performance Axle Ratio	5,447	22.00
K34	Cruise Control	38,369	185.00
MM4	4-Speed Manual Transmission	9,576	0.00
NN5	California Emission Requirements	6,583	99.00
UL5	Radio Delete	172	-256.00
UN8	AM-FM Stereo, Citizens Band	16	215.00
UU8	Stereo System, Delco-Bose	35,998	895.00
V08	Heavy-Duty Cooling	17,539	225.00
Z51	Performance Handling Package	14,802	470.00
Z6A	Rear Window+Side Mirror Defoggers	37,720	160.00

- A 350ci, 230hp engine, 4-speed automatic transmission, removable body-color roof panel, and cloth seats were included in the base price.
- The optional sport seat, available only in cloth for 1984, became available in leather after the start of 1985 production. The total number of leather seats sold was 30,955, but the individual quantities of base leather seats and sport leather seats is not currently available.
- RPO Z51 included FG3 Delco-Bilstein shock absorbers, V08 heavy-duty cooling, extra radiator fan (pusher), heavy-duty front and rear springs, stabilizers and bushings, fast steering ratio and 16x9.5-inch wheels. FG3 and V08 were available separately with non-Z51 models.
- The RPO CC3 removable transparent roof panel was given stronger sun screening for 1985.

1985 COLORS

CODE	EXTERIOR	QTY	WHEELS	INTERIORS
13	Silver Metallic	1,752	Alloy	Gr-Mg
18	Medium Gray Metallic	2,519	Alloy	Gr-Mg
20	Light Blue Metallic	1,021	Alloy	Mb
23	Medium Blue Metallic	2,041	Alloy	Mb
40	White	4,455	Alloy	Ca-Gr-S-Mb-Mg
41	Black	7,603	Alloy	Ca-Gr-S-Mg
53	Gold Metallic	1,411	Alloy	S
63	Light Bronze Metallic	1,440	Alloy	Br
66	Dark Bronze Metallic	1,030	Alloy	Br
81	Bright Red	10,424	Alloy	Ca-Gr-S-Mg
13/18	Silver/Gray	2,170	Alloy	Gr-Mg
20/23	Light Blue/Medium Blue	1,470	Alloy	Mb
63/66	Light Bronze/Dark Bronze	2,393	Alloy	Br

- Suggested interiors shown. Other combinations were possible.
- Code 33 also used for Bright Red. Exterior colors for 1985 were the same as 1984, except Silver and Bright Red were brighter hues.
- Interior colors sold in 1985 were 11,927 graphite, 8,272 carmine, 5,195 medium gray, 5,176 bronze, 4,715 saddle, 4,443 medium blue.
- All wheels were alloy with similar exterior appearance. Standard wheels were 16x8.5-inch front and rear; the RPO Z51 package had 16x9.5-inch wheels front and rear.

Interior Codes: 12C=Gr/C, 12V=Gr/Sc, 122=Gr/L, 15C=Mg/C, 15V=Mg/Sc, 152=Mg/L, 28C=Mb/C, 28V=Mb/Sc, 282=Mb/L, 62C=S/C, 62V=S/Sc, 622=S/L, 65C=Br/C, 65V=Br/Sc, 652=Br/L, 742=Ca/L.

Abbreviations: Ca=Carmine, Br=Bronze, C=Cloth, Gr=Graphite, L=Leather, Mb=Medium Blue, Mg=Medium Gray, S=Saddle, Sc=Sport Seat Cloth.



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3



General Motors 1985 VIN System

Passenger Car

Customer Service

1985 PASSENGER CAR VIN SYSTEM

TYPICAL VIN 1G1GZ37H0FR123456

POSITION NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

1 = U.S. BUILT
2 = CANADIAN BUILT
J = JAPAN BUILT

G = GENERAL MOTORS
S = SUZUKI
B = ISUZU
Y = HONDA

ENGINE TYPE
CHECK DIGIT
BODY TYPE/RESTRAINT SYSTEM
PLANT
F = 1985 MODEL YEAR

3 MAKE
4 - CHEVROLET 3 - OLDSMOBILE 6 - CADILLAC
2 - PONTIAC 4 - BUICK 7 - GM OF CANADA

4-5 CARLINE/SERIES

6-7 BODY TYPE/RESTRAINT SYSTEM

8 ENGINE TYPE

11 PLANT

The information shown is correct at time of printing, but may be changed during model year.

Light Truck

Customer Service

1985 LIGHT DUTY TRUCK, MULTIPURPOSE PASSENGER VEHICLE AND INCOMPLETE VEHICLE VIN SYSTEM

TYPICAL VIN 1GTDK14J3FF512345

POSITION NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

1 = U.S. BUILT
2 = CANADIAN BUILT
3 = MEXICO BUILT

G = GENERAL MOTORS

GVWR BRAKE SYSTEM
LINE & CHASSIS TYPE
ENGINE TYPE
F = 1985 MODEL YEAR

3 MAKE
4 GVWR RANGE
5 LINE & CHASSIS TYPE
6 SERIES
7 BODY TYPE
8 ENGINE TYPE

9 TRUCK LINE & CAB TYPE
10 GVWR BRAKE SYSTEM
11 LINE & CHASSIS TYPE
12 SERIES
13 BODY TYPE
14 ENGINE TYPE

15 TRUCK LINE & CAB TYPE
16 GVWR BRAKE SYSTEM
17 LINE & CHASSIS TYPE

1985 MEDIUM & HEAVY DUTY TRUCK VIN SYSTEM

TYPICAL VIN 1GTM7D1E7FV556123

POSITION NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

1 = U.S. BUILT
2 = CANADIAN BUILT
J = JAPAN BUILT

G = GENERAL MOTORS
B = ISUZU

B = CHEVY INCOMPLETE
C = CHEVY TRUCK
D = GMC INCOMPLETE
T = GMC TRUCK

4 GVWR BRAKE SYSTEM
5 TRUCK LINE & CAB TYPE
6 CHASSIS TYPE
7 ENGINE TYPE
8 TRUCK LINE & CAB TYPE

9 GVWR BRAKE SYSTEM
10 TRUCK LINE & CAB TYPE
11 CHASSIS TYPE
12 SERIES
13 BODY TYPE
14 ENGINE TYPE

15 TRUCK LINE & CAB TYPE
16 GVWR BRAKE SYSTEM
17 LINE & CHASSIS TYPE

General Motors Corporation, Consumer Relations & Service Staff GM Bldg. 2-237, Detroit, MI 48202.
Litho in U.S.A. 9/84



SECTION OA

GENERAL INFORMATION

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Unit Identification Numbers	OA-1
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Lubrication Points	OA-1
Vehicle Lifting Procedures	OA-1
Metric Information	OA-7
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GENERAL INFORMATION

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

VEHICLE IDENTIFICATION NUMBER (VIN)

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

FLUID CAPACITIES

Refer to Figure OA-3 for fluid capacities.

UNIT IDENTIFICATION NUMBERS

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

LUBRICATION POINTS

Refer to Figure OA-7 for typical lubrication points.

VEHICLE LIFTING PROCEDURES

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

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

Rear Spindle Support Protector Sleeve

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

A protector for the spindle support rods may be fabricated as shown in Figure OA-6.1 to prevent surface nicks or gouges where the lifts contact the rods.

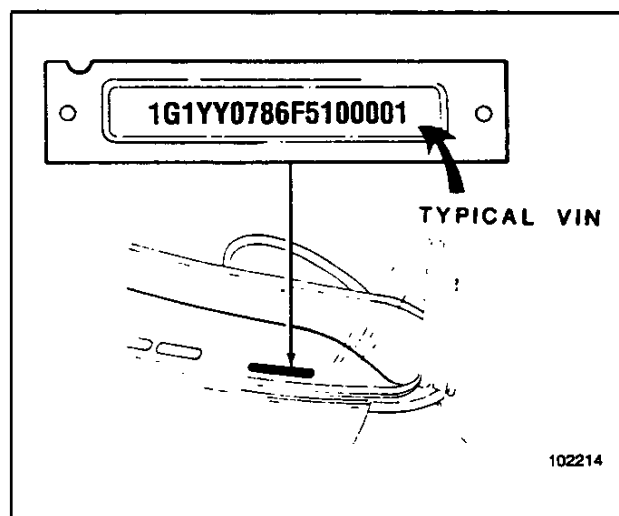


Figure OA-1 Vehicle Identification Number Location

102214

PASSENGER CAR VEHICLE IDENTIFICATION NUMBER

1 G 1 Y Y 07 8 6 F 5 10001

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

MANUFACTURER
G GENERAL MOTORS

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

PLANT SEQUENTIAL NUMBER

MODEL YEAR
F 1985
G 1986
H 1987
J 1988
K 1989
L 1990

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

CHECK DIGIT

CARLINE/SERIES		
	CARLINE	SERIES
CELEBRITY	A	W
CAPRICE CLASSIC	B	N
IMPALA	B	L
CAMARO SPORT COUPE	F	P
CAMARO BERLINETTA	F	S
MONTE CARLO	G	Z
EL CAMINO	C*	W**
CAVALIER	J	C
CAVALIER TYPE 10	J	E
CAVALIER CS	J	D
CHEVETTE CS	T	B
CHEVETTE	T	J
CITATION II NOTCHBACK	X	H
CITATION II HATCHBACK	X	X
CORVETTE	Y	Y

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

CODE	RPO	TYPE	PRODUCER	CARLINE
A	LD5	3.8L V6 2BBL	BUICK	B-G
C	L17	1.6L L4 2BBL	CHEVROLET	T
D	LJ5	1.8L L4 DIESEL	ISUZU	T
F	LB9	5.0L V8 TPI	CHEVROLET	F
G	LB9	5.0L V8 4BBL	CHEVROLET	G-F
H	LG4	5.0L V8 4BBL	CHEVROLET	B-G-F*
N	LF9	5.7L V8 DIESEL	OLDSMOBILE	B
P	LQ5	2.0L L4 TBI	CHEVROLET	J
R	LR8	2.5L L4 TBI	PONTIAC	A-X
S	LB8	2.8L V6 MFI	CHEVROLET	F
T	LT7	4.3L V6 DIESEL	OLDSMOBILE	A
W	LB6	2.8L V6 MFI	CHEVROLET	A-X-J
X	LE2	2.8L V6 2BBL	CHEVROLET	A-X
Z	LB4	4.3L V6 EFI	CHEVROLET	B-G*
2	LQ9	2.5L L4 EFI	PONTIAC	F
6	LM1	5.7L V8 4BBL	CHEVROLET	B
8	L98	5.7L V8 TPI	CHEVROLET	Y

*INDICATES EL CAMINO USAGE

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

Figure OA-2 Vehicle Identification Number Codes

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

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

Figure OA-3 Fluid Capacities

Component	Type	Location
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

102216

Figure OA-4 Component Identification Number Location

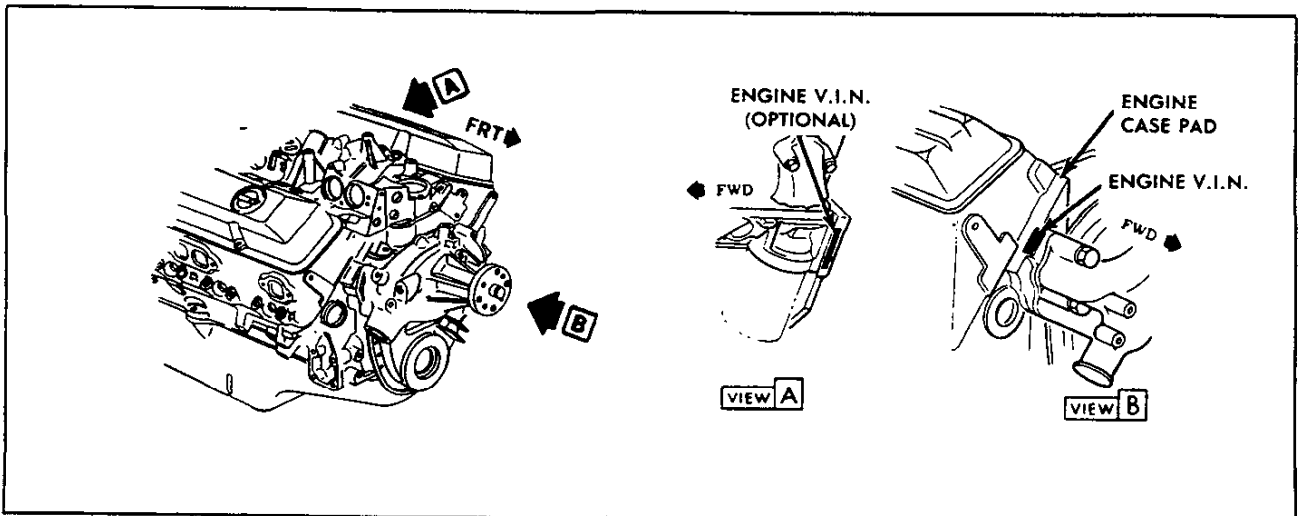


Figure OA-5 Engine V.I.N. Location

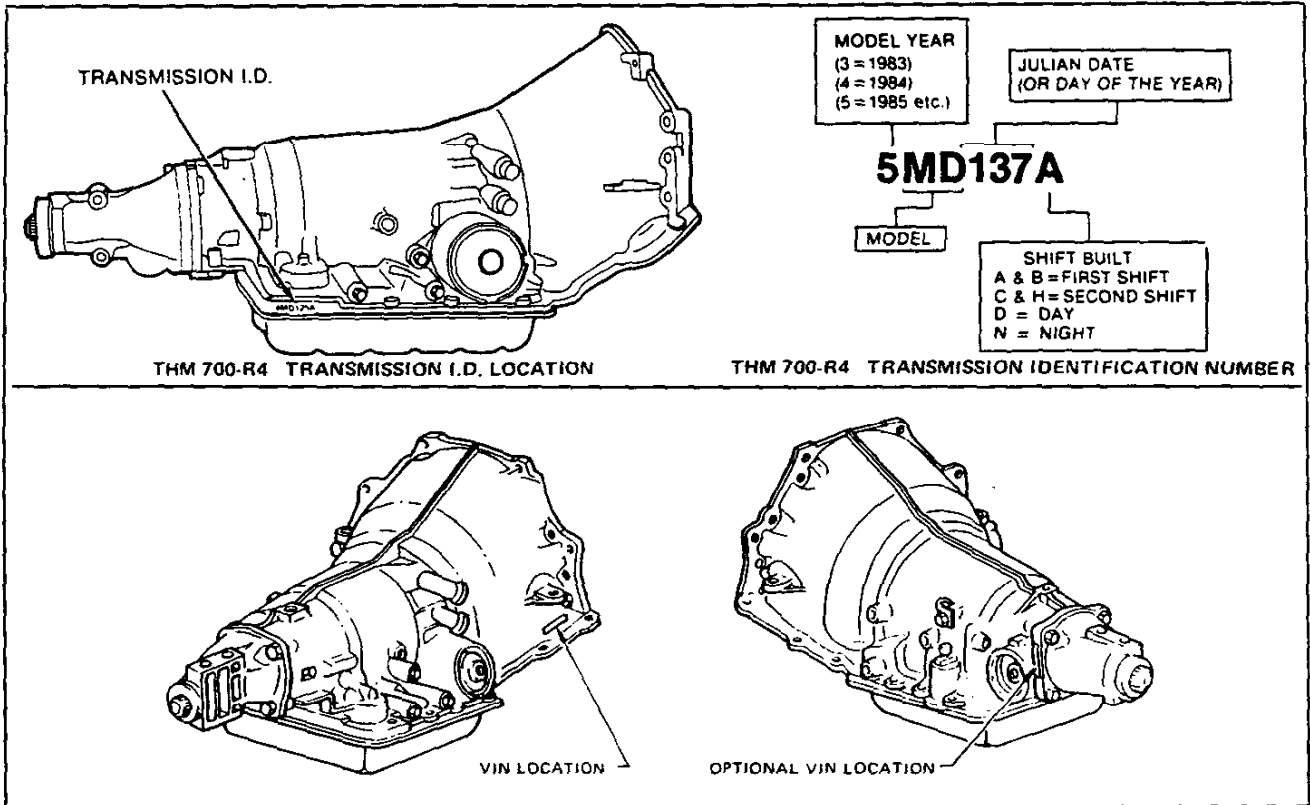


Figure OA-6 Automatic Transmission Identification

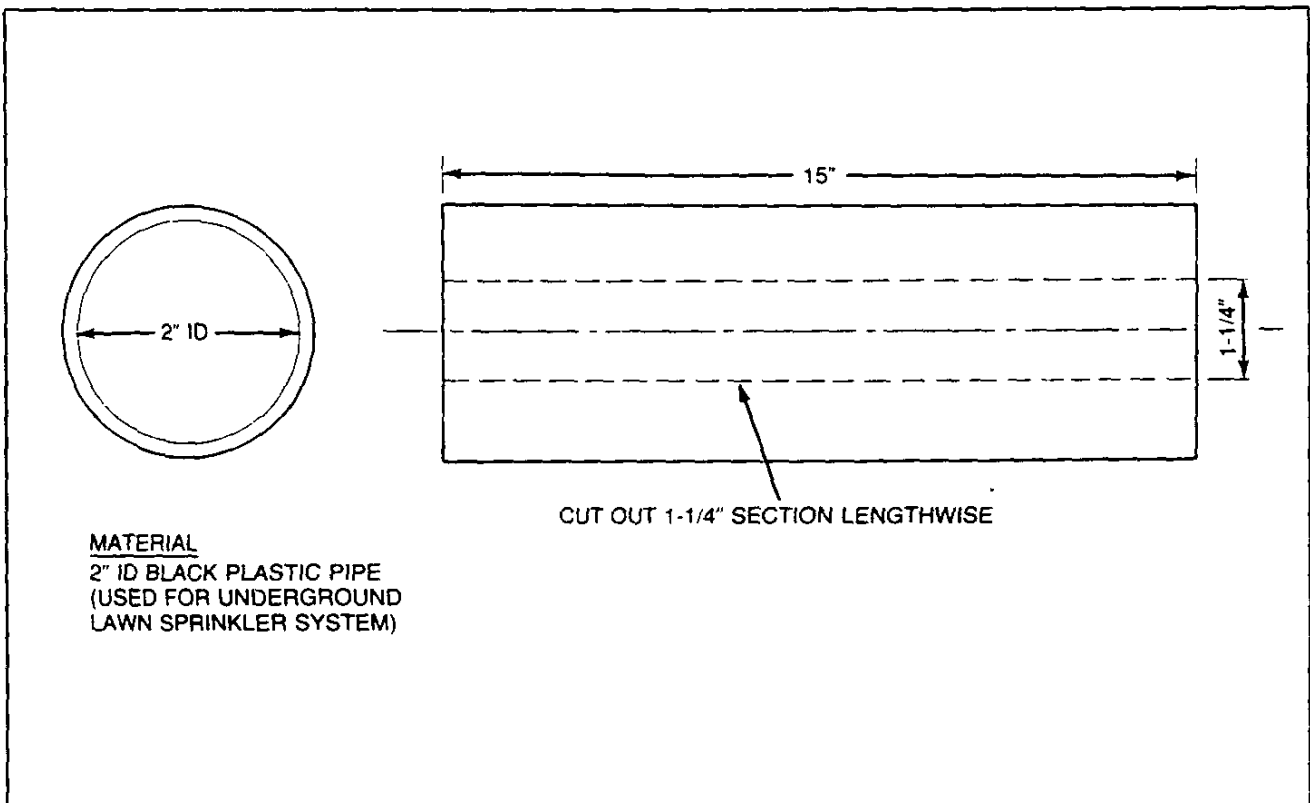


Figure OA-6.1 Support Rod Protector Sleeve

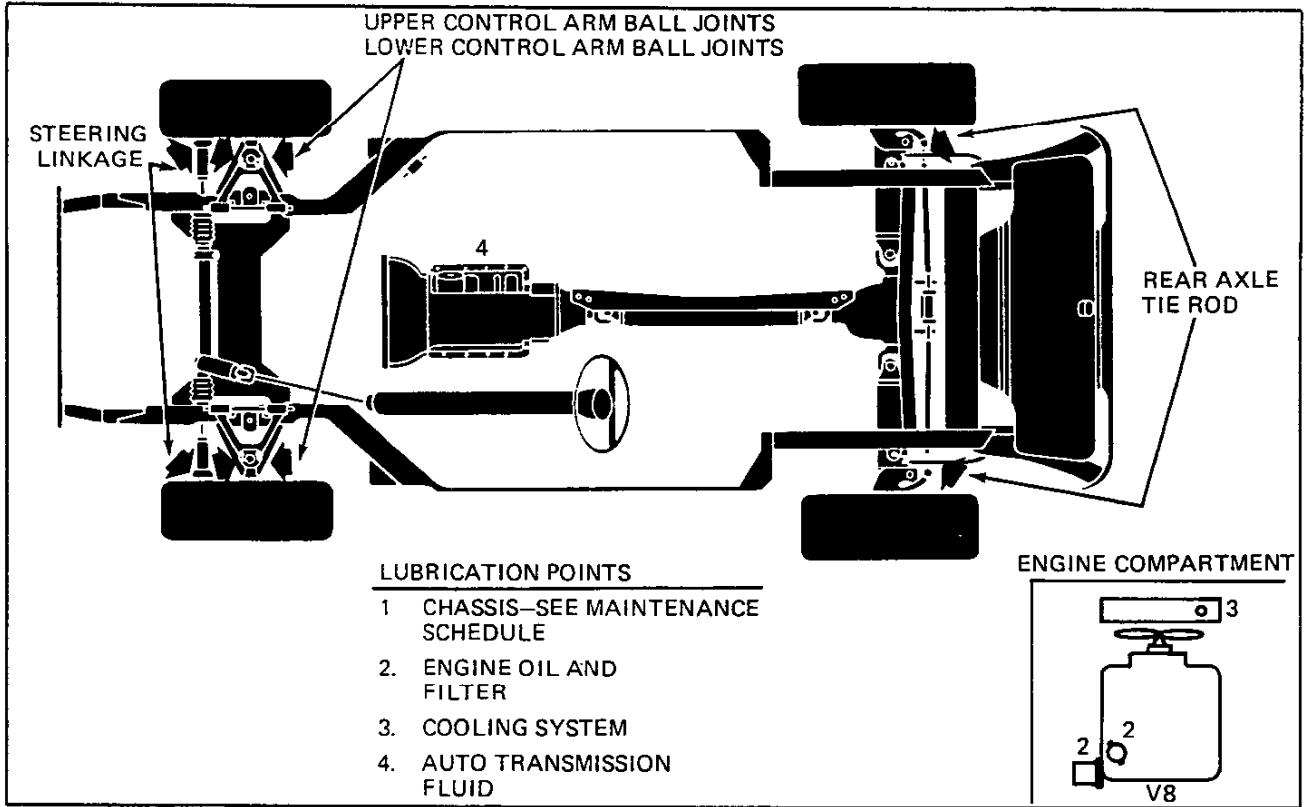


Figure OA-7 Lubrication Diagram

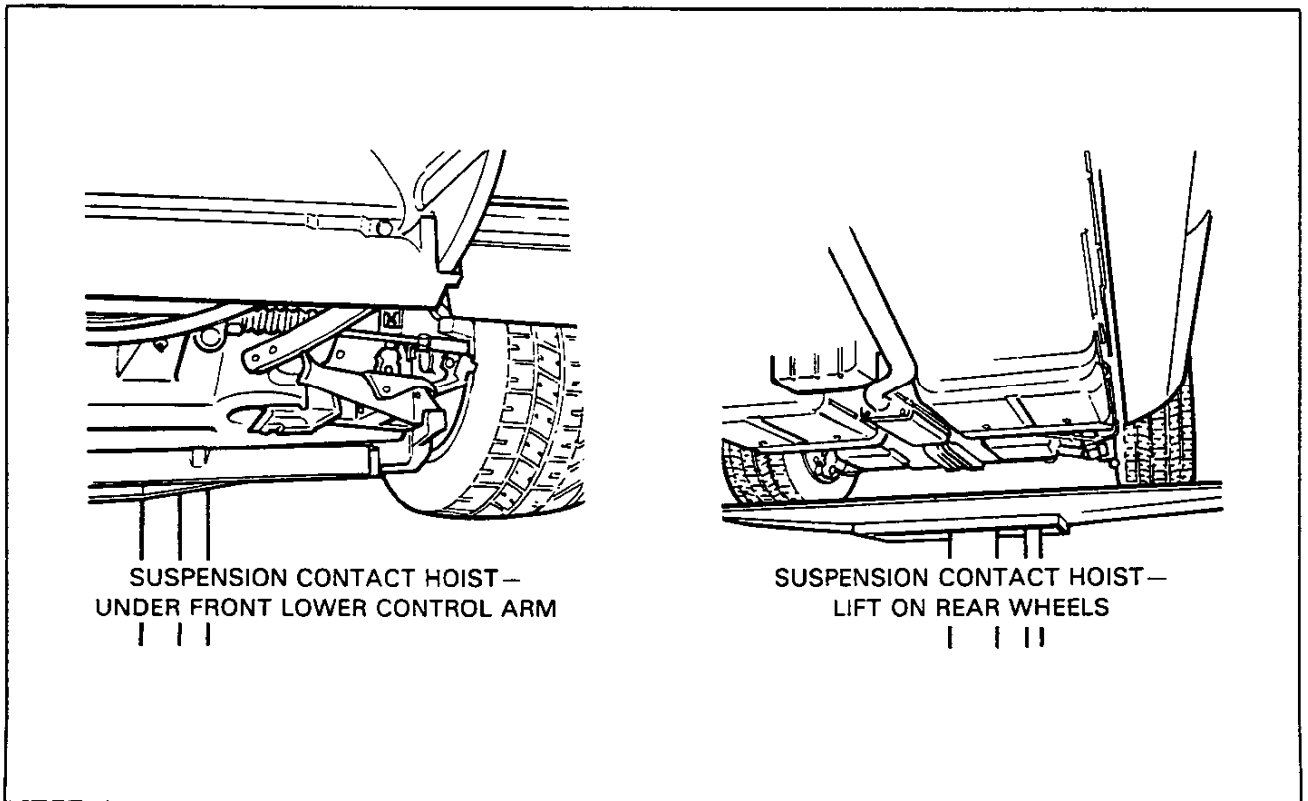
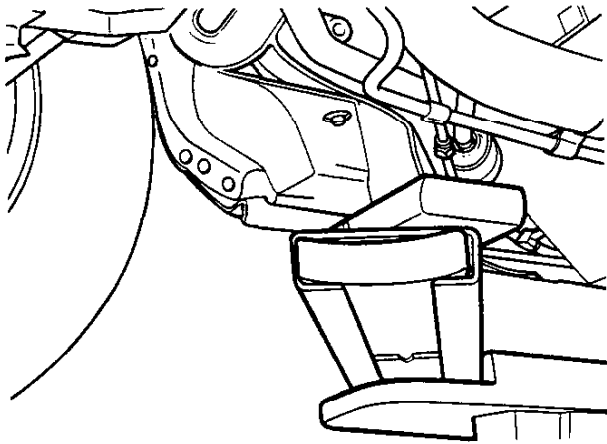
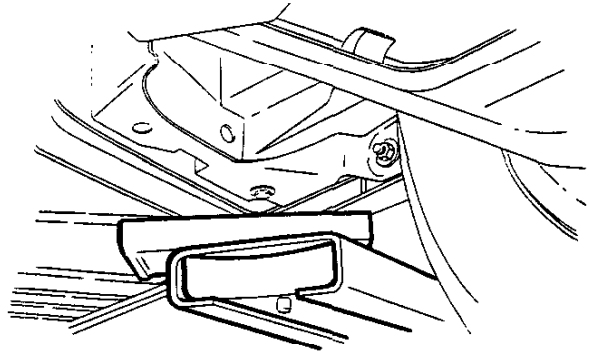


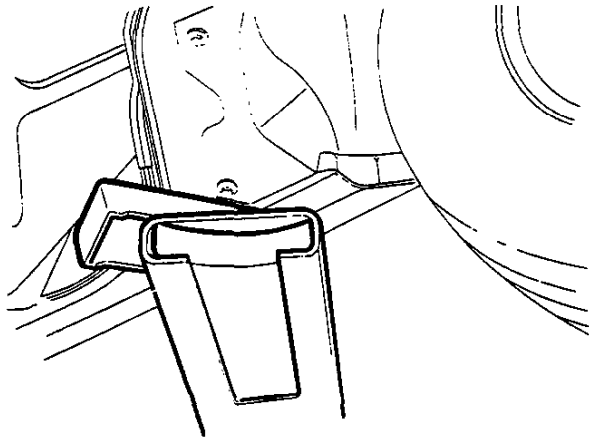
Figure OA-8 Vehicle Lift Points - Suspension Contact Hoist



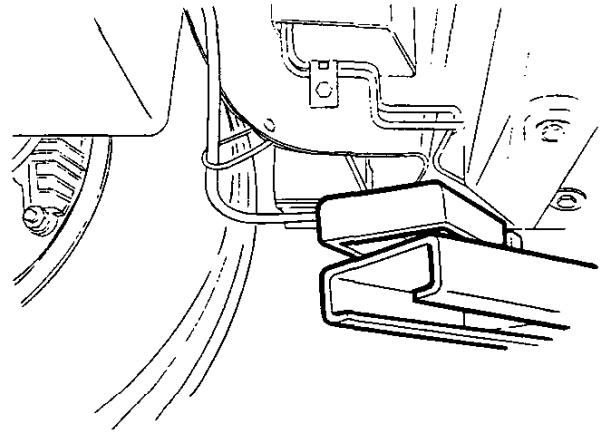
RIGHT SIDE
FRAME CONTACT HOIST
REARWARD OF FRONT WHEEL



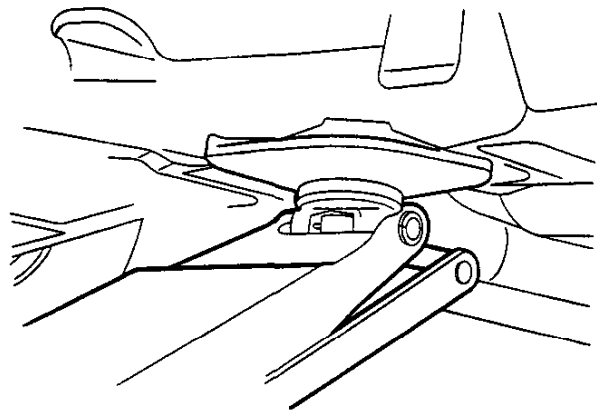
LEFT SIDE
FRAME CONTACT HOIST
REARWARD OF FRONT WHEEL



RIGHT SIDE
FRAME CONTACT HOIST
FORWARD OF REAR WHEEL



LEFT SIDE
FRAME CONTACT HOIST
FORWARD OF REAR WHEEL



FLOOR JACK-FRONT

Figure OA-9 Vehicle Lift Points (Cont.)

USE OF METRIC AND CUSTOMARY NUTS, BOLTS AND SCREWS

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

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

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

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

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




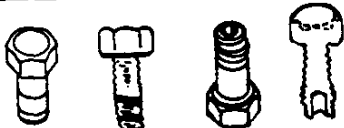





When obtaining metric or customary nuts, bolts, and screws locally for servicing the vehicle, care must be exercised in selecting parts that are equivalent to the original parts in dimensions, strength, and pitch of threads.

Figure OA-10 Metric Information, Chart A

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

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

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

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

RECOMMENDATIONS FOR REUSE

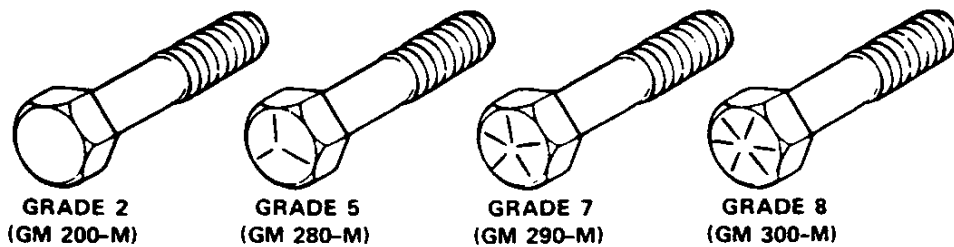
- A. CLEAN, UNRUSTED PREVAILING TORQUE BOLTS AND NUTS MAY BE REUSED AS FOLLOWS:
- CLEAN DIRT AND OTHER FOREIGN MATERIAL OFF NUT AND BOLT.
 - INSPECT BOLT AND NUT TO ASSURE THERE ARE NO CRACKS, ELONGATION OR OTHER SIGNS OF ABUSE OR OVERTIGHTENING. LIGHTLY LUBRICATE THREADS. (IF ANY DOUBT, REPLACE WITH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

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

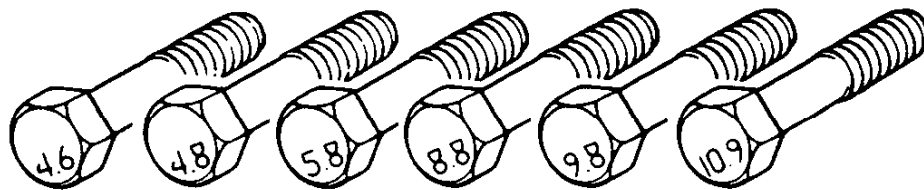
Figure OA-11 Metric Information, Chart B

METRIC BOLT AND NUT IDENTIFICATION

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



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

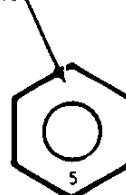


Metric Bolts - Identification class numbers correspond to bolt strength - Increasing numbers represent increasing strength.

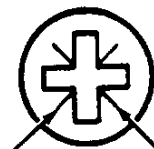
MANUFACTURERS IDENTIFICATION



NUT STRENGTH IDENTIFICATION



POSIDRIV
SCREW HEAD



IDENTIFICATION MARKS (4)

Figure OA-12 Metric Information, Chart C

SI METRIC-CUSTOMARY CONVERSION TABLE

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

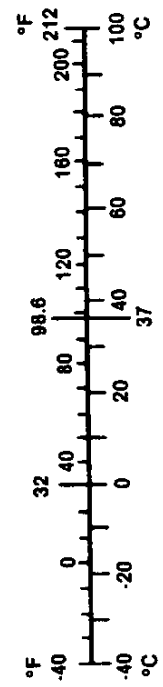


Figure OA-13 Metric Information, Chart D

DECIMAL AND METRIC EQUIVALENTS

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

Figure OA-14 Metric Information, Chart E

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

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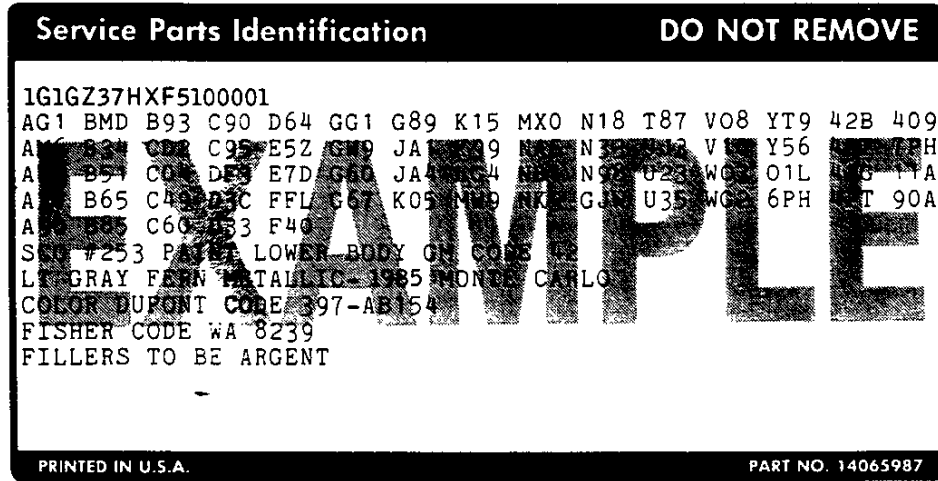
Figure OA-15 Common Abbreviations

SERVICE PARTS IDENTIFICATION LABEL

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

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

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



LABEL LOCATION

CORVETTE

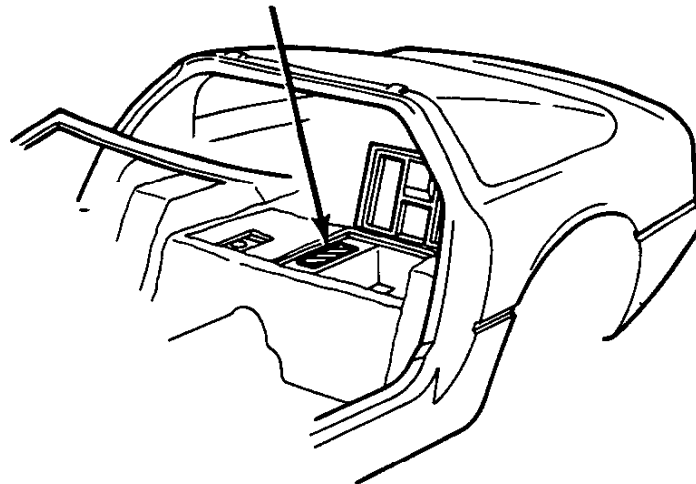


Figure OA-16 Service Parts Identification Label



1985 CORVETTE

Production: 39,729 coupes

1985 NUMBERS

Vehicle: 1G1YY0787F5100001 thru 1G1YY0787F5139729

• Ninth digit is a check code and varies.

Suffix: ZDF: 350ci, 230hp, at ZJJ: 350ci, 230hp, at, oc
 ZJB: 350ci, 230hp, mt ZJK: 350ci, 230hp, mt, oc
 ZJC: Export

Block: 14010207: All

Head: 462624: All

Abbreviations: at=automatic transmission, ci=cubic inch, hp=horsepower, mt=manual transmission, oc=engine oil cooler.

1985 FACTS

- The 1982 and 1984 Corvette engines had "Cross Fire Injection," but genuine fuel injection returned to the Corvette in 1985 for the first time in two decades. The 1985 tuned-port injection, built by Bosch, was standard equipment and featured a mass airflow sensor, aluminum-tube tuned intake runners, a mold-cast plenum, and an air cleaner mounted forward of the radiator support. This new L98 engine delivered a horsepower increase from 205hp to 230hp, a torque increase from 290 lb.-ft. to 330, and a real-world fuel economy increase of about 11%.
- The overdrive selection switch for 4-speed manual transmissions was moved during 1985 production from the console to the gear shift knob.
- Suspension rates were lowered in 1985, a result of harsh ride criticism. Springs for the base suspension were softer by 26% in front, 25% in the rear. Springs for RPO Z51 were 16% softer in front and 25% softer in the rear. To compensate for the spring change, larger-diameter stabilizer bars were included with Z51-equipped models.
- In its January 1985 "ten best" issue, *Car and Driver* magazine pronounced the Corvette to be America's fastest production car at an even 150mph top speed. Corvette also took top honors in top-gear acceleration and tied for best (with Porsche) in roadholding as measured by G-force skidpad adhesion.
- The bore of the brake master cylinder was increased in 1985, and the booster itself was plastic, the first such application in an American car. The new plastic booster was 30% lighter and less subject to corrosion.
- Manual transmission 1985s came with a new, heavy-duty 8.5-inch ring differential. Rear axle gearing for manuals was 3.07:1. Standard gearing for automatic transmissions was 2.73:1, but the 3.07:1 could be ordered as RPO G92.
- Wheel balance weights changed in 1985 from the outside-rim, clip-on style, to an inner-surface adhesive type. The change was mainly for aesthetics, but Chevrolet also believed a better balance resulted because of the adhesive weight's proximity to the wheel's depth center.
- A full length oil pan gasket reinforcement was added to the 1985 Corvette engine to improve gasket compression seal.
- The 1985 Corvette distributor was modified to prevent distributor spark ignition of exterior fuel vapors.
- Electronic instrumentation continued much as the previous year, but displays were revised and improved with cleaner graphics, less color on the speedometer and tachometer, and larger digits for the center-cluster liquid crystal displays.
- A map strap was added to the 1985's driver-side sun visor.
- Electronic air conditioning was announced as a late 1985 option, but introduction was delayed into the 1986 model year.

1985 OPTIONS

RPO #	DESCRIPTION	QTY	RETAIL \$
1YY07	Base Corvette Sport Coupe	39,729	\$24,403.00
AG9	Power Driver Seat	37,856	215.00
AQ9	Sport Seats, leather	—	1,025.00
AR9	Base Seats, leather	—	400.00
—	Sport Seats, cloth	5,661	625.00
AU3	Power Door Locks	38,294	170.00
CC3	Removable Transparent Roof Panel	28,143	595.00
D84	Two-Tone Paint	6,033	428.00
FG3	Delco-Bilstein Shock Absorbers	9,333	189.00
G92	Performance Axle Ratio	5,447	22.00
K34	Cruise Control	38,369	185.00
MM4	4-Speed Manual Transmission	9,576	0.00
NN5	California Emission Requirements	6,583	99.00
UL5	Radio Delete	172	-256.00
UN8	AM-FM Stereo, Citizens Band	16	215.00
UU8	Stereo System, Delco-Bose	35,998	895.00
V08	Heavy-Duty Cooling	17,539	225.00
Z51	Performance Handling Package	14,802	470.00
Z6A	Rear Window+Side Mirror Defoggers	37,720	160.00

• A 350ci, 230hp engine, 4-speed automatic transmission, removable body-color roof panel, and cloth seats were included in the base price.

• The optional sport seat, available only in cloth for 1984, became available in leather after the start of 1985 production. The total number of leather seats sold was 30,955, but the individual quantities of base leather seats and sport leather seats is not currently available.

• RPO Z51 included FG3 Delco-Bilstein shock absorbers, V08 heavy-duty cooling, extra radiator fan (pusher), heavy-duty front and rear springs, stabilizers and bushings, fast steering ratio and 16x9.5-inch wheels. FG3 and V08 were available separately with non-Z51 models.

• The RPO CC3 removable transparent roof panel was given stronger sun screening for 1985.

1985 COLORS

CODE	EXTERIOR	QTY	WHEELS	INTERIORS
13	Silver Metallic	1,752	Alloy	Gr-Mg
18	Medium Gray Metallic	2,519	Alloy	Gr-Mg
20	Light Blue Metallic	1,021	Alloy	Mb
23	Medium Blue Metallic	2,041	Alloy	Mb
40	White	4,455	Alloy	Ca-Gr-S-Mb-Mg
41	Black	7,603	Alloy	Ca-Gr-S-Mg
53	Gold Metallic	1,411	Alloy	S
63	Light Bronze Metallic	1,440	Alloy	Br
66	Dark Bronze Metallic	1,030	Alloy	Br
81	Bright Red	10,424	Alloy	Ca-Gr-S-Mg
13/18	Silver/Gray	2,170	Alloy	Gr-Mg
20/23	Light Blue/Medium Blue	1,470	Alloy	Mb
63/66	Light Bronze/Dark Bronze	2,393	Alloy	Br

• Suggested interiors shown. Other combinations were possible.

• Code 33 also used for Bright Red. Exterior colors for 1985 were the same as 1984, except Silver and Bright Red were brighter hues.

• Interior colors sold in 1985 were 11,927 graphite, 8,272 carmine, 5,195 medium gray, 5,176 bronze, 4,715 saddle, 4,443 medium blue.

• All wheels were alloy with similar exterior appearance. Standard wheels were 16x8.5-inch front and rear; the RPO Z51 package had 16x9.5-inch wheels front and rear.

Interior Codes: 12C=Gr/C, 12V=Gr/Sc, 122=Gr/L, 15C=Mg/C, 15V=Mg/Sc, 152=Mg/L, 28C=Mb/C, 28V=Mb/Sc, 282=Mb/L, 62C=S/C, 62V=S/Sc, 622=S/L, 65C=Br/C, 65V=Br/Sc, 652=Br/L, 742=Ca/L.

Abbreviations: Ca=Carmine, Br=Bronze, C=Cloth, Gr=Graphite, L=Leather, Mb=Medium Blue, Mg=Medium Gray, S=Saddle, Sc=Sport Seat Cloth.

The Corvette Black Book

1953-1993

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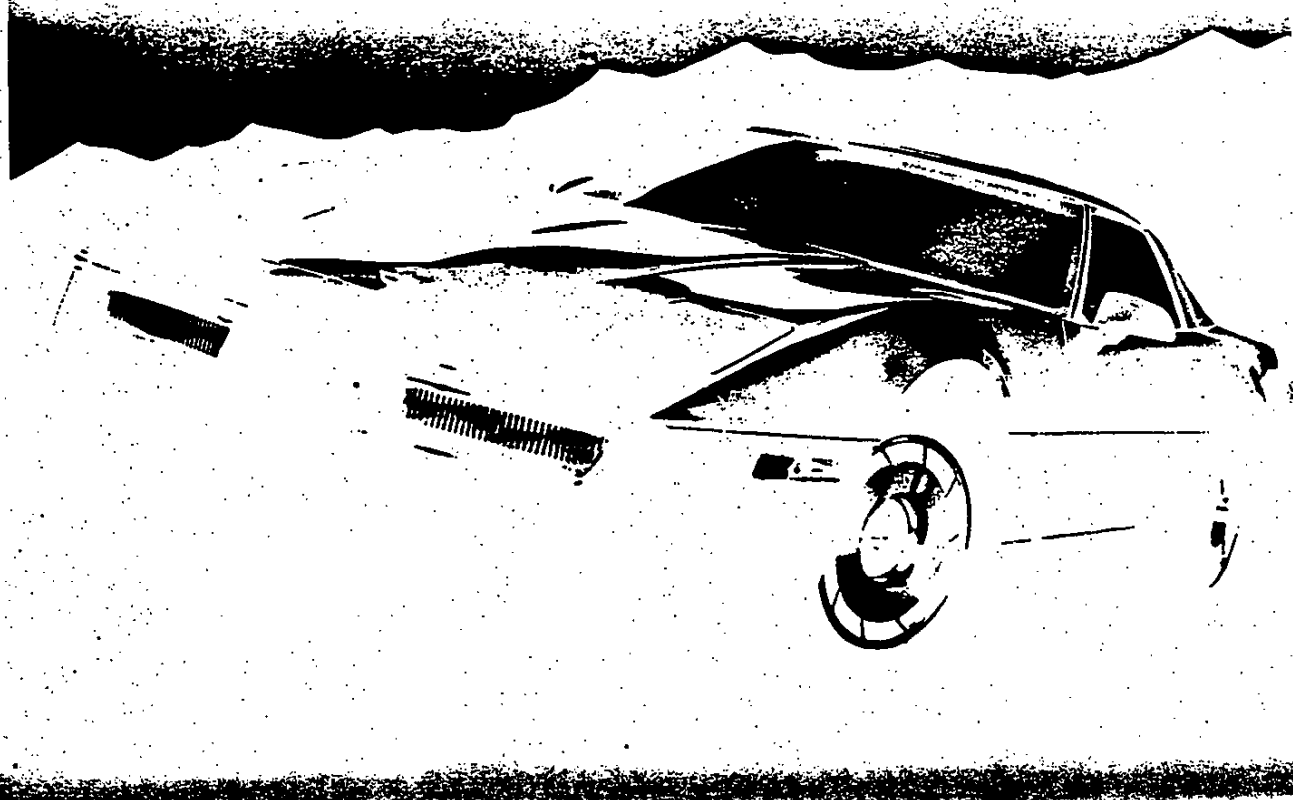
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1985 CHEVROLET

CORVETTE



CORVETTE

A WORLD-CLASS TWO-SEATER

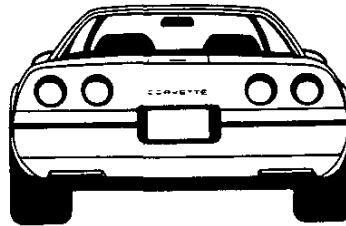
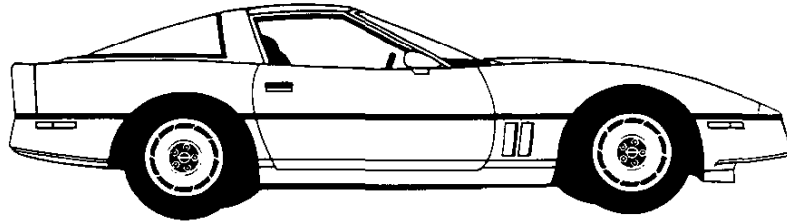
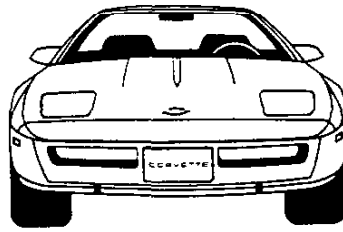
How do you improve upon one of the most-talked-about sports cars in America? You none its ride to make it even more acceptable to a wider variety of drivers. You give it more power. You refine the environment for the driver. The details: A softer standard suspension with gas-cell shocks helps to take out road harshness. The available Z51 Performance Handling Package now comes with Delco/Bilstein gas-charged shocks and is for the aficionado types. New power comes from the 5.7 Liter V8 engine with new Tuned-Port Fuel Injection (TPFI). Not only will it generate more power and torque than last year, but it continues to have Electronic Spark Control that senses spark knock and adjusts the engine to meet the octane level of the fuel in the tank. And as the octane level goes up, so does horsepower — as the timing increases. The driver's environment is enhanced with the availability of a new electronic temperature control* for the air conditioning. The Custom Adjustable Sport Seat is now available with leather* in the seating areas. New graphics and readouts in the instrument panel for more clarity.

*Available mid-year

IMPORTANT FACTS FOR BUYERS

■ This has been one of the most completely equipped cars sold in America ■ Choice of 4-speed manual transmission with automatic overdrive in three top gears to give, in effect, a 7-speed transmission, plus a 4-speed automatic with torque converter clutch in three top gears for highway cruising ■ New heavier duty 8 $\frac{1}{2}$ " ring gear with 4-speed manual transmission ■ Cast alloy road wheels with VR50 unidirectional tires ■ Forged aluminum front and rear suspension arms

1985 CORVETTE



Hatchback Coupe

Corvette Model No.
Hatchback Coupe1YY07

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See Dealer Order Guide for latest available information.

EQUIPMENT SUMMARY

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

POWER TEAMS/ CHASSIS/MECHANICAL (Cont'd)	Corvette Hatchback
Theft-deterrent system with starter interrupt	S
Side-lift jack	S
EXTERIOR	
Front fender louvers	S
Front cornering lamps; rear cornering lamps	S
Automatic power antenna	S
Power-operated quartz-halogen retractable neolamps	S
Dual quartz-halogen fog lamps in grille opening	S
Dual electric remote-controlled sport mirrors	S
Tinted and flush-mounted glass	S
Full-tilting clam-shell-type hood	S
Single removable roof panel	S
Styled engine compartment	S
Designed-in body side molding	S
Frameless rear notch glass with three remote releases	S
Body-color front and rear soft facia with integral front air dam	S
Energy-absorbing bumper systems	S
Corrosion-resistant fiberglass body panels	S
Concealed wipers with integral washers in wiper arms	S
INTERIOR	
Contour-shell cloth bucket seats with lateral support and back-angle adjustments	S
Soft-padded and carpeted door panels	S
Power windows	S
Side window defogger	S

INTERIOR (Cont'd)	Corvette Hatchback
ETR™ AM/FM stereo radio w/seek and scan, digital clock and four speakers*	S
Air conditioning	S
High-intensity interior lamps on door sidewall and B-pillar	S
Underdash courtesy lamps	S
Twin underhood lamps	S
Headlamp-on reminder	S
Intermittent windshield wipers	S
Illuminated RH visor vanity mirror	S
Leather-wrapped steering wheel rim and horn button	S
Tilt-Telescopic steering wheel	S
Driver information system: includes instant MPG, average MPG, and range in digital readouts	S
Ultracontemporary instrument panel featuring electronic liquid-crystal instrumentation with multi-colored analog and digital display. Readouts include: speedometer, 0-7000 RPM tachometer, fuel level, oil pressure, oil temp, water temp, and trip odometer. Conventional readouts for odometer, turn signals and high-beam headlights	S
Manual inside hood release and three electric remote hatch releases	S
Center console with shifter, coin tray, cigarette lighter and ashtray, power window, radio, air conditioning controls, electric mirror controls and override switch for 4-speed manual transmission	S
Day/night rearview mirror	S
Deep-twist floor and stowage area carpet	S
Rear underfloor storage compartments (2)	S
Acoustical insulation package	S
Luggage compartment concealment rear shade	S

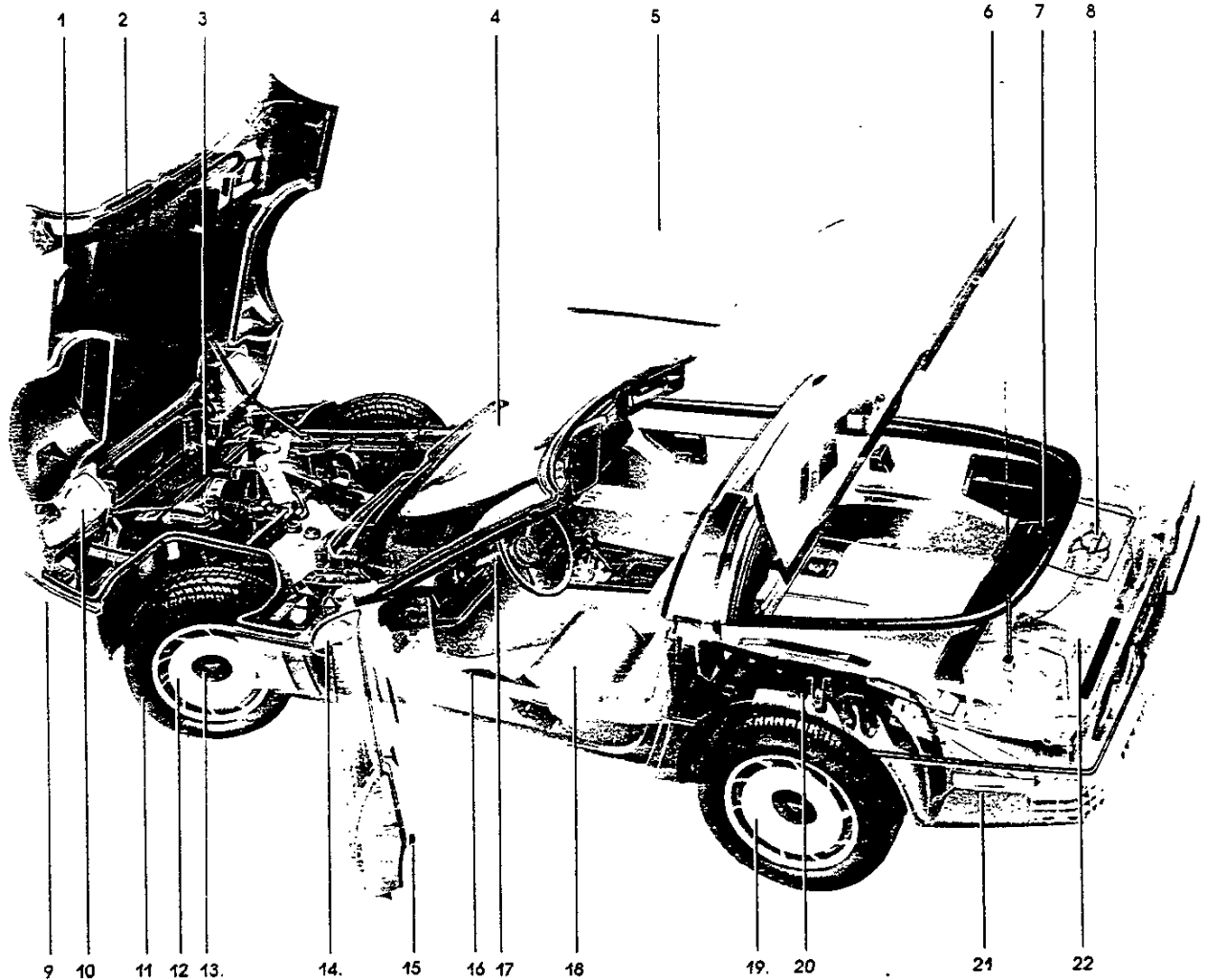
S — Standard *May be deleted for creat

See Dealer Order Guide for latest available information.

1. Twin underhood lamps
2. Clamshell hood opening for convenient engine access
3. Thermostatically controlled electric cooling fan
4. 64° windshield angle

5. One-piece removable roof panel
6. Full-opening glass hatch with concealed hinges
7. Roller-shade-type cargo cover and twin, covered stowage bins
8. Concealed gas filler with cap holder

9. Front cornering lamps
10. Retractable, aerodynamic nitrogen headlamps
11. Tires: P255/50VR-16 Eagle VR50 blackwalls standard
12. Four-wheel disc brakes with 11.5" rotors and finned aluminum calipers



13. Special wheel-bolt locks standard
14. Electrically operated outside mirrors
15. Rear hatch release at each door and in console
16. Left-hand parking brake returns to down position after application

17. Tilt-Telescopic steering wheel
18. Contoured reclining seats with lateral support and wool-pad comfort liner
19. Cast alloy wheels 16" x 8½" standard; 16" x 9½" with Z51 Performance Handling Package (shown)

20. Five-link independent rear suspension with transverse component epoxy spring
21. Rear cornering lamps
22. 20-gallon fuel tank with positive displacement roller vane electric fuel pump

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

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

4. Forged aluminum upper and lower control arms and knuckles

5. Formula I-inspired rear suspension

6. Uniframe assembly with excellent beaming and torsional strength

7. Full-opening clamshell hood for easy engine access

8. One-piece lift-off roof panel; eliminates the T-bar configuration

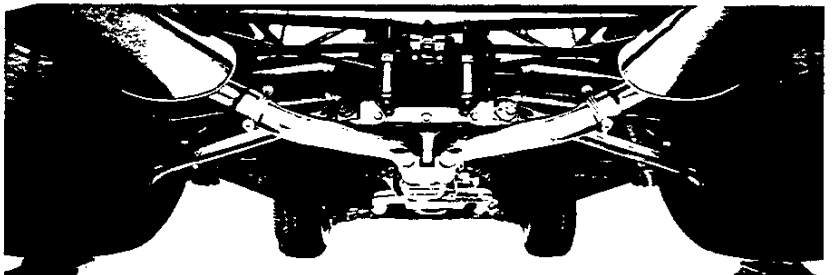
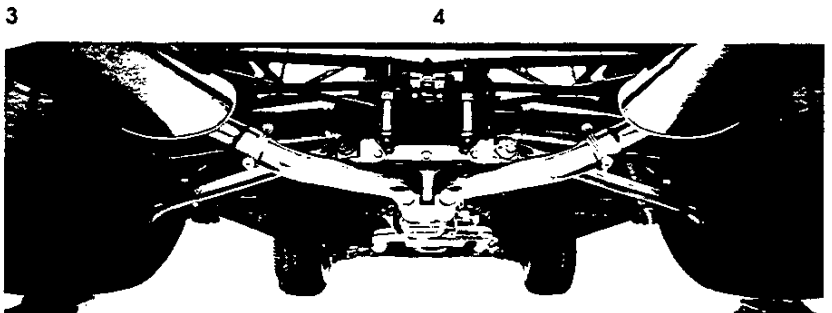
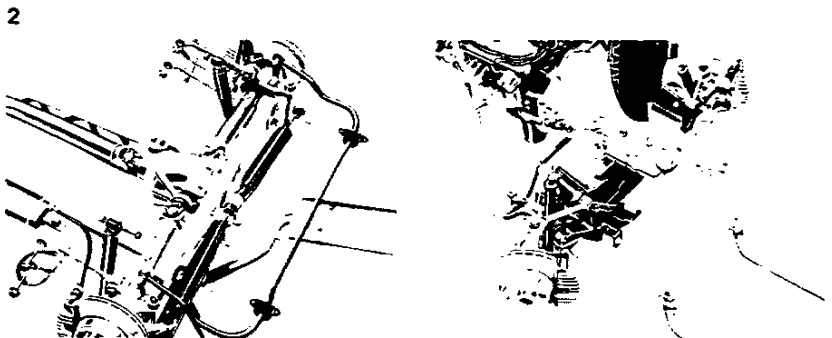
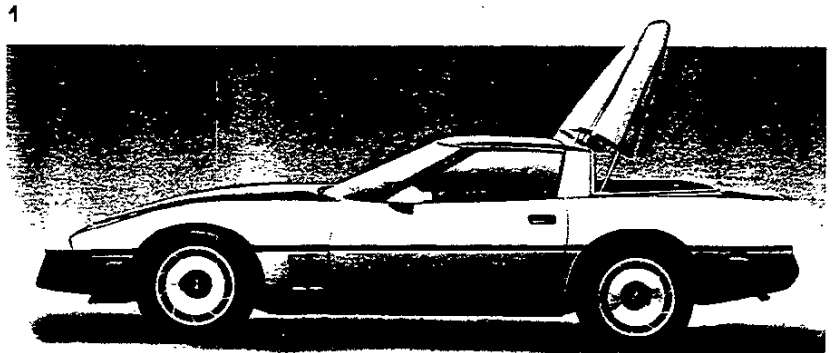
9. All-welded uniframe with high-strength steel to reduce mass

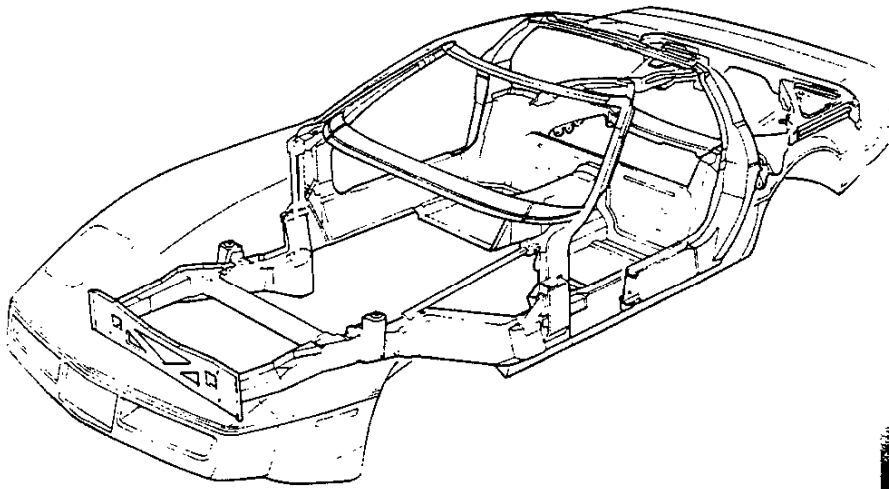
10. 5.7 Liter Tuned-Port Injection (TPI) V8 engine

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

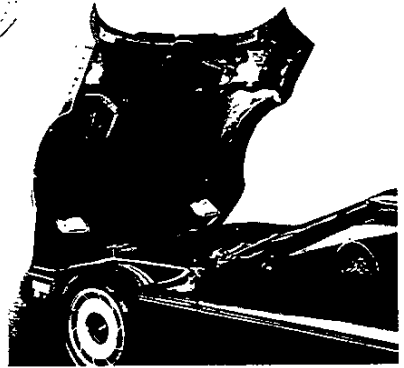
12. Front and rear full-width honeycomb absorbers with soft facia

13. Electronic theft deterrent system

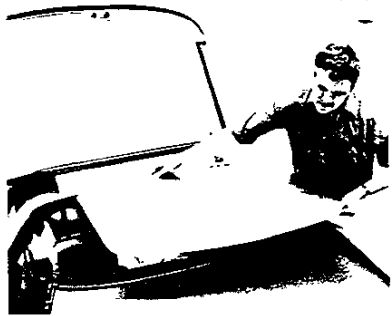




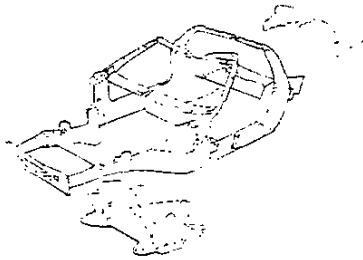
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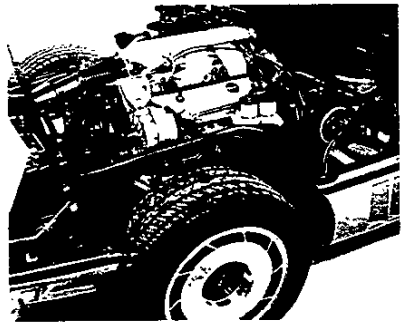
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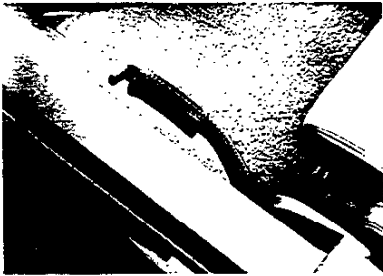
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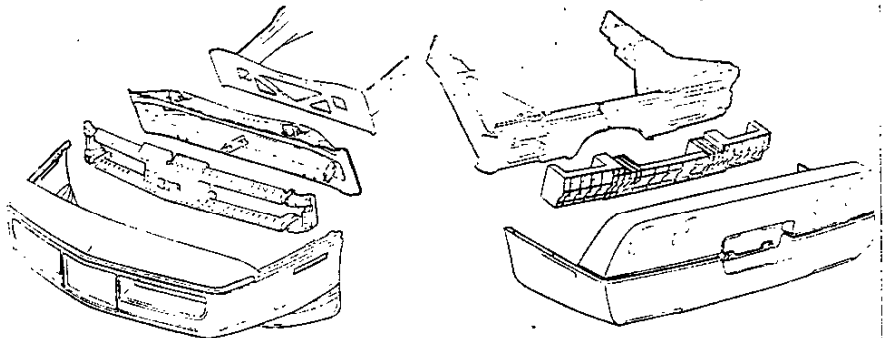
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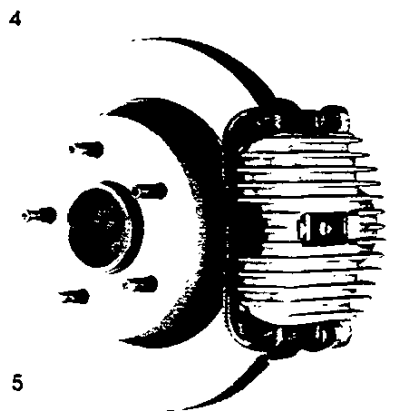
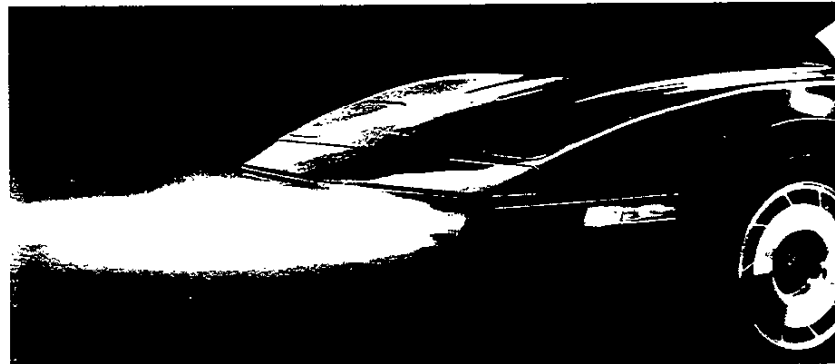
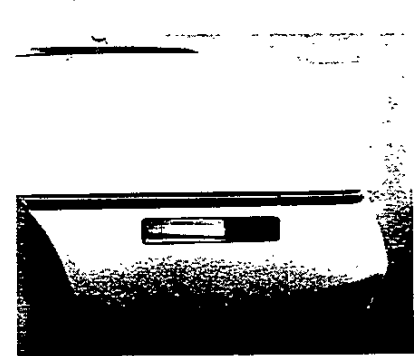
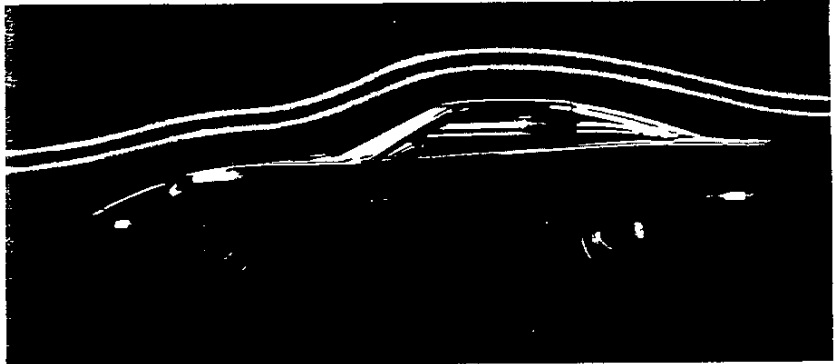


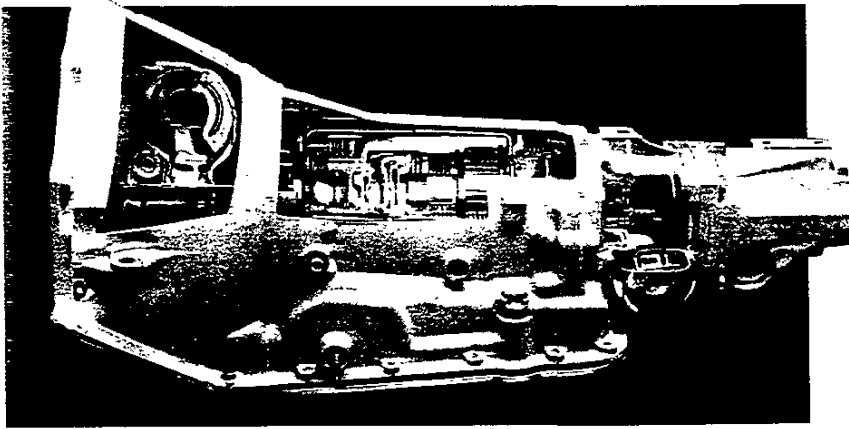
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13

1. Corvette's aerodynamic shape is the result of extensive wind tunnel testing
2. Dual electrically controlled rearview mirrors are standard
3. Rear cornering lamps
4. Halogen fog lamps are hinged to fold back on slight impact
5. 4-wheel power disc brake system
6. Automatic transmission with overdrive and converter-clutch operation in three top gears
7. Available four-speed manual with computer-controlled overdrive in three top gears
8. Standard 16" cast alloy aluminum wheels
9. Powerful electric motors rotate the headlights
10. 20-gallon fuel tank with cap concealed under door

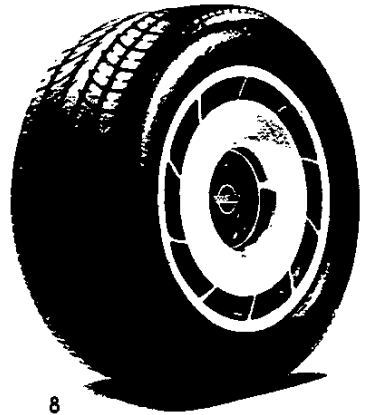




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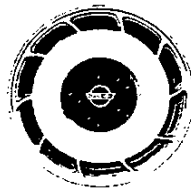
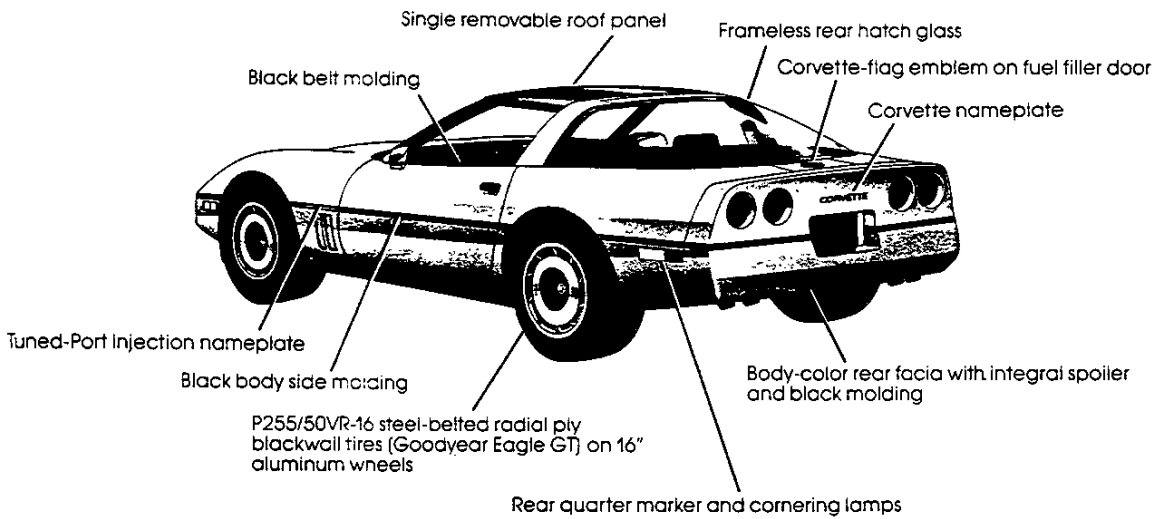
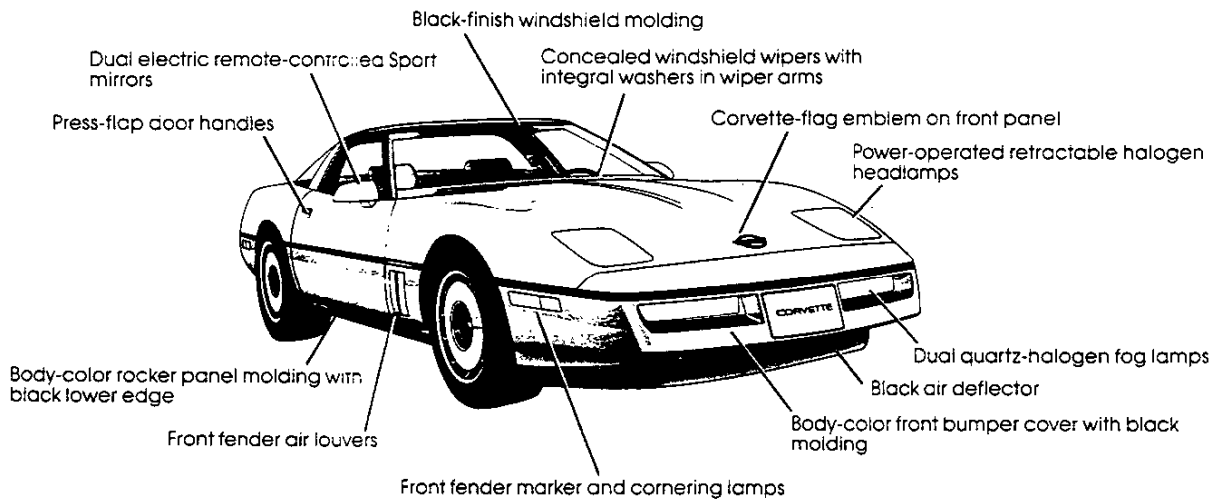


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CORVETTE HATCHBACK-COUCPE



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

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

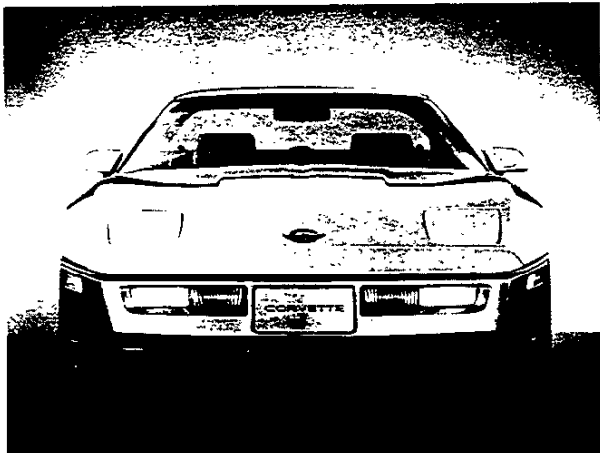
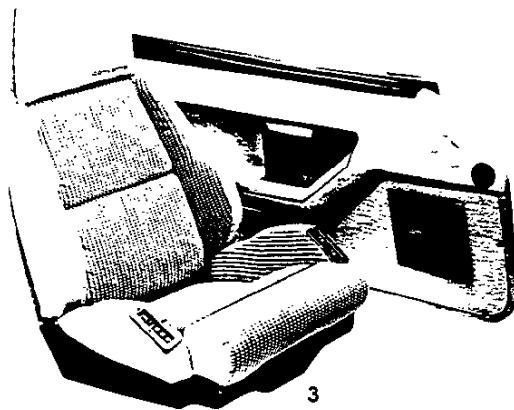
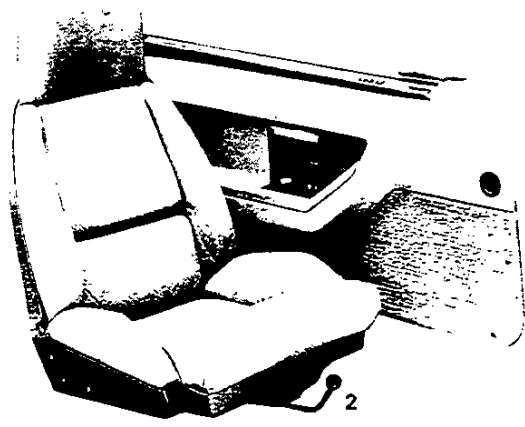
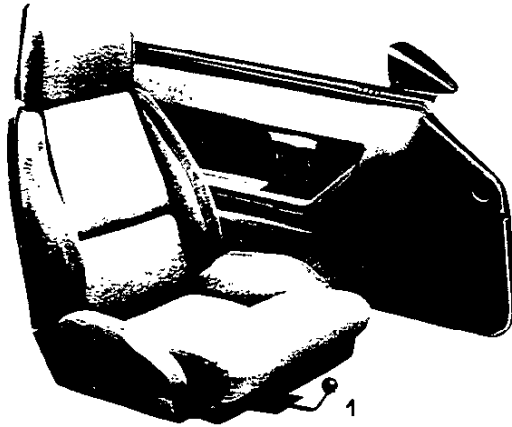
2. Optional leather reclining bucket

seats with integral head restraints and wool-pad comfort liner

3. Optional custom adjustable sport seats with integral head restraints and wool-pad comfort liner. Cloth shown, leather available

4. Corvette hatchback coupe front styling

5. Corvette hatchback coupe rear styling



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Corvette

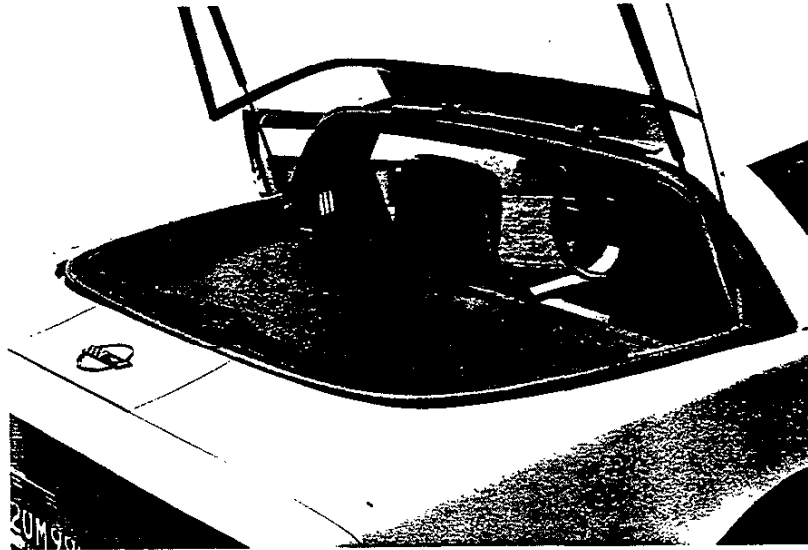
INTERIOR FEATURES



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

*May be deleted for credit.

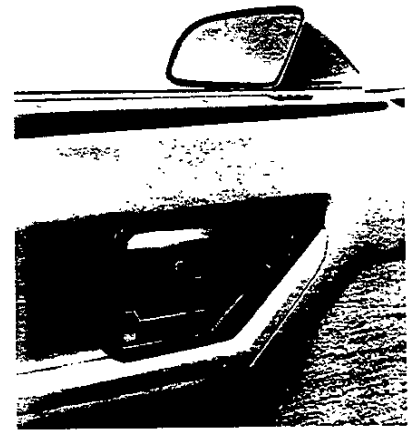
1. Roller-shade security screen/cargo cover for storing valuables out of sight



1

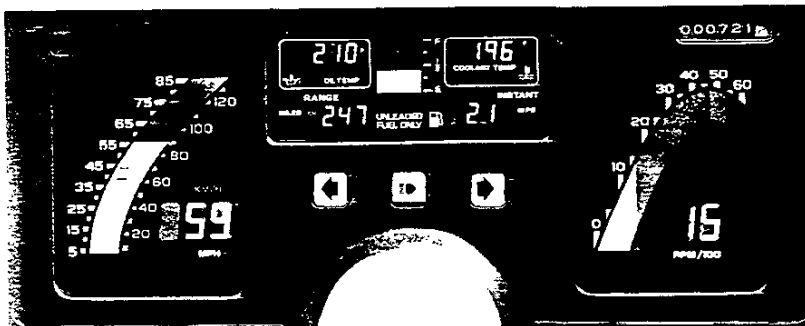
2. Door-mounted map light, side-window defoggers and wiper/washer control

4. Rear hatch release in console and at rear edge of doors

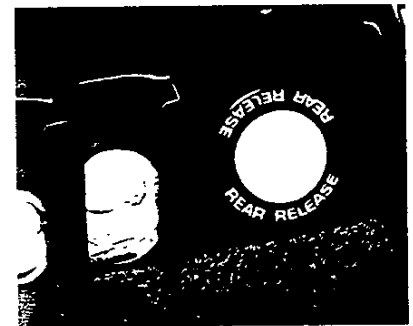


2

3. Full LCD readout instrumentation — English or metric



3



4

OPTIONAL FEATURES (Available at extra cost)

FACTORY-INSTALLED OPTIONAL EQUIPMENT

	RPO
Air Conditioning, Automatic	C68
Axle: Rear performance	G92
Cooler, Oil	KC4
Cooling, Heavy-Duty	VO8
Defogger System. Includes rear window defogger and heated outside rearview mirrors.....	Z6A
Door Lock System, Power	AU3
Paint, Custom Two-Tone. (See Color and Fabric Selector).....	D84
Radiator, Heavy-Duty	VO1
Radio Equipment: Includes power antenna. Electronically tuned AM/FM stereo with seek-scan, cassette tape and clock.....	UM6
Citizens Band Radio. NA with UU8	UN8
Delco-GM/Bose Music System, electronically tuned AM/FM stereo with seek-scan, cassette tape and clock.....	UU8
Radio Delete (for credit; deletes std. radio and speakers)	UL5
Roof Panel: Transparent lift-off	CC3
Seat, Power, Six-Way. Driver's side only	AG9
Shock Absorbers: Delco/Bilstein	FG3
Speed Control, Electronic. With resume speed	K34
Suspension Equipment: Performance Handling Package. Includes QZD tires, selected special lower control arm bushings, Delco/Bilstein shocks, heavy-duty front and rear springs and stabilizer bars, fast-ratio steering - 13:1; heavy-duty cooling and 16" x 9½" wheels, front and rear.....	Z51
Trim, Interior. (See Color and Fabric Selector)	

DEALER-INSTALLED ACCESSORIES

Cloth, Polishing
Compass
Guard, Splash
Lamp, Spotlight

See Dealer Order Guide for latest available information.

1. Defogger System: Includes rear window defogger and heated outside rear view mirrors

2. Pressure-sensitive power door lock system

3. Delco/Bilstein shock absorbers

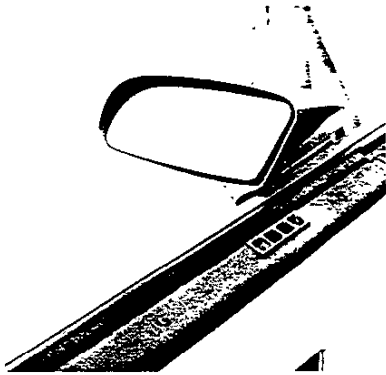
4. 6. Delco-GM/Bose Music System with door and quarter-panel speakers

5. Delco-GM/Bose Music System, electronically tuned AM/FM stereo radio

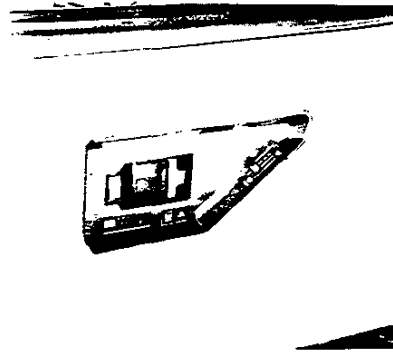
with seek and scan, cassette tape and clock

7. One-piece lift-off roof panel

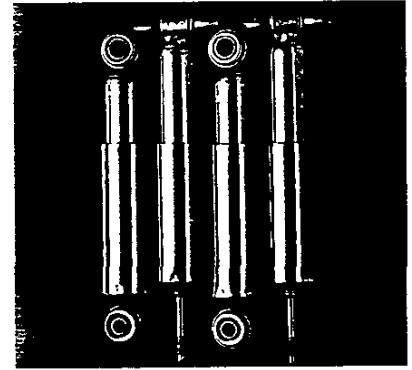
8. Electronic speed control with resume speed



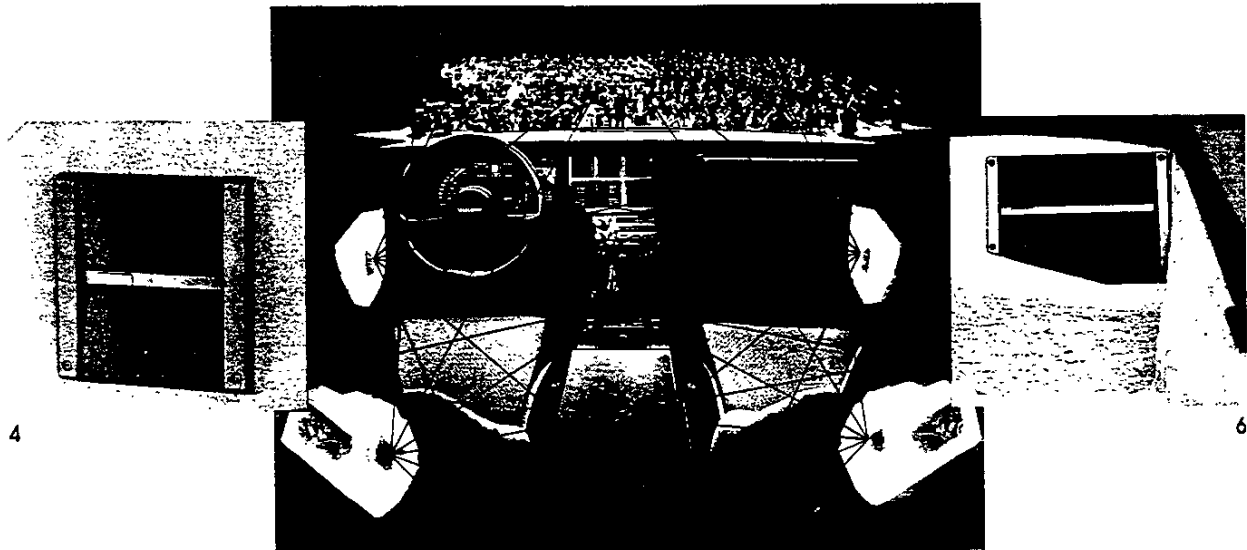
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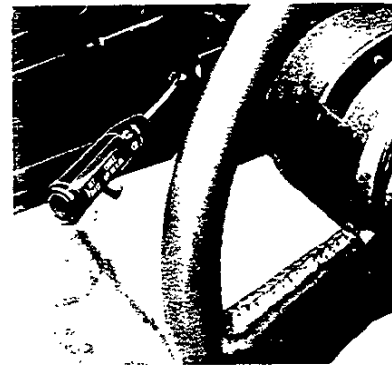
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8

BODY FEATURES

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

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

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

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

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

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

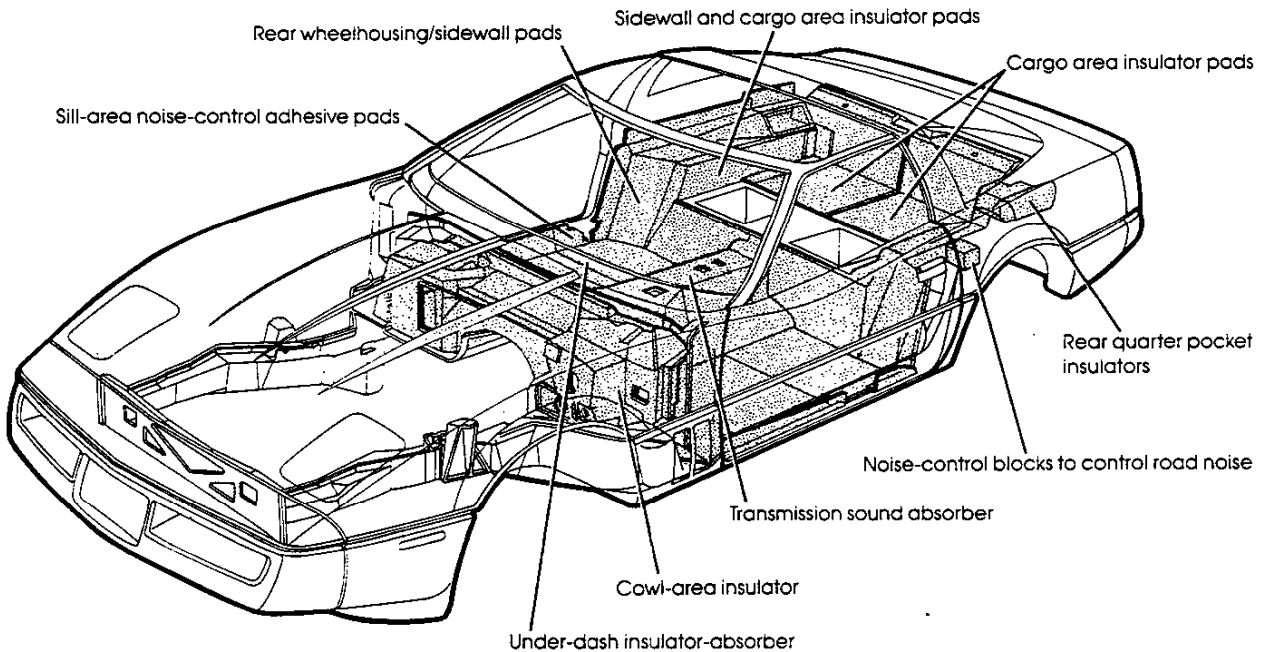
The chassis, drive train and suspension are married to the body in a specially built new hydraulic "towvever" interlocking system which helps assure that every contact point will match.

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

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

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

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



FOR A HUSHED, QUIET RIDE . . .

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

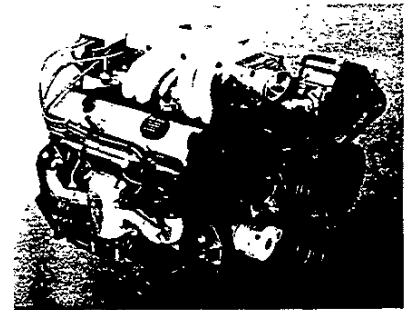
that goes like it should, sounds like it should, but doesn't create an assault on the occupants at the same time. Flush-mounted windshield and rear window, plus the absence of protrusions to interrupt the wind, help give the car an ability to slip through the wind with a minimum of noise. These, in addition to the inherent sound-deadening qualities of fiberglass bonded to the steel uniframe,

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

POWER TEAMS

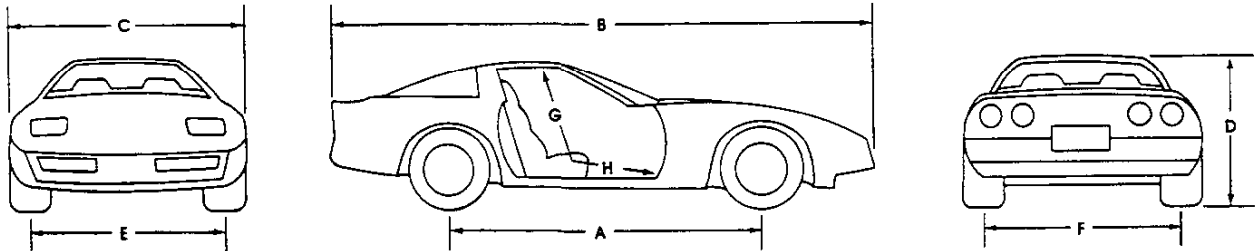
Engine	RPO No.	Power Rating*	Displacement (cubic inches)	Engine Availability	Transmission/Rear-Axle Ratios	
					Four-Speed Manual RPO MM4	Automatic w/Overdrive RPO MX0
ALL STATES						
5.7 Liter TPI** V8 (A)	L98	00	350	Std.	3.07	2.72†

*SAE net horsepower as installed. **Tuned-Port Fuel Injection. †Axle ratio 3.07 with G92 performance ratio and Z51 Performance Handling Package. Std. — Standard.
 (A) Produced by GM — Chevrolet Motor Division.



5.7 Liter TPI V8

DIMENSIONS, SPECIFICATIONS & SERVICE INTERVALS



EXTERIOR DIMENSIONS (in.)

A	Wheelbase	96.2
B	Length (overall)	176.5
C	Width (overall)	71.0
D	Height (loaded)	46.7
E	Tread — front	59.6
F	Tread — rear	60.4
	Minimum ground clearance	5.0

INTERIOR ROOMINESS (in.)

G	Head room — front	36.4
H	Leg room — front	42.6
	Shoulder room — front	54.0
	Hip room — front	49.3

LUGGAGE CARGO COMPARTMENT

	Cargo Volume (cu. ft.)	17.9
	RATED FUEL TANK CAPACITY (gallons)	20.0

CURB WEIGHT (pounds)

	Automatic transmission model	3225
	Manual transmission model	3216

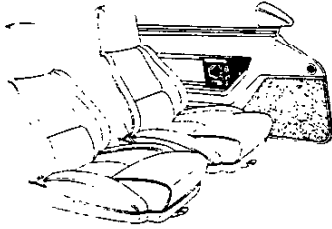
SERVICE INTERVALS†

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

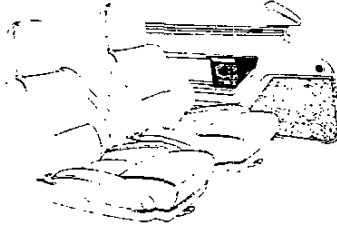
†Under ideal conditions. Consult Owner's Maintenance Schedule for conditions requiring more frequent service intervals.

See Dealer Order Guide for latest available information.

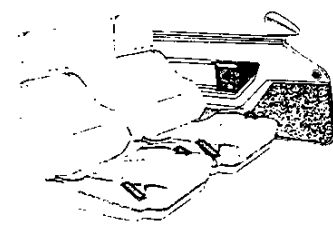
SEAT & DOOR TRIM



Standard Cloth Reclining Bucket Seats with Wool-Pad Comfort Liner. Six-way driver's-side power available.



Optional Full-Leather Reclining Bucket Seats with Wool-Pad Comfort Liner. Six-way driver's-side power available.



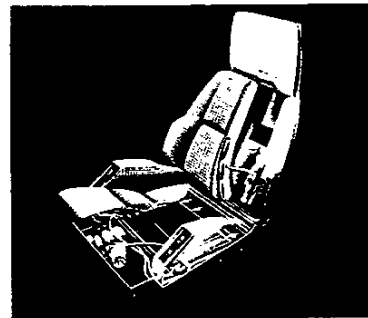
Optional Custom Adjustable Sport Seats with Wool-Pad Comfort Liner. Six-way driver's-side power available.

COLOR & TRIM COMBINATIONS

MODEL	SEAT TYPE	INTERIOR COLORS					
		BLUE	BRONZE	GRAPHITE	GRAY	DARK RED	SADDLE
Corvette	Standard Cloth Bucket	X	X	X	X		X
	Optional Leather Bucket		X	X	X	X	X
	Optional Custom Cloth Adjustable Sport	X	X	X	X		X
EXTERIOR COLORS		CODE	INT. EXT. COMB.	INT. EXT. COMB.	INT. EXT. COMB.	INT. EXT. COMB.	INT. EXT. COMB.
Corvette Silver Metallic		13			X	X	X
Corvette Medium Gray Metallic		18			X	X	X
Corvette Light Blue Metallic		20	X		X		
Corvette Medium Blue Metallic		23	X		X		
Corvette White		40	X	X	X	X	X
Black		41		X	X	X	X
Corvette Gold Metallic		53		X			X
Corvette Light Bronze Metallic		63		X			
Corvette Dark Bronze Metallic		66		X			
Corvette Bright Red		81			X	X	X
CUSTOM TWO-TONE COLORS (RPO D84)							
Light Blue Metallic/ Medium Blue Metallic		20/23	X				
Light Bronze Metallic/ Dark Bronze Metallic		63/66		X			
Silver Metallic/ Medium Gray Metallic		13/18			X	X	X

OPTIONAL CUSTOM ADJUSTABLE SPORT SEATS

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

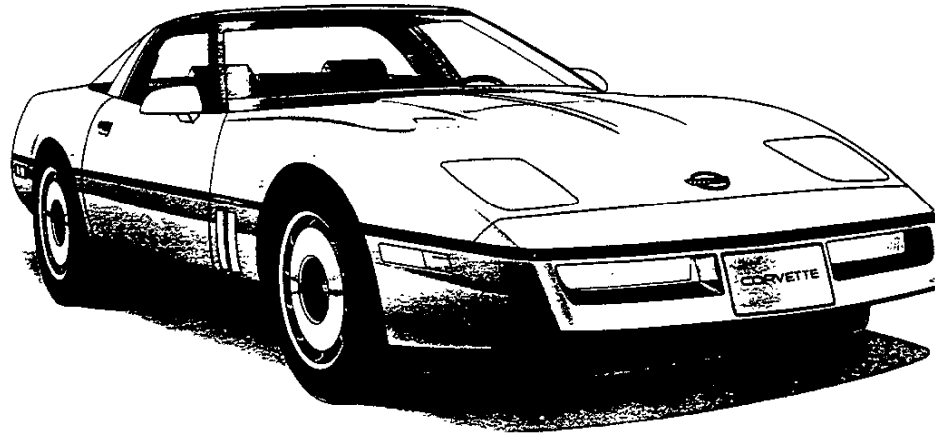


See Dealer Order Guide for latest available information.

1985 CORVETTE

ORDERING INFORMATION

CORVETTE
Sport Coupe Model Number 1YY07



NEW FEATURES

- New Tuned-Port Fuel Injection (TPI) for standard 5.7 Liter V8 engine contributes to increased performance and improved fuel economy.
 - New heavier duty 8½" ring gear differential with 4-speed manual transmission.
 - Refined brake system for increased braking capacity includes new master cylinder, new lining material and new higher capacity power booster.
 - New suspension refinements for improved ride and handling.
 - New concealed adhesive wheel weights for improved appearance and wheel balance.
 - GM Delco/Bilstein gas pressure shock absorbers included with Performance Handling Package (RPO Z51)*; available with standard suspension. **INTRO**
 - New optional Heavy-Duty Cooling Package (RPO V08) with special radiator, boost fan, 18-psi radiator cap, and oil cooler, included with Performance Handling Package (RPO Z51)* **INTRO**
 - Revised instrument panel graphics for improved clarity.
 - New driver's windshield visor map strap.
 - New improved solar screening for optional Transparent Lift-Off Roof Panel (RPO CC3).
 - New optional Electronic Control Air Conditioning (RPO C68)* for automatic modulation of interior cooling and heating.
- *Late Availability. **JAN maybe MAR.**

STANDARD FEATURES

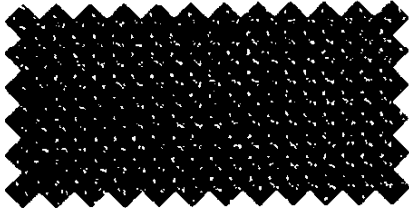
- Uniframe-design body structure with corrosion-resistant coating.
- Clamshell-opening front-end assembly for easy engine access.
- Full-glass rear hatch with three remote releases and roller-shade cargo cover.
- One-piece removable fiberglass roof panel.
- Independent front and rear suspension with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

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

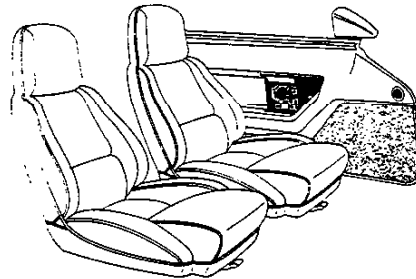
Refer to Dealer Order Guide for option availability and application.

INTERIORS

STANDARD CLOTH

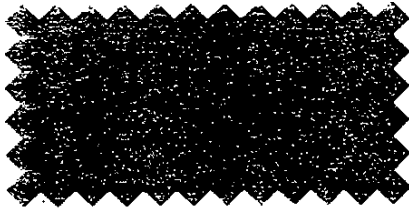


Standard cloth interior available in: Graphite (shown), Gray, Blue, Saddle or Bronze.



Standard reclining bucket seats with integral head restraints and wool-pad comfort liner. Cloth standard; leather optional.

OPTIONAL LEATHER



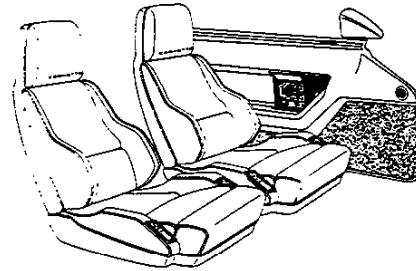
Optional leather interior available in: Graphite, Gray, Saddle (shown), Bronze or Dark Red.

NO BLUE LEATHER - STD.

OPTIONAL CUSTOM CLOTH SPORT SEATS



Optional Custom Cloth sport seats available in: Graphite, Gray, Blue (shown), Saddle or Bronze.



Optional Custom adjustable sport seats with integral head restraints and wool-pad comfort liner available in: cloth or leather.

OPTIONAL CUSTOM LEATHER SPORT SEATS*

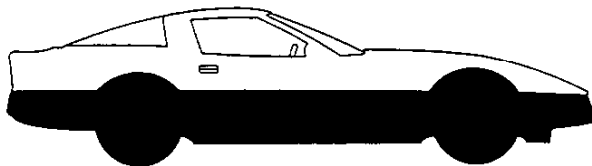


Optional Custom leather sport seats available in: Graphite, Gray, Saddle, Bronze or Dark Red (shown)

*Late Availability *DEC OR JAN*

BLUE LEATHER - INTRO

CUSTOM TWO-TONE (RPO D84)



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

All illustrations and specifications in this brochure are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time, without notice, in colors, materials, specifications and models, and also to discontinue models. Chevrolet Motor Division, General Motors Corporation, Warren, Michigan 48090.



Refer to Dealer Order Guide for option availability and application.

Litho in U.S.A.

4530/484

ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description	Option Number	Description
AG9	SEAT, POWER: Six-Way	UM6	RADIO EQUIPMENT: Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Clock
AU3	DOOR LOCK SYSTEM, POWER	UU8	RADIO EQUIPMENT: Delco-GM/Bose Music System-Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Clock
B3W	PRELIMINARY PRICE INFORMATION	V08	COOLING, HEAVY-DUTY
CCS	ROOF PANEL: Transparent Lift-Off	Z51	PERFORMANCE HANDLING PACKAGE
D60	NON-RECOMMENDED COLOR COMBINATION	Z6A	DEFOGGER SYSTEM: Rear Window and Outside Rearview Mirrors
D84	PAINT, CUSTOM TWO-TONE	18M	ACCENT COLOR: Med Gray Metallic
FG3	SHOCK ABSORBERS: Delco/Bilstein	23M	ACCENT COLOR: Med Blue Metallic
G92	AXLE, REAR: Performance Ratio	66M	ACCENT COLOR: Dk Bronze Metallic
K34	SPEED CONTROL, ELECTRONIC: With Resume Speed	24S	ROOF PANEL BLUE TINT
L98	ENGINE: 5.7 Liter T.P.I. V8	264S	ROOF PANEL BRONZE TINT
MM4	TRANSMISSION: 4-Speed Manual with Overdrive		\$595 ⁰⁰ -LIST
MX0	TRANSMISSION: Automatic with Overdrive		
NA5	EMISSION SYSTEM: Standard Emission Equipment		
NN5	EMISSION SYSTEM: California Emission Requirements		
UL5	RADIO EQUIPMENT: Radio Delete		
G95	AXLE REAR - ECONOMY RATIO		

CORVETTE

✓ COLOR AND TRIM SELECTION

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

Interior Trim Color		Blue	Bronze	Graphite	Gray	Dk Red	Saddle
MODEL	SEAT TYPE						
1YY07	Leather Bucket	ADD2	AEE2	ABB2	AQQ2	ARR2	AUU2
	Leather Adjustable Sport Bucket	ADD8	AEE8	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket	HDD2	HEE2	HBB2	HQQ2		HUU2
	Cloth Adjustable Sport Bucket	HDD8	HEE8	HBB8	HQQ8		HUU8

WITH D84 CUSTOM TWO-TONE PAINT (Accent Color Must be Specified) (D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code		Accent Color and Ordering Code #	Blue	Bronze	Graphite	Gray	Dk Red	Saddle
	L	U							
Blue, Light (Met)	20	20	Med Blue (Met) 23M	R					
Bronze, Light (Met)	63	63	Dk Bronze (Met) 66M		R				
Silver, Corvette (Met)	13	13	Med Gray (Met) 18M			R	R	A	

Must be Ordered

WITHOUT D84 CUSTOM TWO-TONE PAINT

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

Black	41	41			A	R	R	R	R
Blue, Corvette Light (Mt)	20	20		R		A			
Blue, Corvette Med (Met)	23	23		R		A			
Bronze, Corvette Dark (Mt)	66	66			R				
Bronze, Corvette Lt (Mt)	63	63			R				
Gold, Corvette (Met)	53	53			A				R
Gray, Corvette Med (Met)	18	18				R	R	A	
Red, Corvette Bright	81	81				R	R	R	R
Silver, Corvette (Met)	13	13				R	R	A	
White, Corvette	40	40		R	A	R	R	R	R

L = Lower U = Upper

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

ENGINE OPTION CONDITION		AXLE RATIO		
		2.73	*3.07	
WITH NA5 STANDARD EMISSIONS				
L98	MX0	695	692	STD
	MM4	-	Std	
WITH NN5 CALIFORNIA EMISSIONS				
L98	MX0	695	692	STD
	MM4	-	Std	

* Standard with Z51 Performance Handling Package

CORVETTE

REFER WEEKLY STOPS/LATEST UPDATE

MODEL
1YY07 Corvette 2-Door Hatchback Coupe

ENGINE: MUST ORDER (See Power Teams)

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

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

EMISSION SYSTEMS: MUST ORDER ONE (See Above)

NA5 STANDARD EMISSION EQUIPMENT

NN5 CALIFORNIA EMISSION REQUIREMENTS

QUICK-SPEC

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

		C	V	B	A	F	V	A
Defogger System	Z6A					x		
Door Lock System, Power	AU3					x		
Radio, AM/FM Stereo w/Cassette Tape (Delco/Bose Sound System)	UU8					x		
Seat, Power	AG9					x		
Speed Control with Resume Speed	K34					x		
Transmission, Automatic w/Overdrive	MX0					x		
Cooling, Heavy-Duty	V08					x		
Roof Panel	CC3 CC3							x

Handwritten initials/signature

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
(2)	G92 AXLE, REAR, Performance Ratio (Reqs. MX0 Trans)
(1)	V08 COOLING, HEAVY-DUTY: (Incls Engine Oil Cooler)
(1)	Z6A DEFOGGER SYSTEM: Rear Window and Outside Rearview Mirrors
(1)	AU3 DOOR LOCK SYSTEM, POWER
(1)	D84 PAINT, CUSTOM TWO-TONE
(1)	Z51 PERFORMANCE HANDLING PACKAGE: (Incls Special Suspension, FG3 Shock Absorbers and V08 Cooling) (N/A G92 Axle)
(1)	B3W PRELIMINARY PRICE INFORMATION
(1)	UM6 RADIO EQUIPMENT: Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Clock
(1)	UU8 Delco-GM/Bose Music System-Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Cassette Tape and Clock
(1)	UL5 Radio Delete
(2)	CC3 ROOF PANEL: Transparent Lift-Off
(1)	AG9 SEAT, POWER: Six-Way (Driver's side only)
(1)	FG3 SHOCK ABSORBERS: Delco/Bilstein
(1)	K34 SPEED CONTROL, ELECTRONIC: With Resume Speed
(1)	MM4 TRANSMISSIONS: (See Power Teams Chart) 4-Speed Manual with Overdrive
(1)	MX0 Automatic Transmission with Overdrive

Handwritten notes:
245 ROOF - BLUE TINT
695 ROOF - BRONZE TINT
G95 AXLE Economy RATIO
(Reqs MX0 TRANS)
N/A Z51 Perf. PKG.

NOTES



PHOTOS BY JOE RUSZ

1985 CHEVROLET CORVETTE

Smoother, faster and better than ever



WHEN THE NEW Corvette made its debut a year and a half ago, we stood back in awe—at least momentarily. While it al-

ways represented an American standard, this car set a new standard for itself. Sure, it was still the front-engine, V-8 powered, rear-wheel-drive, body-on-frame car it had always been. But a careful application of high technology converted this simplistic layout into a state-of-the-art sports car.

Gee whizzes aside, however, the car needed some improvement. Part of our initial awe rubbed off after we had lived with last year's model for awhile (see "Corvette vs 300ZX Turbo," R&T, January 1984). In its quest to develop one of the best handling cars in the world, Chevrolet overshot its mark. Though the Corvette posted an incredible 0.880g on the skidpad, it sacrificed a good deal of ride comfort to get there, particularly with the Z51 suspension. Happily, for 1985 this shortcoming has been corrected. Editor John Dinkel already outlined the changes that were made to the suspension and engine (see "Miscellaneous Rambblings," June 1984) but to recap briefly, Chevrolet retuned the spring rates and shock valving to get a softer

AT A GLANCE	Chevrolet Corvette	DeTomaso Pantera GT5	Porsche 911 Carrera
Price, base/as tested	\$24,403/\$27,493	\$55,000/\$58,500	\$31,950/\$35,770
Curb weight, lb	3280	est 3250	2800
Engine/drive	V-8/rwd	V-8/rwd	flat-6/rwd
Transmission	4+3-sp M	5-sp M	5-sp M
0-60 mph, sec	6.6	5.5	6.2
Standing ¼ mi, sec @ mph	15.0 @ 91.0	14.0 @ 99.5	14.6 @ 96.0
Stopping distance from 60 mph, ft	136	143	153
Interior noise at 50 mph, dBA	75	80	72
Lateral acceleration, g	0.879	na	0.831
Stabom speed, mph	61.8	62.4	61.2
Fuel economy, mpg	est 19.0	est 10.0	20.5
Corvette: An improved ride and more power elevate its world-class status. Pantera GT5: Flares, a wing and cubic inches set this one apart (6-84). 911 Carrera: Added power makes this old friend timeless and timely (2-84).			



Tuned Port Injection adds 25 bhp to the 1985 Corvette. Fuel economy also benefits from the individual injectors. Overdrive switch mounts on top of the shift lever.



ride. Then, to retain the car's high handling limits, it added 9.5-in.-wide wheels in front, 1 in. more than before. This is not to say the car rides softly now, but it's a much improved compromise between comfort and road feel. Better still, the softer ride gives the impression that this is a higher quality car. Last year's bone-shaker amplified every squeak and rattle; in fact, it probably caused them.

Our test data suggest that the car's handling limits are still high. For instance, we essentially matched the 0.880g of last year's car around the skidpad. And though its slalom speed of 61.8 mph is nearly 1.5 mph slower, our Assistant Engineering Editor is convinced that this is actually due to a less grippy test surface, rather than a less maneuverable car. In any case, the softer setting is so much more friendly that most drivers will still feel comfortable exploring their own—not to say the car's—capabilities at the end of a long drive or a hard race. From a handling standpoint the Corvette is so responsive that you can practically will it to go where you want.

It's responsive in another way too, one traceable to a new tweak that Chevrolet calls Tuned Port Injection. To keep the Corvette safely away from the gas-guzzler tax, Chevrolet replaced its twin throttle-body Cross Fire Injection with the real variety. Because the TPI system has an injector located at each intake port, the fuel is metered very precisely and the 1985 Corvette should realize an 11-percent increase in fuel economy, though the EPA label may not reflect this because of a more conservative labeling process that starts with the 1985 model year. But the sweet part of this injection system is that you have your cake and eat it too. It increases fuel economy *and* engine



power. The intake manifold is designed so that incoming air is collected in a plenum that sits on top of the engine. Tuned runners curve out from the plenum, then run under it to the intake ports. Essentially, each runner stacks a column of air just above each port, and this is rammed into the combustion chamber when the intake valve opens. The Bosch injection system also uses a hot-wire airflow sensor that has better throttle response than last year's vane meter. The net effect is that power is increased by 25 bhp to 230 at 4000 rpm and torque is up 40 lb-ft to 330 at 3200 rpm.

No need to speculate, the car is definitely quicker. And what numbers! With the automatic transmission car, we ran off 0 to 60 mph runs in 6.2 seconds and the quarter mile in 14.6 sec, both of which represent a good second off our previous times. Like last year, we found the manual transmission car to be a tad slower than the automatic, mainly because the shifter is a bit balky. Speed-shift it, as did one of Chevrolet's engineers, and your manual Vette will outrun the automatic, but who's to say for how long. Chevrolet has increased the size of the differential ring gear to 8.5 in. (up from 7.9 in.), so presumably it can stand up to this kind of abuse, but we don't recommend it and, in particular, we don't speed-shift as a rule.

A plus for the overdrive automatic is that the added engine power seems to have taken a lot of the guesswork out of the transmission's search for its desired gear. And we like being able to drop it manually from D to 2 to 1 without pushing the button on the gear selector. And, somewhat balky linkage aside, the manual transmission has a lot going for it. Wind the car up to 5000 rpm in 2nd and let off the gas. Zounds, the sound is magnificent.

Inside, the instrumentation has been improved. There are cleaner graphics and less color on the speedometer and tachometer, and revised graphics for the center gauges make them more readable. But we're still waiting for the day when someone comes up with a good digital display and in the meantime we'd prefer some nice round analog gauges for the tach and speedo, thank you.

But overall, we're not griping. The 1985 Corvette is a powerful package, honed to increase your driving pleasure. And considering what you'd have to pay for this kind of performance elsewhere, it's a relative bargain. How much of a bargain? Well, the base price is \$24,403 with a fully loaded version coming in around \$27,500. Considering the improvements, it's a better deal in 1985 than it was in 1984.

PRICE

List price, FOB Detroit	\$24,403
Price as tested	\$27,493
Price as tested includes std equip. (air conditioning, elect. window lifts, elect. adj. mirrors, Delco-GM/Bose AM/FM stereo/cassette (\$695), removable roof panel (\$595), Z51 sus including Bilstein shocks, front & rear 16 x 9½ alloy wheels, heavy-duty radiator (\$470), leather seats (\$400), elect. adj. driver's seat (\$215), cruise control (\$185), central locking (\$170), rear-window & mirror heat (\$160))	

ENGINE

Type	.....ohv V-8
Bore x stroke, in./mm	.....4.00 x 3.48 / 101.6 x 88.4
Displacement, cu in./cc	.....350 / 5733
Compression ratio	.....9.5:1
Bhp @ rpm, SAE net/kW	.....230/172 @ 4000
Torque @ rpm, lb-ft/Nm	.....330/447 @ 3200
Fuel injection	.....Bosch multi-point
Fuel requirement	.....unleaded, 91-oct

GENERAL

Curb weight, lb/kg	.....3280 / 1489
Test weight	.....3450 / 1566
Weight dist (with driver), fr/r, %	.....51/49
Wheelbase, in./mm	.....96.2 / 2444
Track, front/rear	.....59.6/60.4 / 1513/1534
Length	.....176.5 / 4483
Width	.....71.0 / 1804
Height	.....46.7 / 1186
Trunk space, cu ft/liters	.....11.6 / 328
Fuel capacity, U.S. gal./liters	.....20.0 / 76

DRIVETRAIN

Transmission	.....4-sp manual & 3-sp overdrive
Gear ratios: 4th (1.00/0.67)	.....3.07/2.06:1
3rd (1.33/0.89)	.....4.08/2.73:1
2nd (1.91/1.28)	.....5.86/3.93:1
1st (2.88)	.....8.84:1
Final drive ratio	.....3.07:1

*Gear ratios are direct/overdrive.

CHASSIS & BODY

Layout	.....front engine/rear drive
Body/frame	.....fiberglass body on skeletal steel chassis
Brake system	.....11.5-in. (292-mm) vented discs front & rear; vacuum assisted
Wheels	.....cast alloy; 16 x 9½
Tires	.....Goodyear Eagle VR50, P255/50VR-16
Steering type	.....rack & pinion, power assisted
Turns, lock-to-lock	.....2.0
Suspension, front/rear	.....unequal-length A-arms, transverse fiberglass leaf spring, tube shocks, anti-roll bar/upper & lower trailing arms, lateral arms, tie rods, halfshafts, transverse fiberglass leaf spring, tube shocks, anti-roll bar

CALCULATED DATA

Lb/bhp (test weight)	.....15.1
Mph/1000 rpm (4th gear)	.....36.4
Engine revs/mi (60 mph)	.....1650
R&T steering index	.....0.80
Brake swept area, sq in./ton	.....192

ROAD TEST RESULTS

ACCELERATION

Time to distance, sec:	
0-100 ft	.....2.8
0-500 ft	.....8.2
0-1320 ft (¼ mi)	.....15.0
Speed at end of ¼ mi, mph	.....91.0
Time to speed, sec:	
0-30 mph	.....1.9
0-50 mph	.....4.8
0-60 mph	.....6.6
0-70 mph	.....9.0
0-80 mph	.....11.5
0-100 mph	.....19.1

SPEEDS IN GEARS

4th gear (4100 rpm)	.....est 149
3rd (6000)98
2nd (6000)69
1st (6000)46

FUEL ECONOMY

Normal driving, mpgest 19.0
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HANDLING

Lateral accel, 100-ft radius, g0.879
Speed thru 700-ft slalom, mph61.8

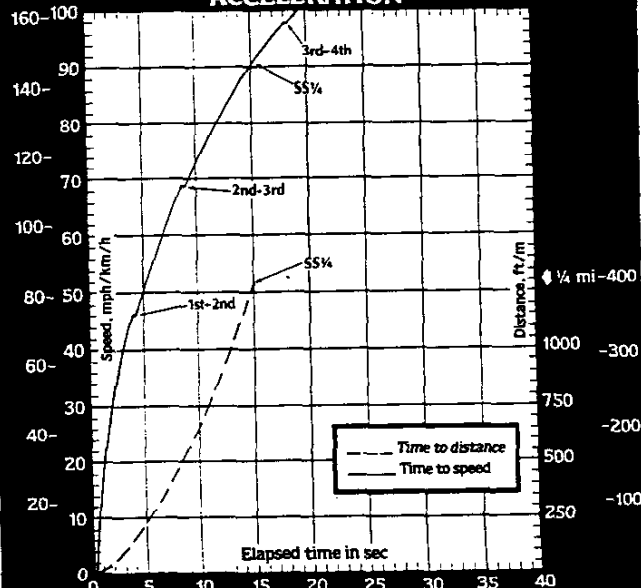
BRAKES

Minimum stopping distances, ft:	
From 60 mph	.....136
From 80 mph	.....245
Control in panic stop	.....excellent
Pedal effort for 0.5g stop, lb	.....17
Fade: percent increase in pedal effort to maintain 0.5g deceleration in 6 stops from 60 mph	.....nil
Overall brake rating	.....excellent

INTERIOR NOISE

Constant 30 mph, dBA	.....71
50 mph	.....75
70 mph	.....77

ACCELERATION



MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer Chevrolet Motor Division General Motors Corporation	Car Line Corvette	
Mailing Address Chevrolet Engineering Center 30003 Van Dyke Warren, MI 48090-9060	Issued October, 1984	Revised March, 1985

Pages revised: 2, 9, 13, 23.

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

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

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

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. 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 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Car Models

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

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 9-84 Revised (e) 3-85

METRIC (U.S. Customary)

Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE					E x h a u s t S/D	TRANSMISSION TRANSAXLE	DRIVE RATIOS (:1)				
	Displ. Liters (in ³)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM				AXLE RATIO		Overall Base Veh. Drive	Opt. Veh. Drive	Overall Veh. Drive
				kw (bhp)	Torque N - m (lb. ft.)							
Base-All States	V8 5.7 Liter (350 CID) L98	TPI @	9.0:1	230	330	D	*Man. 4-Spd. (2.88 low) - Opt. ‡	3.07%	1.84	--	--	
				@	@		*Man. 4-Spd. (2.88 low) - Opt. ‡	3.07%	2.05	--	--	
				4000	3200		Auto '700-R4' - Avail.	2.73%	1.91	3.07%#&	2.15	
@ - Tuned Port Fuel Injection * - Automatic Overdrive 2nd, 3rd, 4th gears # - Base with RPO Z51, Performance Handling Package \$ - 200 mm (7-7/8") ring gear % - 216 mm (8-1/2") ring gear ‡ - Available only with RPO UL5 (Radio Delete) & - Optional Ratio												

MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

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

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	90° "V" Front Longitudinal	
No. of cylinders	8	
Bore	101.6 (4.00)	
Stroke	88.4 (3.48)	
Bore spacing (c / l to c / l)	111.8 (4.40)	
Cylinder block material	Cast alloy iron	
Cylinder block deck height	229.2 (9.025)	
Deck clearance (minimum) (above or below block)	.025 below	
Cylinder head material	Cast alloy iron	
Cylinder head volume (cm ³)		
Head gasket thickness (compressed)	.021	
Minimum combustion chamber total volume (cm ³)	75.47 (+)	
Cyl. no. system (front to rear)*	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-4-3-6-5-7-2	
Recommended fuel (leaded, unleaded, diesel)	Unleaded	
Fuel antiknock index $\frac{(R + M)}{2}$	87	
Total dressed engine mass (wt) dry**	265.7 (585.7)	

Engine - Pistons

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

Impacted forged aluminum, .579 (20.4)

Engine - Camshaft

Location

In cylinder block "V" above crankshaft

Material & mass kg (weight, lbs.)

Cast alloy iron, 3.856 (8.50)

Drive type

Chain / belt

Chain

Width / pitch

15.87 (.625)/12.70 (.500)

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

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

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

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (●)

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

5.7 Liter V8 (350 CID)
 Tuned-Port Fuel Injection (TPI)
 RPO 198

Engine - Valve System

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

Same as 1982 YZ
see -82 AMR

Engine - Connecting Rods

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

Engine - Crankshaft

Material & mass [kg. (weight, lbs.)]	Nodular cast iron - 23.520 (51.85)
End thrust taken by bearing (no.)	5
Number of main bearings	5

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345-450 (50-65) @ 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)

Engine - Diesel Information

Diesel engine manufacturer	
Glow plug, current drain at 0°F	Not
Injector nozzle	Type
	Opening pressure [kPa (psi)]
Pre-chamber design	--
Fuel injection pump	Manufacturer
	Type
Fuel injection pump drive (belt, chain, gear)	--
Supplementary vacuum source (type)	--
Fuel heater (yes/no)	--
Water separator, description (std., opt.)	--
Turbo manufacturer	--
Oil cooler-type (oil to engine coolant; oil to ambient air)	--
Oil filter	--

Engine - Intake System

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (e)

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

5.7 Liter V8 (350 CID)
Tuned-Port Fuel Injection (TPI)
RPO 198

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle, coolant recovery
Radiator cap relief valve pressure [kPa (psi)]		103.4 (15.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	90.6 (195°)
Water pump	Type (centrifugal, other)	Centrifugal with cast aluminum housing
	GPM 1000 pump rpm	13
	Number of pumps	One
	Drive (V-belt, other)	Single belt poly 'V' accessory drive (serpentine)*
Bearing type		Sealed double row ball
By-pass recirculation [type (inter., ext.)]		Internal
Cooling system capacity	With heater-L[qt.]	--
	With air cond.-L[qt.]	Manual 13.86 (14.65), Automatic 13.73 (14.51)
	Opt. equipment [specify-L[qt.]]	--
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Radiator core	Describe (type, material, no. of rows)	Cross-flow; alum. header, tubes and fins, plastic tanks
	Std., A/C, HD	A/C, Standard
	Width	599.5 (23.6)
	Height	382.4 (15.0)
	Thickness	23.5 (0.9)
	Fins per inch	2.5
Fan	Std., elec., opt.	Electric, Standard
	Number of blades & type (flex, solid, material)	5-blades, high efficiency curved blades and ring shroud, plastic
	Diameter & projected width	423.0 (16.7)
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	Temp. switch
	Drive [type (direct, remote)]	Electric
	RPM at idle (elec.)	2100
	Motor rating (wattage) (elec.)	150 wattage
	Motor switch (type & location) (elec.)	Temp. switch
Switch point (temp., pressure) (elec.)	106°C	
Fan shroud (material)		Plastic-ring shroud

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (e)

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

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

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

Induction type: carburetor, fuel injection system, etc.		Electronic fuel injection (dual throttle body injectors)		
Carburetor	Migr.	--		
	Choke (type)	--		
	Idle spd., rpm (spec. neutral or drive and propane if used)	Manual	--	
		Automatic	--	
Idle A/F mix.				
Fuel injection	Point of injection (no.)	Fuel injectors at inlet ports		
	Constant, pulse, flow	Pulse		
	Control (electronic, mech.)	Electronic - on board computer		
	System pressure [kPa (psi)]			
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water, thermostat		
Air cleaner type	Standard	Replaceable paper element, dual snorkel		
	Optional	--		
Fuel pump	Type (elec. or mech.)	Electric - dual turbine		
	Location (eng., tank)	In fuel tank		
	Pressure range [kPa (psi)]			

Fuel Tank

Capacity (refill L (gallons))		75.7 (20.0)	
Location (describe)		Under rear deck	
Attachment		Rests on rear frame extension, held with straps	
Material		Super Terne coated steel with high density polyethylene liner	
Filler pipe	Location & material	Center of rear deck	
	Connection to tank	Bolted with gasket on top of tank	
Fuel line (material)		Super Terne coated steel	
Fuel hose (material)		Viton	
Return line (material)		Super Terne coated steel	
Vapor line (material)		Super Terne coated steel	
Extended range tank	Opt., n.a.	Not available	
	Capacity [L (gallons)]	--	
	Location & material	--	
	Attachment	--	
Auxiliary tank	Opt., n.a.	Not available	
	Capacity [L (gallons)]	--	
	Location & material	--	
	Attachment	--	
	Selector switch or valve	--	
Separate fill		--	

MVMA Specifications Form Passenger Car

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

5.7 Liter V8 (350 CID)
Tuned-Port Fuel Injection (TPI)
RPO 198

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air injection w/Computer Command Control
	Air Injection	Pump or pulse	Vane
		Driven by	Serpentine - single belt poly 'V' drive
		Air distribution (head, manifold, etc.)	Exhaust manifold and converter (CCC controlled)
		Point of entry	Exhaust manifold ports
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled flow
		Exhaust source	Inlet manifold exhaust cross-over passage
		Point of exhaust injection (spacer, carburetor, manifold, other)	Center of inlet manifold plenum
	Catalytic Converter	Type	Platinum-Palladium, and Rhodium, dual-bed
		Number of	One
Location(s)		Underbody tunnel below console	
Volume [L (in ³)]		2.7822 (169.8)	
Substrate type		Monolith	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction system
	Energy source (manifold vacuum, carburetor, other)		Manifold vacuum
	Discharges (to intake manifold, other)		Inlet manifold
	Air inlet (breather cap, other)		Air cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Dual
Muffler no. & type (reverse flow, straight thru, separate resonator)		Two, reverse flow (Stainless steel body, aluminum coated steel inlet and outlets)
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	Otr pipe 63.5x.96(2.50x.038), inr pipe 57.0x.96(2.25x.038)
	Main o.d., wall thickness	76.2 x 1.83 (3.0 x .072)
	Material	Stainless steel tubing (*)
Intermediate pipe	o.d. & wall thickness	57.15 x 1.83 (2.25 x .072)
	Material	Aluminum coated steel
Tail pipe	o.d. & wall thickness	Dual outlets - 57.15 x 1.83 (2.25 x .072)
	Material	Aluminum coated steel

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

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Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (e)

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

5.7 Liter V8 (350 CID)
Tuned-Port Fuel Injection (TPI)
RPO 198

Transmissions/Transaxle

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

Manual Transmission/Transaxle

Number of forward speeds	4 in direct drive, 3 in overdrive*		
Transmission ratios	In first	2.88	
	In second	1.91 direct; 1.28 overdrive	
	In third	1.33 direct; 0.89 overdrive	
	In fourth	1.00 direct; 0.67 overdrive	
	In fifth	--	
	In overdrive	0.67	
	In reverse	2.78	
Synchronous meshing (specify gears)	All Forward		
Shift lever location	Floor		
Lubricant	Capacity [L (pt.)]	1.0L (2.1), (1.63L (3.45) for overdrive unit)	
	Type recommended	GL-5 (Dextron II for overdrive unit)	
	SAE viscosity number	Summer	SAE-80W, SAE-80W-90
		Winter	SAE-80W, SAE-80W-90
		Extreme cold	SAE-80W

Clutch (Manual Transmission)

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

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

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Car Line CORVETTE
 Model Year 1985 Issued 9-84 Revised (•) 3-85

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

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

Automatic Transmission/Transaxle

Trade name		4-Speed Automatic (overdrive 4th gear)
Type and special features (describe)		Torque converter with planetary gears
Selector	Location	Floor mounted in console
	Ltr./No. designation	PRN D D21
Gear ratios	R	2.29
	D	1.00@
	2	1.63@
	1	3.06@
Overdrive		0.70@
Max. upshift speed - drive range [km/h (mph)]		1-2=41 MPH, 2-3=75 MPH, 3-4=110 MPH (at wide open throttle)
Max. kickdown speed - drive range [km/h (mph)]		4-3=100 MPH, 3-2=68 MPH, 2-1=33 MPH
Min. overdrive speed [km/h (mph)]		41 MPH
Torque converter	Number of elements	3
	Max. ratio at stall	1.85
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity [refill L (pt.)]	3.8 (8.0)
	Type Recommended	Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, external, liquid

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

Axle or Front Wheel Drive Unit

Type (front, rear)		Rear	
Description		Overhung pinion gear	
Limited slip differential (type)		Standard - disc clutches	
Drive pinion offset		38.1 (1.50)	
Drive pinion (type)		Hypoid	
No. of differential pinions		Two	
Pinion / differential adjustment (shim, other)		None	
Pinion / differential bearing adjustment (shim, other)		Shim	
Driving wheel bearing (type)		Tapered roller	
Lubricant	Capacity [L (pt.)]	1.8 (3.75)	
	Type recommended	GL-5 Gear Lubricant	
	SAE viscosity number	Summer	80W or 80W-90
		Winter	80W or 80W-90
Extreme cold		80W or 80W-90	

Axle or Transaxle Ratio and Tool Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.07:1	2.73:1	3.07:1
No. of teeth	Pinion	14		
	Ring gear or gear	43		
Ring gear o.d.		200 (7-7/8)	200 (8-1/2)	216 (8-1/2)
Transaxle	Transfer gear ratio	--		
	Final drive ratio	--		

MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (*)

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

5.7 Liter V8 (350 CID)
 Tuned-Port Fuel Injection (TPI)
 RPO 198

Propeller Shaft - Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight Tube, internal-external damper	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	Not available	
	Manual 4-speed trans. with auto overdr	Aluminum 76.2 x 859.3 x 3.05 (3.00 x 33.83 x 0.12)	
	Manual 5-speed trans.	Not available	
	Overdrive	- See manual 4-speed	
	Automatic transmission **	Steel 63.5 x 859.3 x 1.65 (2.50 x 33.83 x .065)	Alum. 76.2 x 859.3 x 3.05 (3.00 x 33.83 x 0.12)	Opt(RPO-Z51)
Intermediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting, prepack)	--	
Slip yoke	Type	Splined Yoke	
	Number of teeth	Automatic and manual transmissions - 26	
	Spine o.d.	Automatic and manual transmissions 29.7 (1.17)	
Universal joints	Make and mtg. no.	Front	#1311
		Rear	#1318
	Number used	Two	
	Type (ball and trunnion, cross)	_Cross	
	Rear attach (u-bolt, clamp, etc.)	Strap and Bolt	
	Bearing	Type (plain, anti-friction)	Anti-Friction
Lubrication (fitting, prepack)		Prepack	
Drive taken through (torque tube, arms or springs)		Torque control arms	
Torque taken through (torque tube, arms or springs)		Torque control arms	

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

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (#) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

2-Door
Hatchback Coupe
1YY07

Suspension - General

Car leveling	Std./opt./n.a.	Not available
	Type (air, hyd., etc.)	--
	Manual/auto. controlled	--
Provision for brake dip control		Frt susp geometry-upper arms pos to produce 46% anti-dive
Provision for accel. squat control		Rr susp geometry-control arms pos to produce 51% anti-squat
Provisions for car jacking		Place jack head between locator triangles on rocker flange nearest to wheel being changed.
Shock absorber (front & rear)	Type	Base-Direct double acting hydraulic w/pliacell expansion bags Optional gas press
	Make	Base-Delco; Opt.-Bilstein
	Piston diameter	Front: Base-25.0 (1.0), Z51&FG3-36 (1.42)(*)
	Rod diameter	Base-12.4 (.49), Z51&FG3-11.0 (.43) (* Rr: Base-32 (1.26), Z51&FG3-46 (1.81))

Suspension - Front

Type and description		Independent SLA. Forged aluminum upper and lower control arm and steering knuckle, transverse monoleaf spring and steel stabilizer, spindle offset.
Drive and torque taken through		--
Travel	Full jounce	92.0 mm (3.6 in.)
	Full rebound	95.0 mm (3.7 in.)
Spring	Type (coil, leaf, other) & material	Monoleaf, filament wound glass-epoxy composite
	Insulators (type & material)	Pivot; Teflon-Filled nylon and alum., enclosed in rubber.
	Size (coil design height & i.d., bar length x dia.)	1160.0 x 100.0 x 13.9 base, 15.1-Z51 (45.7 x 3.9 x 0.55 base), (0.59-Z51)
	Spring rate [N/mm (lb./in.)]	Base 58.6 (335.0), Z51-75.8 (433.0)
	Rate at wheel [N/mm (lb./in.)]	Base 22.4 (128.0), Z51-24.6 (140.5)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel; 24 mm (0.9 in.) dia.-base, 30 mm (1.2 in.) Z51

Suspension - Rear

Type and description		Independent 5-link design with toe and camber adjustment, forged aluminum control arms, knuckles and struts; transverse monoleaf spring steel tie rods & stabilizer. Tubular U-joint driveshafts, alum. except with Automatic.
Drive and torque taken through		Upper and lower longitudinal control arms
Travel	Full jounce	89.0 mm (3.5 in)
	Full rebound	78.0 mm (3.1 in)
Spring	Type (coil, leaf, other) & material	Monoleaf, filament wound glass-epoxy composite
	Size (length x width, coil design height & i.d., bar length & dia.)	Base-1236 x 57.0 x 22.2, Z51-25.0 (Base 48.7 x 2.24 x 0.87), (Z51-0.98)
	Spring rate [N/mm (lb./in.)]	Base 40.8 (233.0), Z51-57.8 (330.0)
	Rate at wheel [N/mm (lb./in.)]	Base 22.8 (130.2), Z51-30.4 (173.6)
	Insulators (type & material)	Dual rubber polyisoprene
	if leaf	No. of leaves Shackle (comp. or tens.)	Monoleaf Tension
Stabilizer	Type (link, linkless, frameless)	link
	Material & bar diameter	HR steel; Base 20.0 mm (0.79 in.), Z-51 24.0 mm (0.94 in.);
Track bar (type)		None painted to protect against corrosion

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (e) 9-84

Body Type And/Or
Engine Displacement

2-DOOR
HATCHBACK COUPE
1YY07

Brakes - Service

Description		Aluminum caliper with nodular iron reaction bracket; pad reaction thru bracket.		
Brake type (std., opt., n.a.)	Front (disc or drum)	Disc with sliding-head caliper, low drag		
	Rear (disc or drum)	Disc with sliding-head caliper, low drag		
Self-adjusting (std., opt., n.a.)		Standard		
Special valving	Type (proportion, delay, metering, other)	Proportioning, Integral with Master Cylinder		
Power brake (std., opt., n.a.)		Standard		
Booster type (remote, integral, vac., hyd., etc.)		Integral; lightweight with tru-bolt reaction system		
Vacuum source (inline, pump, etc.)		Inline (Intake Manifold)		
Vacuum reservoir (volume in. ³)		--		
Vacuum pump-type (elec. gear driven, belt driven, if other so state)		Not Applicable		
Anti-skid device type (std., opt., n.a.) (F/R)		Not Available		
Effective area [cm ² (in. ²)]*		Front 174.0 (27.0), Rear 117.9 (18.3)		
Gross lining area [cm ² (in. ²)]**(F/R)		Front 174.0 (27.0), Rear 117.9 (18.3)		
Swept area [cm ² (in. ²)]**(F/R)		Front 622 (96.4), Rear 565 (87.5)		
Rotor	Outerworking diameter	F/R	292 (11.5)/292 (11.5)	
	Inner working diameter	F/R	214 (8.42)/222 (8.75)	
	Thickness	F/R	20 (0.8)/20 (0.8)	
	Material & type (vented/solid)	F/R	Vented; front-gray cast iron, rear-damped iron	
Drum	Diameter & width	F/R	Not Applicable	
	Type and material	F/R	Not Applicable	
Wheel cylinder bore		54 (2.1)/40.5 (1.6)		
Master cylinder	Bore/stroke	F/R	22.2 (0.875)/13.8 (0.5), 22.2 (0.875)/19.0 (0.7)	
Pedal arc ratio		3.5:1		
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]		Front 86.18 (1250), Rear 5516 (800)		
Lining clearance		(F/R)	Self Adjusting	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integral Molded
		Rivet size		--
		Manufacturer		Japan Brake Industries
		Lining code		CP26
		Material		Semi-Metallic
		***	Primary or out-board	132 x 38.6 x 8.6
		Size	Secondary or in-board	112 x 39.6 x 8.6
		Shoe thickness (no lining)		5.6 mm (0.22) Backing Plate
	Rear wheel	Bonded or riveted (rivets/seg.)		Integral Molded
		Manufacturer		Japan Brake Industries
		Lining code		CP26
		Material		Semi-metallic
		***	Primary or out-board	108 x 35 x 8.6
		Size	Secondary or in-board	92 x 36 x 8.6
Shoe thickness (no lining)		5.0 mm (0.2) Backing Plate		

*Excludes rivet holes, grooves, chamfers, etc.

**Includes rivet holes, grooves, chamfers, etc.

***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of Inner Working Dia. multiplied by Pi/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line CORVETTE
 Model Year 1985 Issued 7-83 Revised (●) 3-85

Body Type And/Or
Engine Displacement

2-Door
Hatchback Coupe
1YY07

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P255/50VR-16 B/W
	Type (bias, radial, etc.)		High speed steel belted radial Eagle VR50 (Goodyear), unidirectional
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)
		Rear [kPa (psi)]	220 (32)
Rev./mile—at 70 km/h (45 mph)		472 (760)	
Wheels	Type & material		Left-Right alum. alloy road wheels with specific vent design
	Rim (size & flange type)		16 x 8.5 Front, 16 x 8.5 Rear
	Wheel offset		32 mm (1.26)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	120.7 (4.75)
Number & size		5 Hex nuts, one anti-theft; M12x1.5-6H	
Spare	Tire and wheel (same, if other describe)		P155/80D-16, 16 x 4 steel wheel
	Storage position & location (describe)		Horizontal under fuel tank

Tires And Wheels (Optional)

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

Brakes - Parking

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

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (e)

Body Type And/Or
 Engine Displacement

2-DOOR
 HATCHBACK COUPE
 1YY07

Steering

Manual (std., opt., n.a.)		Not Available	
Power (std., opt., n.a.)		Standard	
Adjustable steering wheel (tilt, swing, other)	Type and description	Black, leather-wrapped two-spoke steering wheel; Tilt and Telescopic	
	(Std., opt., n.a.)	Standard	
Wheel diameter	Manual	Not Available	
	Power	368 (14.5)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.6 (41.4)
		Curb to curb (l. & r.)	12.2 (40.1)
	Inside rear	Wall to wall (l. & r.)	7.6 (25.0)
		Curb to curb (l. & r.)	7.6 (25.0)
Scrub Radius			
Manual	Gear	Type	Not Available
		Make	--
		Ratios	
	Gear	Overall	--
		No. wheel turns (stop to stop)	--
Power	Type (coaxial, linkage, etc.)		Alloy Rack and Pinion with integral damping
	Make		Saginaw Steering Gear; lt. wt. transverse compact pump
	Gear	Type	End Take-Off
		Ratios	--
		Overall	15.5:1 - Base, 13.0:1 - 751 Handling Package
	Pump (drive)		Accessory Belt Driven
No. wheel turns (stop to stop)		2.36 Turns-Base, 1.96 Turns-751 Handling Package	
Linkage	Type		End Take-Off
	Location (front or rear of wheels, other)		Front of Wheel
	Drag links (trans. or longit.)		--
	Tie rods (one or two)		Two
Steering axis	Inclination at camber (deg.)		8.744°
	Bearings (type)	Upper	Ball Joint(M/M W/anti-friction washer); anti-corrosive
		Lower	Ball Joint(M/M W/anti-friction washer); anti-corrosive
		Thrust	Lower Ball Joint
Steering spindle & joint type			Upper and Lower Ball Joints; anti-corrosive
Wheel spindle	Diameter	Inner bearing	51 mm (2.0 in)
		Outer bearing	51 mm (2.0 in)
	Thread (size)		Not Available
	Bearing (type)		Unit hub-Bearing Assembly with double row balls; anti-corrosive

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (#) _____

Body Type And/Or
 Engine Displacement

2-Door
 Hatchback Coupe
 1YQ7

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	3.8°, +/-0.8°
		Camber (deg.)	0.8°, +/-0.5°
		Toe-in [outside track-mm (in.)]	0.15, +/-0.15°
	Service reset*	Caster	--
		Camber	--
		Toe-in	--
	Periodic M.V. inspection	Caster	--
		Camber	--
		Toe-in	--
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0°, +/-0.5°
		Toe-in [outside track-mm (in.)]	0.15°, +/-0.06°
	Service reset*	Camber	--
		Toe-in	--
	Periodic M.V. inspection	Camber	--
		Toe-in	--

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

Electrical - Instruments and Equipment

*

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

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

*English or Metric

MVMA Specifications Form Passenger Car

Car Line - CORVETTE
 Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

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

Electrical - Supply System

Battery	Make	Delco-Remy
	Model, std., (opt.)	75-500, Standard
	Voltage	12 Volts
	Amps at 0°F cold crank	550 cold cranking amps. (CCA)
	Minutes-reserve capacity	90 minute reserve capacity
	Amp/hrs. - 20 hr. rate	54 Amp-Hrs.
	Location	Engine compartment directly behind left wheel opening
Generator or alternator	Type and rating	97 Amps
	Ratio (alt. crank/rev.)	3.24:1
	Optional (type & rating)	None
Regulator	Type	Micro circuit unit; integral with alternator

Electrical - Starting System

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

Electrical - Ignition System

Type	Conventional (std., opt., n.a.)	--	
	Electronic (std., opt., n.a.)	--	
	Other (specify)	High Energy Ignition (HEI)	
Coil	Make	Delco-Remy	
	Model	Integral with distributor	
	Current	Engine stopped - A	--
		Engine idling - A	--
Spark plug	Make	AC	
	Model	R43CTS	
	Thread (mm)	M14 x 1.25	
	Tightening torque [N-m (lb., ft.)]	9-20 (7-15)	
	Gap	1.143 (.045)	
Distributor	Make	Delco Remy	
	Model		

Electrical - Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.
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MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (e)

METRIC (U.S. Customary)

Body Type

2-DOOR
HATCHBACK COUPE
1YY07

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	High solids acrylic enamel with final clear coat	
Hood	Hinge location (front, rear)	Front
	Type (counterbalance, prop)	Hinged clamshell hood, w/upper wheelhouse attached (*)
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	--
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Type (counterbalance, other)	Dual Gas Struts
	Internal release control (elec., mech., n.a.)	Electric Release, Std (Each door and console glove box)
Bumper front	Bar material & mass, kg (weight, lbs.)	Fascia 4.6 (10.1)
	Reinforcement material & mass, kg (lbs.)	Honeycomb and impact bar - 9.55 (21.1)
Bumper rear	Bar material & mass, kg (weight, lbs.)	Fascia 7.02 (15.5)
	Reinforcement material & mass, kg. (lbs.)	Alum. rear bumper extension and honeycomb - 18.2 (40.1)
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket Seat, full cloth trim w/wool pad comfort liner @
	Rear	None
	3rd seat	None
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket Seat, full cloth trim w/wool pad comfort liner @
	Rear	None
	3rd seat	None
Vehicle identification no. location	Top LH side of I.P. pad - visible from outside vehicle	
Frame	(*) gives easy access to engine and chassis components; folding prop rod hold open; SMC reinforced composite	

Type and description (separate frame, unitized frame, partially-unitized frame)

All-welded steel body-frame construction, 100% galvanized. Bolt-on front crossmember to allow bottom loaded engine.

Glass @ - SMC reinforced composite frame for seat cushion and backrest.

Backlight slope angle (deg.)	H121	72.5°
Windshield slope angle (deg.)	H122	64.0°
Tumble-Home (deg.)	W122	36.9°
Windshield glass exposed surface area [cm ² (in. ²)]	S1	8710.0 (1350.4)
Side glass exposed surface area [cm ² (in. ²)] - total 2-sides	S2	4007.2 (621.3)
Backlight glass exposed surface area [cm ² (in. ²)]	S3	6205.0 (962.0)
Total glass exposed surface area [cm ² (in. ²)]	S4	18922.2 (2933.7)
Windshield glass (type)		Curved - Laminated Plate - Tinted
Side glass (type)		Curved - Tempered Plate - Tinted
Backlight glass (type)		Curved - Tempered Plate - Tinted

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (•) _____

Body Type

2-DOOR
 HATCHBACK COUPE
 1YY07

Restraint System

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

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (•) _____

Body Type

2-Door
 Hatchback Coupe
 1YY07

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

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (•) 9-84

METRIC (U.S. Customary) Car and Body Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	2-DOOR HATCHBACK COUPE 1YY07
------------------	------------------------------------

Width

Tread (front)	W101	1513 (59.6)
Tread (rear)	W102	1534 (60.4)
Vehicle width	W103	1804 (71.0)
Body width at Sg RP (front)	W117	1752 (69.0)
Vehicle width (front doors open)	W120	3706 (145.9)
Vehicle width (rear doors open)	W121	--

Length

Wheelbase	L101	2444 (96.2)
Vehicle length	L103	4483 (176.5)
Overhang (front)	L104	1030 (40.5)
Overhang (rear)	L105	1009 (39.7)
Upper structure length	L123	2309 (90.9)
Rear wheel C/L "X" coordinate	L127	1886 (74.2)
Cowl point "X" coordinate	L125	174 (6.8)

Height **

Passenger distribution (frt./rear)	PD1.2.3		**
Trunk cargo load			**
Vehicle height	H101	1179 (46.4)	
Cowl point to ground	H114	845 (33.4)	
Deck point to ground	H138		
Rocker panel-front to ground	H112	175 (6.9)	
Bottom of door closed-front to grd.	H133	255 (10.1)	
Rocker panel-rear to ground	H111	175 (6.9)	
Bottom of door closed-rear to grd.	H135	--	

Ground Clearance **

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

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.

** All Vehicle Height And Ground Clearances Are Made Using EPA Loaded Vehicle Weight, Loading Condition

EPA LOADED VEHICLE WEIGHT is The Base Vehicle Weight Plus All Coolant And Fluids Necessary For Operation Plus 100% Of The Fuel Capacity, Plus The Weight Of All Options And Accessories Which Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line, Plus Two Occupants.

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (•) 9-84

See Key Sheets for definitions

Body Type

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

Front Compartment

Sg RP front, "X" coordinate	L31	1150 (45.3)
Effective head room	H61	926 (36.4)
Max. eff. leg room (accelerator)	L34	1083 (42.6)
Sg RP (front to heel)	H30	188 (7.4)
Design H-point front travel	L17	146 (5.7)
Shoulder room	W3	1373 (54.0)
Hip room	W5	1253 (49.3)
** Upper body opening to ground	H50	1092 (43.0)
Steering wheel angle	H18	18.4°
Back angle	L40	28.0°

Rear Compartment

Sg RP Point couple distance	L50	
Effective head room	H63	NOT
Min. effective leg room	L51	
Sg RP (second to heel)	H31	APPLICABLE
Knee clearance	L48	
Compartment room	L3	
Shoulder room	W4	
Hip room	W6	
** Upper body opening to ground	H51	
Back angle	L41	

Luggage Compartment

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

Interior Volumes (EPA Classification)

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

All linear dimensions are in millimeters (inches)

** EPA Loaded Vehicle Weight, Loading Conditions

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)
Car and Body Dimensions

See Key Sheets for definitions

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (•) _____

Body Type

SAE Ref. No.	2-DOOR HATCHBACK COUPE 1YY07
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Station Wagon - Third Seat

Shoulder room	W85	
Hip room	W86	NOT
Effective leg room	L86	APPLICABLE
Effective head room	H86	
Effective T-point head room	H89	
Seat facing direction	SD1	
Back angle	L88	

Station Wagon - Cargo Space

Cargo length (open front)	L200	
Cargo length (open second)	L201	NOT
Cargo length (closed front)	L202	APPLICABLE
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [m ³ (ft. ³)]	V2	
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume, index-rear of 2-seat	V10	

Hatchback - Cargo Space

Front seat back to load floor height	H197	454 (17.9)
Cargo length at front seat back height	L208	792 (31.2)
Cargo length at floor (front)	L209	838 (33.0)
Cargo volume index [m ³ (ft. ³)]	V3	508L (17.9)
Hidden cargo volume [m ³ (ft. ³)]	V4	--
Cargo volume index-rear of 2-seat	V11	--

Aerodynamics*

Wheel lip to ground, front		Not Available
Wheel lip to ground, rear		Not Available
Frontal area [m ² (ft. ²)]		Not Available
Drag coefficient (Cd)		Not Available

* Describe measurement method.

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (e) 3-85

Body Type

2-DOOR
 HATCHBACK COUPE
 1YY07

Vehicle Fiducial Marks

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

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks - September, 1973.
 All linear dimensions are in millimeters (inches).

** EPA Loaded Vehicle Weight, Loading Conditions

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

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (*) _____

Body Type	SAE Ref. No.	2-DOOR HATCHBACK COUPE 1YY07
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Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	660.1 (26.0)	
		Lowest	--	
	Tallamp (H128)	Highest**	760.6 (29.9)	
		Lowest	758.2 (29.8)	
	Sidemarker	Front	472.1 (18.6)	
		Rear	551.0 (21.7)	
Distance from C/L of car to center of bulb	Headlamp	Inside	--	
		Outside**	544.0 (21.4)	
	Tallamp	Inside	410.1 (16.1)	
		Outside**	625.1 (24.6)	
	Directional	Front	485.0 (19.1)	
		Rear	625.1 (24.6)	
	Headlamp shape			Rectangular

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

Model	Vehicle Mass (weight)							SHIPPING MASS, kg (weight, lb.)**
	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				
	Front	Rear	Total	Pass In Front		Pass In Rear		
Front				Rear	Front	Rear		
2-Door Hatchback								
Coupe	1YY07							
Base with 4-Speed Manual Transmission	743.7 (1640)	714.7 (1576)	1458.4 (3216)					1411.2 (3111)
Available with '700-R4' Automatic Transmission	744.5 (1641)	718.2 (1583)	1462.7 (3224)					1415.5 (3121)
Curb Weight - The catalytic weight of a vehicle with standard equipment, only as designed with the additional load of oils, lube, coolant and fuel filled to capacity.								
Shipping Weight - Same as base curb weight except 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 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Power Seat Control Six-Way, Driver Only (Auto) RPO AG9	1.6 (3.5)	-7.2 (-15.9)	-5.6 (-12.3)	Aluminum mounting brackets and transmission; light weight motors.
Custom Adjustable Sport Seats RPO AQ9	2.8 (6.2)	4.2 (9.3)	7.0 (15.4)	Power adjust for backrest lateral restraints, lumbar support and back angle, special cloth trim.
Power Door Lock System RPO AU3	.4 (0.9)	.4 (0.9)	.8 (1.8)	
Leather Seat Trim RPO B16	.6 (1.3)	1.0 (2.2)	1.6 (3.5)	A51 required (special contour bucket seat).
Removable Plastic Roof Panel RPO CC3	-.4 (-0.9)	-1.4 (-3.1)	-1.8 (-4.0)	Acrylic plastic. Lighter, blue tinted for glare and sun load control, coated for scratch resistance.
Automatic Speed Control w/Resume Speed RPO K34	1.0 (2.3)	.2 (0.4)	1.2 (2.6)	With manual or automatic transmissions.
4-Speed Manual Transmission RPO MM4	-2.0 (-4.4)	-2.4 (-5.3)	-4.4 (-9.7)	Automatic overdrive in 2nd, 3rd and 4th gears, on-board computer controlled. No cost option.
Radio Delete RPO UL5	-2.2 (-4.8)	-2.2 (-4.8)	-4.4 (-9.7)	
Radio AM/FM Stereo (ETR) with Cassette Player RPO UM6	1.2 (2.6)	.4 (0.9)	1.6 (3.5)	Includes power rear antenna plus two front and two rear speakers.
Universal CB Radio RPO UN8	.9 (2.0)	1.1 (2.4)	2.0 (4.4)	Includes tri-band power antenna.
Custom Two-Tone Paint RPO D84	.2 (.4)	.2 (.4)	.4 (.9)	

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

MVMA Specifications Form Passenger Car

Car Line CORVETTE
 Model Year 1985 Issued 7-84 Revised (•) _____

METRIC (U.S. Customary)

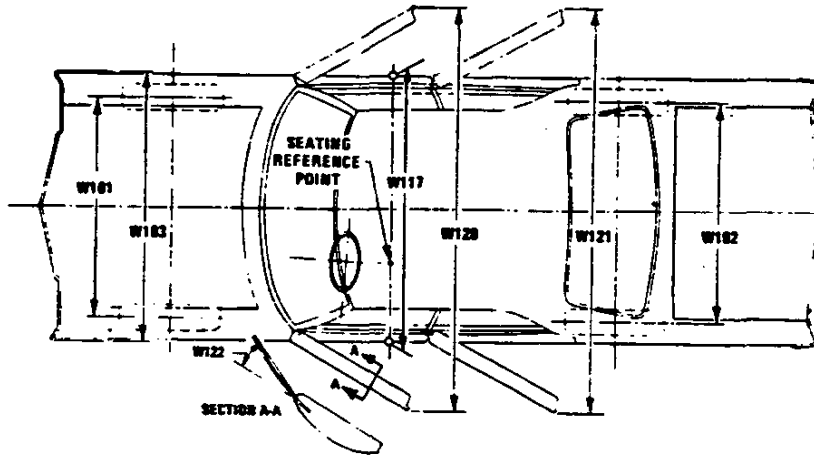
Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Delco/Bose Premium Audio System RPO U08	2.6 (5.7)	4.4 (9.7)	7.0 (15.4)	Includes specific AM/FM stereo radio with cassette player. Bose power amplified, direct reflecting speakers (one in each door and at each side of luggage area). Also features Dolby sound, dynamic noise reduction and automatic suppression system.
Heavy Duty Cooling RPO V08	3.2 (7.1)	-1.2 (-2.6)	2.0 (4.5)	Includes HD radiator, aux. boost fan, 18 psi radiator cap and oil cooler).
Electric Defogger System (Hatch and outside rear view mirrors) RPO Z6A	0 (0)	.6 (1.3)	.6 (1.3)	
Performance Handling Package RPO Z51	6.0 (13.2)	2.8 (6.2)	8.8 (19.4)	Includes left-right 16 x 9-1/2 wheels, fast steering, HD cooling and 3.07 axle ratio for auto
Delco/Bilstein shock absorbers RPO FG3	1.0 (2.2)	1.0 (2.2)	2.0 (4.4)	Gas pressure design (Bilstein)
Automatic Air Conditioning RPO C68	1.0 2.205	--	1.0 2.205	Automatic temperature control

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

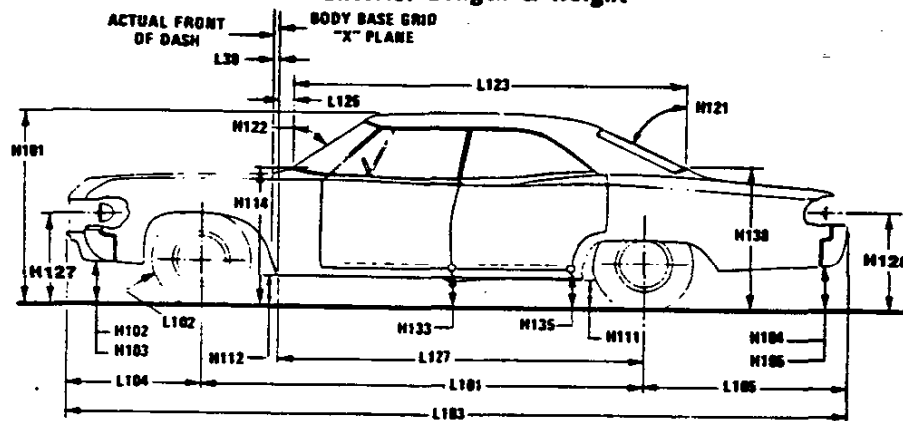
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

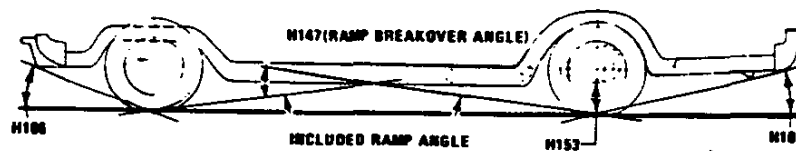
Exterior Width



Exterior Length & Height



Exterior Ground Clearance



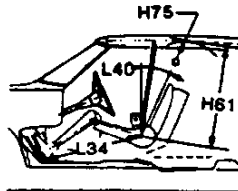
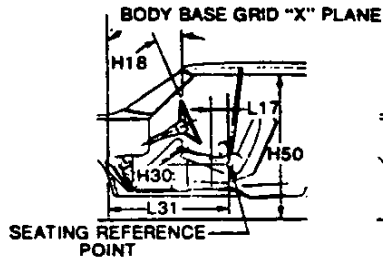
MVMA Specifications Form

Passenger Car

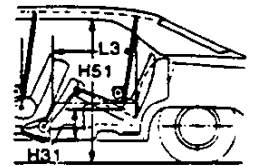
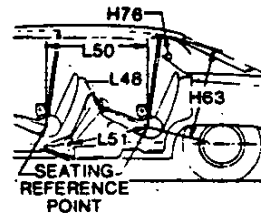
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

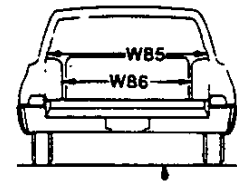
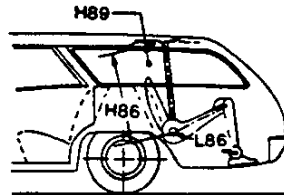
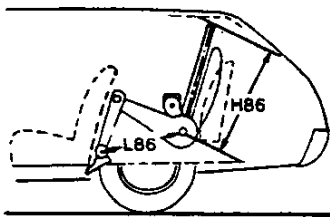
Front Compartment



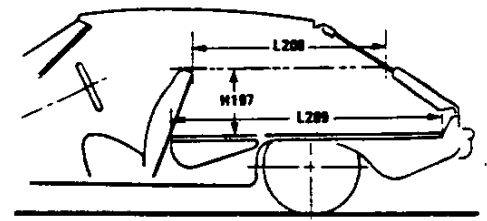
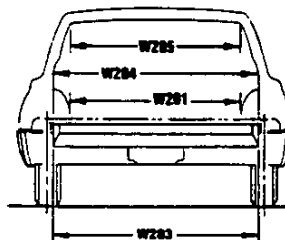
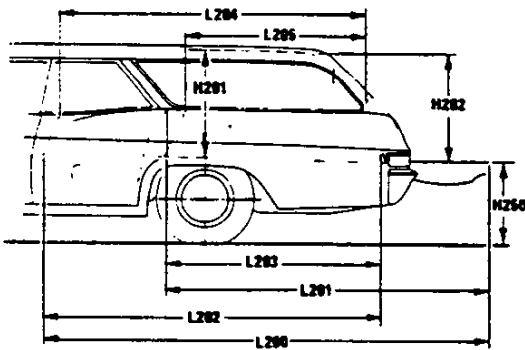
Rear Compartment



Third Seat



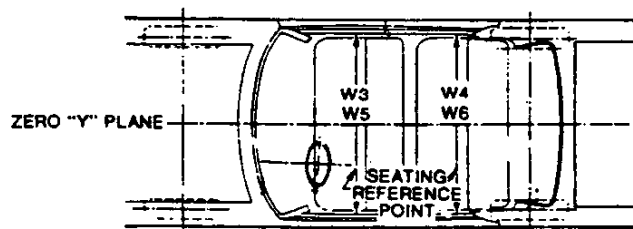
Cargo Space



Hatchback

Station Wagon

Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Seating Reference Point

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

- (a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- (b) Has coordinates established relative to the design vehicle structure;
- (c) Simulates the position of the pivot center of the human torso and thigh; and
- (d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "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 positions. 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 in 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 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H127 HEADLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as 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 MASS (WT.). Measured in the same manner as H104.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

- H106** ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107** ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius and the initial point of structural interference rearward 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 headlining plus 102 mm (4.0 in.).
- H75** EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).
- L34** MAXIMUM EFFECTIVE LEG ROOM—ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP—front plus 254 mm (10.0 in.) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- 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 trace 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 254 mm (10.0 in.) 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 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP—front and 76 mm (3.0 in.) fore and aft the SgRP—front.
- H50** UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.
- H18** STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
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.
- 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 COUBLE 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 to the headlining, plus 102 mm (4.0 in.).
- 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 254 mm (10.0 in.).
- 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 51 mm (2.0 in.).
- 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 254-406 mm (10.0-16.0 in.) 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 330 mm (13.0 in.) forward of the SgRP—second.
- L-41** Same as L-40.

Luggage Compartment Dimensions

- V1** USABLE LUGGAGE CAPACITY—Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.
- H195** LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The interior volume index estimates the space in a car. It is based on four measurements – head room, shoulder room, hip room, and leg room – for the front and rear seats, plus trunk capacity. The interior volume index is an estimate of the size of the passenger compartment.

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

Station Wagon – Third Seat Dimensions

- 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 254 mm (10.0 in.).
- H86** EFFECTIVE HEAD ROOM—THIRD. The dimension, measured along a line 8 deg. from the SgRP—third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H89** EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.
- L-88** Same as L-40.

Station Wagon – Cargo Space Dimensions

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

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Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Station wagon – Cargo Space Dimensions (con't)

- seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201 CARGO LENGTH-OPEN-SECOND.** The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L202 CARGO LENGTH-CLOSED-FRONT.** The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L203 CARGO LENGTH-CLOSED-SECOND.** The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L204 CARGO LENGTH AT BELT-FRONT.** The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab 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 wheelhouseings 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 door opening at floor level.
- W204 REAR OPENING WIDTH AT BELT.** The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT.** The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- 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 MASS WT.).** The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- V2 STATION WAGON**
Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V4 HIDDEN CARGO VOLUME.** As specified by the manufacturer.

V10 STATION WAGON (REAR OF SECOND SEAT)

Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L205}{10^9} = \text{liters}$$

Hatchback – Cargo Space Dimensions

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

- H197 FRONT SEATBACK TO LOAD HEIGHT.** The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT:** The vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.
- L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT.** The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209 CARGO LENGTH AT FLOOR-FRONT-HATCHBACK.** The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT-HATCHBACK.** The horizontal dimension from the "X" plane tangent to rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.
- L211 CARGO LENGTH AT FLOOR-HATCHBACK-SECOND.** The horizontal dimension at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3 HATCHBACK.**
Measured in inches:

$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{ft}^3$$
 Measured in mm:

$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{m}^3 \text{ (cubic meter)}$$
- V11 HATCHBACK (REAR OF SECOND SEAT)**
Measured in inches:

$$\frac{W4 \times H198 \times (L210 + L211)}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{W4 \times H198 \times (L210 + L211)}{10^9} = \text{liters}$$

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

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