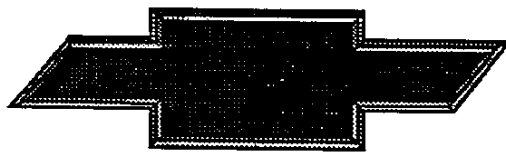
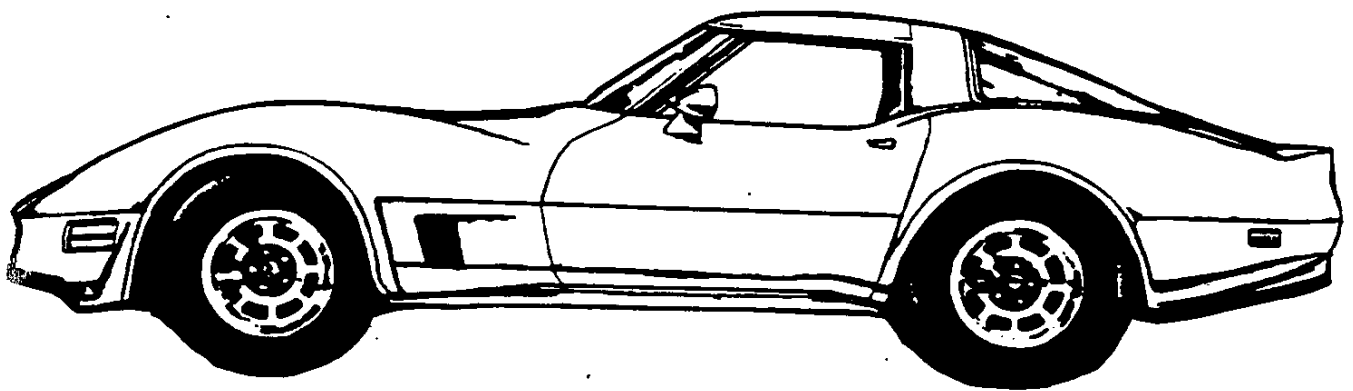






CORVETTE

1982 SPECIFICATIONS



GENUINE CHEVROLET

1982 CORVETTE

Production: 18,648 coupe, 6,759 collector coupe, 25,407 total

1982 NUMBERS

Vehicle: 1G1AY8786C5100001 thru 1G1AY8786C5125407

- * Sixth digit is a zero for the Collector Edition
- * Ninth digit is a check code and varies

Suffix: ZBA: 350ci, 200hp, at ZBN: 350ci, 200hp, at, ce

ZBC: 350ci, 200hp, at, ce, ep

Block: 14010207: All

Head: 462624: All

Throttle Body Injection: 17082052: Rear Unit
17082053: Front Unit

Distributor: 1103479: All

Alternator: 1101071, 1101075, 1103091, 1103103

Abbreviations: at=automatic transmission, ce=california emissions,
ci=cubic inch, ep=early production, hp=horsepower.

1982 FACTS

The 1982 Corvette was the last of a generation. Its basic body shape dated to 1968 and its chassis to 1963. To honor the 1982 model's special status, Chevrolet offered a "Collector Edition." It differed from base models in several ways. In addition to a higher level of standard features optional on base models, the Collector Edition had a lifting rear hatchback glass, special wheels styled similarly to the 1967 "bolt on" optional wheels, unique silver-beige paint, unique silver-beige leather interior and special cloisonne emblems.

The Collector Edition Hatchback Coupe carried a special code (zero in the sixth digit) in its vehicle identification number, but didn't have a separate serial sequence. At \$22,537.59, it was the first Corvette with a base price exceeding \$20,000.00.

- A manual transmission was not available in 1982 Corvettes.
- The automatic transmission in 1982 Corvettes was a new four-speed unit with a torque converter clutch operating in the top three gears. It used a higher first gear ratio (3.07:1) for improved acceleration.
- Hoods of 1982 models had solenoid-operated doors to direct fresh air directly into the air cleaner during full throttle.
- Chevrolet introduced "cross fire injection" on the 1982 Corvette. This wasn't fuel injection of the type available in 1957-1965 Corvettes; rather, it combined two "injectors" with Chevrolet's Computer Command Control system to achieve better economy, driveability and performance through more precise metering of the fuel. The Computer Command Control itself was refined in 1982 so that it was capable of making eighty adjustments per second compared to ten the previous year.
- The new fuel metering system used in 1982 included a positive fuel cutoff to prevent engine run-on (dieseling).
- The charcoal air filtering element of the 1981 model was replaced with a paper element in the cross-fire injection 1982.
- The exhaust system of 1982 models was redesigned with a smaller and lighter catalytic converter. The exhaust pipes leading into the converter were redesigned to deliver hotter exhaust gases to the converter to increase its efficiency.
- All 1982 Corvettes were built in the new Corvette plant in Bowling Green, Kentucky. Production was initiated in 1981 when 8,985 models were built.
- The 1982 Corvette was the last model with optional radio packages that included an 8-track tape (RPO UM4), and Citizens Band (RPO UN5).

1982 OPTIONS

RPO #	DESCRIPTION	QTY	RETAIL \$
1Y87	Base Corvette Sport Coupe	18,648	\$18,290.07
1Y07	Corvette Collector Edition Hatchback	6,759	22,537.59
AG9	Power Driver Seat	22,585	197.00
AL3	Power Door Locks	23,936	155.00
CC1	Removable Glass Roof Panels	14,763	443.00
C49	Rear Window Delogger	16,886	129.00
DG7	Electric Sport Mirrors	20,301	125.00
D84	Two-Tone Paint	4,871	428.00
FE7	Gymkhana Suspension	5,457	61.00
K35	Cruise Control	24,313	165.00
N90	Aluminum Wheels	16,844	458.00
OG8	White Letter SBR Tires, P225/70R15	5,932	80.00
OXH	White Letter SBR Tires, P255/60R15	19,070	542.52
UL5	Radio Delete	150	-124.00
UM4	AM-FM Radio, etr stereo with 8-track	923	386.00
UM6	AM-FM Radio, etr stereo with cassette	20,355	423.00
UN5	AM-FM Radio, etr stereo with cassette/CB	1,987	755.00
U58	AM-FM Radio, stereo	1,533	101.00
V08	Heavy Duty Cooling	15,557	60.00
V54	Roof Panel Carrier	1,992	144.00
YF5	California Emission Certification	4,951	46.00

* A 350ci, 200hp engine, automatic transmission, T-tops, and leather/vinyl or cloth/vinyl interior trim were included in the base price.

- There were no optional Corvette engines in 1982.
- Manual transmissions were not available.
- Corvette Collector Edition Hatchback Coupe included RPOs CC1, C49, OXH, U75, special silver-beige paint, graduated hood and side body decals, commemorative aluminum wheels, frameless glass hatchback with manual remote release, accent pinstripping, multi-tone silver-beige leather seats and door trim, leather wrapped steering wheel and horn cap, cloisonne exterior and interior emblems, and luxury carpeting. If UN5 radio was selected, it cost \$695 instead of \$755.

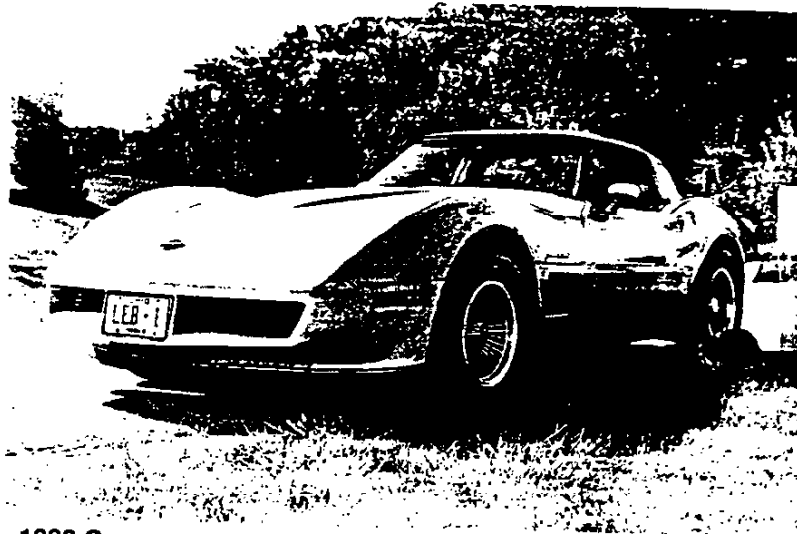
1982 COLORS

CODE	EXTERIOR	QTY	WHEELS	INTERIORS
10	White	2,975	Silver	Ch-Cm-Db-Dr-Sgn-Sgy
13	Silver	711	Silver	Ch-Db-Dr-Sgy
19	Black	2,357	Silver	Ch-Cm-Dr-Sgn-Sgy
24	Silver Blue	1,124	Silver	Ch-Cm-Sgy
26	Dark Blue	562	Silver	Cm-Db-Sgy
31	Bright Blue	567	Silver	Ch-Cm-Db-Sgy
39	Charcoal	1,093	Silver	Ch-Dr-Sgy
40	Silver Green	723	Silver	Ch-Sgn
56	Gold	648	Silver	Ch-Cm
59	Silver Beige	6,759	Silver	Sb
70	Red	2,155	Silver	Ch-Cm-Dr-Sgy
99	Dark Claret	853	Silver	Cm-Dr-Sgy
10/13	White/Silver	664	Silver	Ch-Sgy
13/39	Silver/Charcoal	1,239	Silver	Ch-Dr-Sgy
13/99	Silver/Dark Claret	1,301	Silver	Dr-Sgy
24/26	Silver Blue/Dark Blue	1,667	Silver	Db-Sgy

- Suggested interiors shown. Other combinations were possible.
- Nine 1982 Corvettes had primer only.
- Exterior code 59 Silver-Beige, and interior code 592 silver-beige leather were exclusive to the Collector Edition Hatchback.

Interior Codes: 132=Sgy/L, 182=Ch/L, 22C=Dp/C, 22E=Dp/L, 402=Sgn/L, 592=Sb/L, 64C=Cm/L, 74C=Dr/C, 74E=Dr/L.
Abbreviations: C=Cloth, Ch=Charcoal, Cm=Camel, Db=Dark Blue, Dr=Dark Red, L=Leather, Sb=Silver Beige, Sgn=Silver Green, Sgy=Silver Gray

1982 CORVETTE



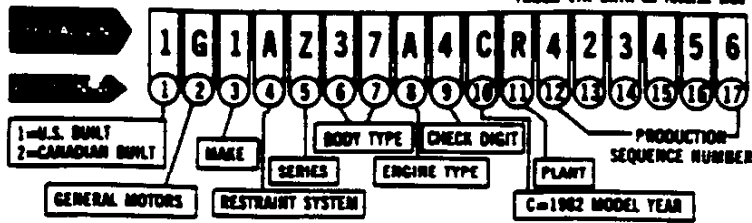
1982 Corvette
Length: 185.3 inches
Width: 69.0 inches
Height: 48.0 inches
Curb Weight: 3,342 pounds
Wheelbase: 98 inches
Tire Size: P225/70R15
Track: 58.7 inches front, 59.5 inches rear

Author photo



1982 PASSENGER CAR VIN SYSTEM

TRUCK VIN DATA on reverse side



3 MAKE

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

4 RESTRAINT SYSTEM

- A - NON-PASSIVE/MANUAL BELTS
- B - PASSIVE/AUTOMATIC BELTS

5 CARLINE SERIES

- | | |
|-------------------------------|------------------------------|
| CHEVROLET | PONTIAC |
| B - CHEVETTE | B - 12000 |
| D - CAVALIER | C - 12000 LE |
| E - CAVALIER TYPE 10 | D - 12000 SE |
| J - CHEVETTE SCOOTER | F - PONTIAC 6000 |
| L - IMPALA | G - PONTIAC 6000 LE |
| N - CAPRICE CLASSIC | J - GRAND PRIX |
| P - CAMARO SPORT | K - GRAND PRIX LI |
| COUPE | L - 11000 |
| S - CAMARO BERLINETTA | M - BONNEVILLE MODEL G |
| W - CELEBRITY** | P - GRAND PRIX BROUGHAM |
| W - MALIBU CLASSIC** | R - BONNEVILLE |
| Z - CITATION | S - BROUGHAM MODEL G |
| Z - CORVETTE | T - FIREBIRD |
| Z - MONTE CARLO | U - PHOENIX SJ |
| OLDSMOBILE | V - FIREBIRD TRANS AM |
| B - OMEGA | W - FIREBIRD SPECIAL |
| C - I CAR | X - FIREBIRD SPECIAL EDITION |
| D - I CAR | Y - PHOENIX |
| E - OMEGA BROUGHAM | Z - PHOENIX LI |
| G - CUTLASS CIERA* | BUICK |
| H - CUTLASS CRUISER | B - SKYLARK |
| I - CUTLASS CALAIS | C - SKYLARK LIMITED |
| J - CUTLASS CIERA LS* | D - SKYLARK SPORT |
| K - DELTA 88 | E - CENTURY SPORT |
| M - CUTLASS SUPREME BROUGHAM* | G - CENTURY |
| N - CUTLASS CIERA BROUGHAM | H - REGAL |
| O - DELTA 88 ROYALE | I - REGAL SPORT |
| P - CUSTOM CRUISER | L - CENTURY LIMITED |
| Q - CUTLASS SUPREME BROUGHAM | M - REGAL LIMITED |
| R - 98 REGENCY BROUGHAM | N - LE SABRE |
| S - 98 REGENCY BROUGHAM | P - LE SABRE LIMITED |
| T - DELTA 88 ROYALE BROUGHAM | Q - LE SABRE ESTATE |
| Z - TORONADO BROUGHAM | S - SKYHAWK |
| GM | T - SKYHAWK LIMITED |
| CANADA ONLY | U - ELECTRA ESTATE |
| B - ACADIAN | W - ELECTRA PARK AVENUE |
| F - GRAND LEMANS | X - ELECTRA LIMITED |
| J - ACADIAN S | Y - RIVIERA T |
| L - PARISIENNE | Z - RIVIERA LUXURY |
| M - PARISIENNE BROUGHAM | CADILLAC |
| N - GRAND LEMANS BROUGHAM | B - FLEETWOOD BROUGHAM |
| | D - DEVILLE |
| | F - FLEETWOOD LIMOUSINE |
| | G - CIMARRON |
| | L - ELDOORADO |
| | S - SEVILLE |

* BODY TYPES 19 and 27 ONLY
 ** BODY TYPES 35 and 69 ONLY
 † BODY TYPES 47 and 69 ONLY

6-7 BODY TYPE

- | | |
|------------|-----------------------------------|
| 07 | COUPE 2 DOOR HATCHBACK |
| 08 | SEDAN 2 DOOR HATCHBACK |
| 19 | SEDAN 4 DOOR NOTCHBACK |
| 23 | SEDAN 4 DOOR AUX SEAT |
| 27 | COUPE 2 DOOR NOTCHBACK |
| 35 | STATION WAGON 4 DOOR |
| 37, 47, 57 | COUPE 2 DOOR NOTCHBACK SPECIAL |
| 68 | SEDAN 4 DOOR PLAIN BACK HATCHBACK |
| 69 | SEDAN 4 DOOR NOTCHBACK |
| 77 | COUPE 2 DOOR PLAIN BACK HATCHBACK |
| 87 | COUPE 2 DOOR PLAIN BACK SPECIAL |

8 ENGINE TYPE

CODE	DISP	CYL	CARB	DIVISION	USAGE	PRODUCED
A	3.8	V6	2BBL	1,2,3,4,7	4	
B	2.0	L4	2BBL	3,4		
C	1.6	L4	2BBL	2,7		
D	1.8	L4	DIESEL	1,7	SUZU	
E	3.0	V6	2BBL	3,4	4	
F	2.5	L4	2BBL	1,2	2	
G	1.8	L4	2BBL	1,2,3,4,6	1	
H	5.0	V8	4BBL	1,2,3,4,7	1	
I	4.4	V8	2BBL	1,2,3,4,7	1	
J	3.8	V6	2BBL			
K	5.7	V8	4BBL			
L	5.7	V8	DIESEL	1,2,3,4,6,7	1	
M	2.5	L4	EFI	1,2,3,4	2	
T	4.3	V6	DIESEL	1,2,3,4	1	
V	4.3	V6	DIESEL	1,3,4	1	
X	2.8	V6	2BBL	1,2,3,4	1,7	
Y	5.0	V8	4BBL	3,4	1	
Z	2.8	V6	2BBL	1,2,3,4		
0	1.8	L4	EFI	2,4	2	
1	2.8	V6	2BBL	1,2	1	
2	2.5	L4	EFI	1,2	2	
3	3.8	V6	4BBL	4	4	
4	4.1	V6	4BBL	2,3,4,6	4	
5	2.5	L4	2BBL	1,2,3,4	2	
7	5.0	V8	CFI	1,2		
8	5.7	V8	CFI			
9	4.3	V6	2BBL	1	1	
8	4.1	V6	DFI	6	6	
9	6.0	V8	DFI	6	6	

CFI=CROSS FIRE INJECTION EFI=ELECTRONIC FUEL INJECTION
 DFI=DIGITAL FUEL INJECTION T=TURBOCHARGED
 * OR GM MEXICO

11 PLANT

B - LAKEWOOD GA	M - FLINT (BUICK) MI	R - ARLINGTON TX	2 - FREMONT CA	4 - ORION MI
D - BALTIMORE MD	J - JAMESVILLE NY	S - ST. LOUIS MO	0 - PONTIAC (GMCI) MI	4 - SCARBOROUGH NY
C - SOUTHGATE CA	R - LEEDS MO	T - TARRYTOWN NY	1 - OSHTON MI	5 - BOWLING GREEN KY
D - DORAVILLE GA	L - VAN NUYS CA	V - PONTIAC (GMCI) MI	2 - MORRIS OH	5 - LONDON ONT
E - LINDEN NJ	M - LANSING MI	W - WYNDHAM RUN MI	2 - STE. THERESE PQ	6 - OKLAHOMA CITY OK
F - FLINT (CHEV) MI	R - NORWOOD OH	X - FAIRFAX KS	3 - DETROIT (CHEV) MI	7 - LORDSTOWN OH
G - FRAMINGHAM MA	P - PONTIAC (PONT) MI	Y - WILMINGTON DE	3 - ST. EUSTACHE PQ	8 - SHREVEPORT LA
				8 - FUJISAWA JAP
				9 - DETROIT (CAD) MI

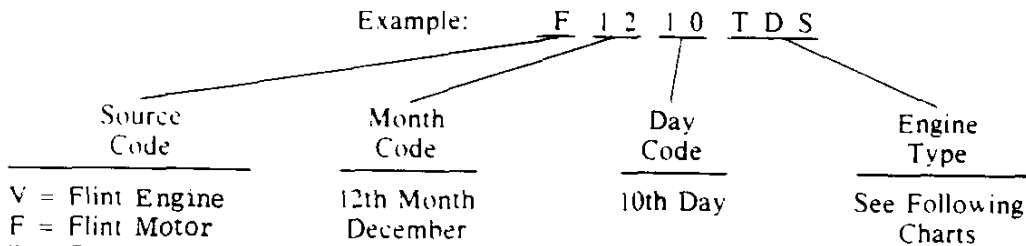
The information shown is correct at time of printing, but may be changed during model year.



ENGINE ASSEMBLY IDENTIFICATION

CHEVROLET ENGINE PRODUCTION CODE

Chevrolet produced engines are stamped with a source, production date and engine suffix. Other General Motors produced engines used in Chevrolet vehicles will use a label affixed to the engine assembly. A complete list of all alphabetic codes used, regardless of manufacturer, appear in the following pages.



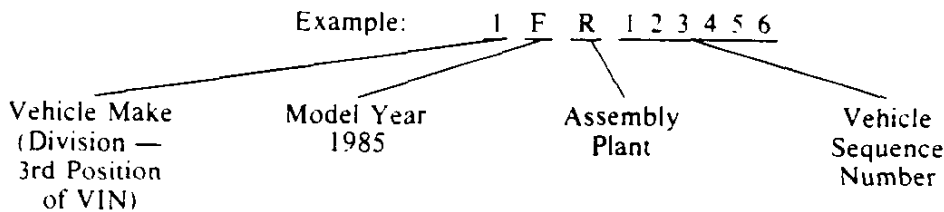
V = Flint Engine
 F = Flint Motor
 T = Tonawanda
 K = GM of Canada
 R = Moraine
 M = GM of Mexico
 A = Ramos - Mexico

12th Month
 December

10th Day

See Following
 Charts

In addition, all engines have a portion of the vehicle identification number stamped near the engine production code. This consists of the division code, model year, assembly plant and vehicle build sequence number.



*NOTE: Pre 1980 production used numerical characters (last digit of model year) to identify model year. 1980 started the progressive use of alphabetic characters.

(1) DIVISION (PRIOR TO 1979)

- 1 — Chevrolet
- 2 — Pontiac
- 3 — Oldsmobile
- 4 — Buick
- 5 — GMC Truck
- 6 — Cadillac
- 7 — GM of Canada

Since 1979

- 1 — Chevrolet
- 2 — Pontiac
- 3 — Oldsmobile
- 4 — Buick
- 5 — GM Overseas
- 6 — Cadillac
- 7 — GM of Canada
- 8 —
- 9 — GM Overseas
- C — Chev. Truck
- T — GMC Truck

(3) PLANT

- A — Lakewood
- B — Baltimore
- C — Lansing (B)
- D — Doraville
- E — Linden
- F — Flint (Chev.)
- G — Framingham
- H — Flint (Buick)
- J — Janesville
- K — Kosai
- K — Leeds
- L — Van Nuys
- M — Lansing
- N — Norwood
- P — Pontiac (Pont.)

- Q — Detroit (Not used in 1980)
- R — Arlington
- S — St. Louis
- S — Ramos Arizpe
- T — Tarrytown
- U — Hamtramck
- V — Pontiac (GMC)
- W — Willow Run
- X — Fairfax
- Y — Wilmington
- Z — Fremont
- 1 — Wentzville
- 1 — Oshawa #2
- 2 — Moraine (T&B)
- 2 — St. Therese
- 3 — Detroit (T&B)
- 3 — St. Eustache
- 3 — Kawasaki
- 4 — Orion
- 4 — Scarborough
- 5 — Bowling Green
- 5 — London
- 6 — Oklahoma City
- 7 — Lordstown
- 8 — Shreveport
- 8 — Fujisawa, Japan (Luv)
- 9 — Detroit (Cad.)
- 9 — Oshawa #1
- 0 — GM Truck Pontiac

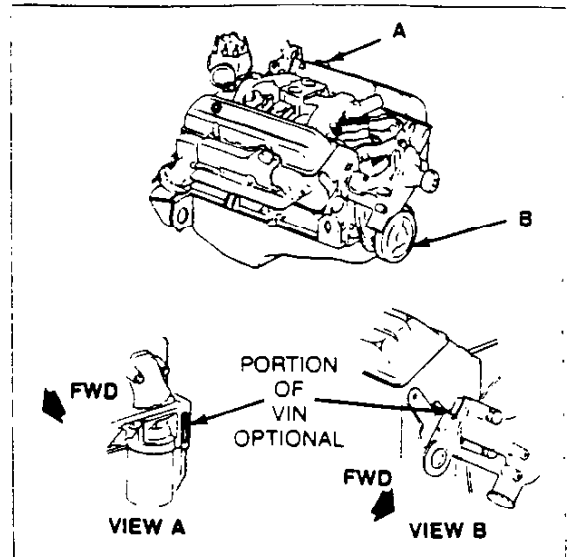


**3.3, 3.8, 4.3, 4.4, 5.0, 5.7 AND 6.6 LITER
GASOLINE 90° V-BLOCK — CHEVROLET**

The code is stamped on a cylinder case pad immediately forward of the right hand cylinder head.

OR

The code may be on the vertical surface rearward of the oil filter location.



CORVETTE ENGINE SERIES NUMBER AND SUFFIX CHART (Cont.)

1982

Engine	Cu. In., Disp.	Comp. Ratio	Bore	Stroke	Carburetor	Transmission
Turbo-Fire 350 V-8	350	9.0:1	4.0 "	3-31/64"	4-Barrel	4-Spd. A.T. (MD8)

1982

350-8 (L83) w/A.T., Fed. ZBA
 350-8 (L83) w/A.T., Calif. ZBC
 350-8 (L83) w/Calif. ZFN

CORVETTE BASIC ENGINE DATA & POWER TEAMS (Cont.)

V17

1982 TRANSMISSION IDENTIFICATION CODE

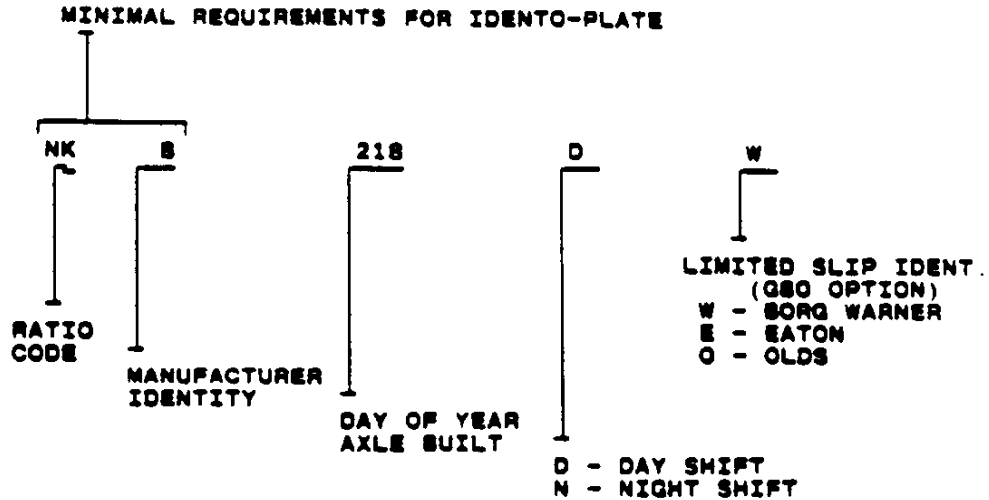
MD8-4 SPD. A.T.
 YA



REAR AXLE FIELD IDENTIFICATION

Axles are manufactured by Buick Chevrolet Buffalo Chevrolet Warren Chevrolet Gear and Axle Oldsmobile Pontiac and Mckinnon. Divisional Manufacturer code letters will be metal stamped on the axle tube adjacent to the carrier for field identification. (See example) Metal stamped on right front inboard side letters and numerals 1/4" high, 3" outboard of carrier or are located on a metal tag attached to cover bolt. Reference should be made to divisional service manuals for location on some models.

FIELD IDENTIFICATION



MANUFACTURER IDENTITY

- | | |
|--------------------|---|
| B - BUICK | G - CHEVROLET GEAR AND AXLE |
| O - OLDSMOBILE | C - CHEVROLET BUFFALO |
| P - PONTIAC | K - GM OF CANADA, ST. CATHERINES (MCKINNON) |
| M - PONTIAC/CANADA | W - CHEVROLET WARREN |

MANUFACTURERS IDENTIFICATION WILL APPEAR IN THE DESCRIPTION COLUMN OF CATALOG

CORVETTE REAR AXLE IDENTIFICATION (Cont.)

V20

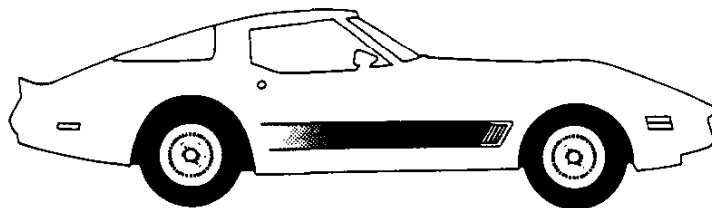
1982

Positraction (2.87 Ratio) (Dana)

1982 CORVETTE



Corvette Coupe



Collector Edition Hatchback Coupe

Corvette	Model No.
Coupe	1YY87
Collector Edition	1YY07

Index	
Corvette Value Features for 1982	2
Corvette Collector Edition Features	3
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Corvette Collector Edition	6
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Power Teams	13
Dimensions, Specifications	13
Color and Fabric Selector	15-17

Also see Value Features and Option Features sections for additional details.

See Dealer Order Guide for latest available information.

1982 CORVETTE VALUE FEATURES

POWER TEAMS: CHASSIS/MECHANICAL

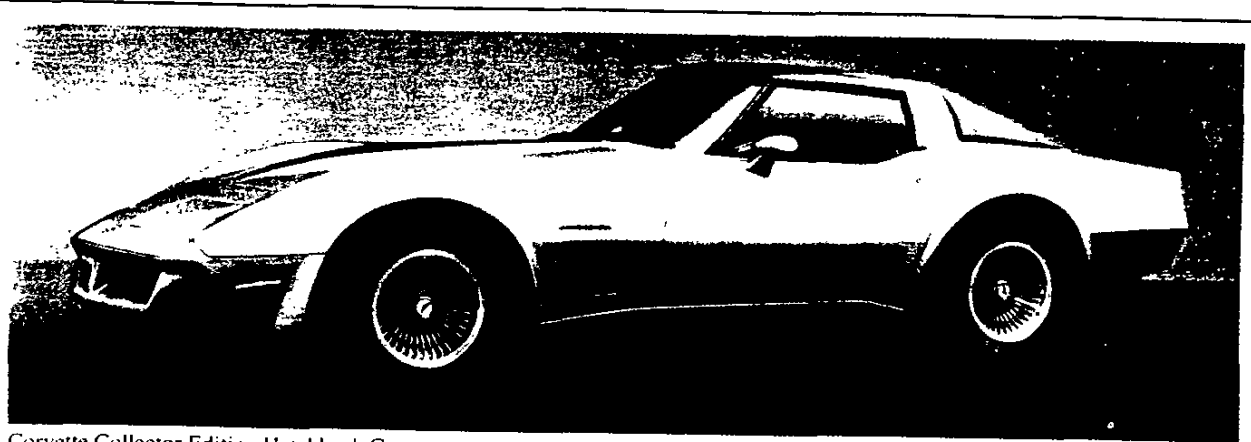
	Corvette Sport Coupe	Corvette Collector Edition
Computer Command Control	S	S
5.7 Liter CFI V8 engine (Cross-Fire Injection)	S	S
Automatic transmission with overdrive fourth gear	S	S
Aluminum intake manifold with tuned runners	S	S
Stainless steel exhaust manifolds and free-flow mufflers	S	S
Hydraulic valve lifters and exhaust valve rotators	S	S
Magnesium valve rocker covers	S	S
Black wrinkle-finish air cleaner with dual snorkel, outside-air pickup	S	S
Hood outside-air duct	S	S
Electric in-tank twin turbine fuel pump	S	S
Low-drag engine primary cooling fan	S	S
Auxiliary electric engine coolant fan	S	S
High Energy Ignition system	S	S
Second-generation Freedom II battery with sealed side terminals	S	S
Power steering with ball-race gear	S	S
Power disc brakes at all four wheels	S	S
Exclusive monoleaf fiberglass rear spring	S	S
New drive shaft seals and splash shields	S	S
New, larger drive shaft universal joints	S	S
Sturdy frame structure with corrosion-resistant coating	S	S
Fully independent four-wheel suspension	S	S
Delcotron generator with built-in solid-state regulator	S	S
P225 70R-15B steel-belted radial ply tires	S	NA
P255 60R-15B steel-belted radial ply white-letter tires	EC	S
15" x 8" steel wheels and compact spare	S	NA
Specific finned aluminum wheels and compact spare	NA	S
Cast aluminum wheels and compact spare	EC	NA
Side-lift jack	S	S
Underhood lamp	S	S
EXTERIOR		
Anti-theft alarm system with starter-interrupt feature	S	S
Front fender louvers	S	S
Front cornering lamps	S	S
Specific "Collector Edition" emblems — front, sides, rear	NA	S
Power-operated retractable headlamps	S	S
Quad headlamps with halogen hi-beam inner units	S	S
Dual remote-controlled sport mirrors	S	S

* May be deleted for credit

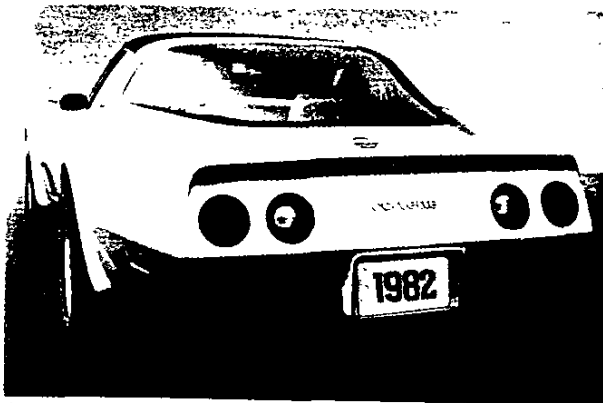
EXTERIOR (Cont'd)

	Corvette Sport Coupe	Corvette Collector Edition
Tinted glass	S	S
Special silver-beige metallic finish	NA	S
Removable roof panels with solar screening	EC	S
Steel wheels with center hub and trim rings	S	NA
Cast aluminum wheels	EC	NA
Finned aluminum wheels	NA	S
Frameless rear hatch glass with remote release	NA	S
Body-color front bumper with integral air dam	S	S
Energy-absorbing bumper systems	S	S
Corrosion-resistant steel-reinforced fiberglass body	S	S
Concealed dual-speed wipers with integral washers and wiper arms	S	S
INTERIOR		
Leather-trimmed vinyl or all-cloth bucket seats	S	NA
Full-leather bucket seats	NA	S
Soft-padded and carpeted door panels	S	S
Molded shell seats with high-pivot folding backs	S	S
Power windows	S	S
Rear window defogger	EC	S
AM-FM push-button radio with dual front speakers and mast antenna*	S	S
Air conditioning	S	S
Time-delay dome and courtesy lamps	S	S
Headlamp-on reminder	S	S
Low-fuel warning lamp	S	S
Illuminated RH visor vanity mirror	S	S
Leather-wrapped steering wheel rim	S	S
Tilt-Telescopic steering wheel & column	S	S
Glove compartment lock and lamp	S	S
Intermittent windshield wipers	S	S
7,000-RPM electronic tachometer	S	S
Voltmeter, temperature, fuel and oil pressure gages	S	S
Quartz analog electric clock with sweep-second hand	S	S
Cigarette lighter and ashtray	S	S
Resettable trip odometer	S	S
Center console with shifter, coin tray, window, radio and air conditioning controls	S	S
Day-night rearview mirror	S	S
Deep-twist floor and stowage area carpet	S	S
Acoustical insulation package	S	S
Luggage compartment concealment shade	S	S

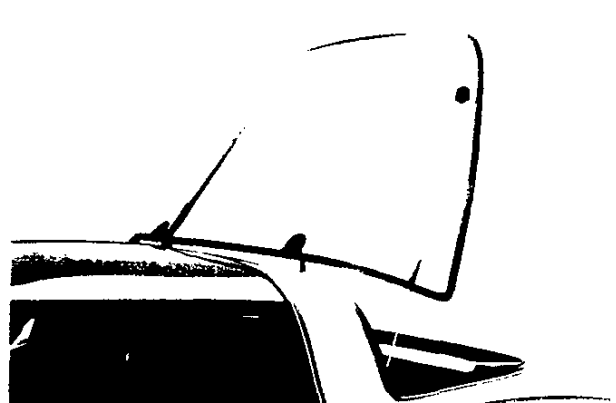
S — Standard EC — Extra Cost NA — Not Available



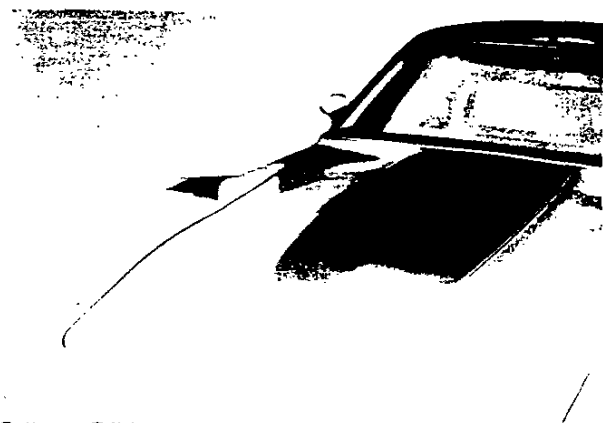
Corvette Collector Edition Hatchback Coupe



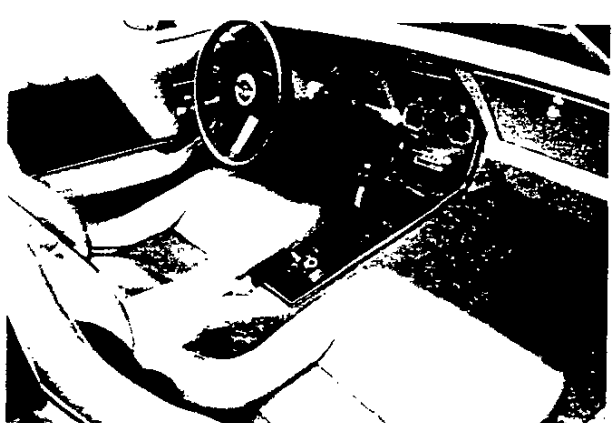
Collector Edition Rear View



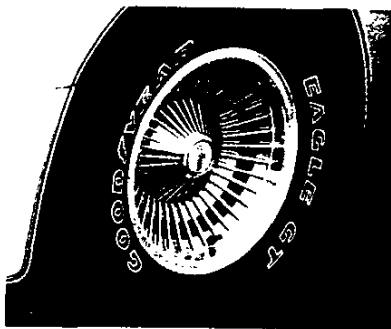
Collector Edition Glass Hatch with Remote Release



Collector Edition with Special Air Intake



Collector Edition Interior with Full-Leather Seats



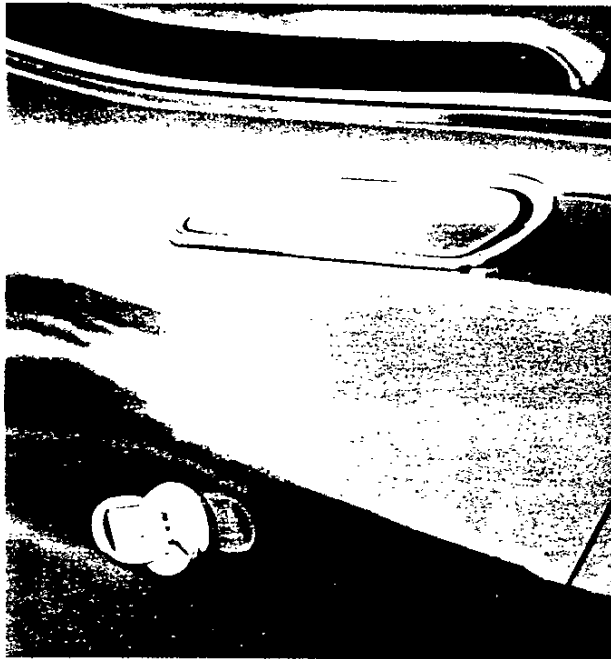
Special Collector Edition Wheels



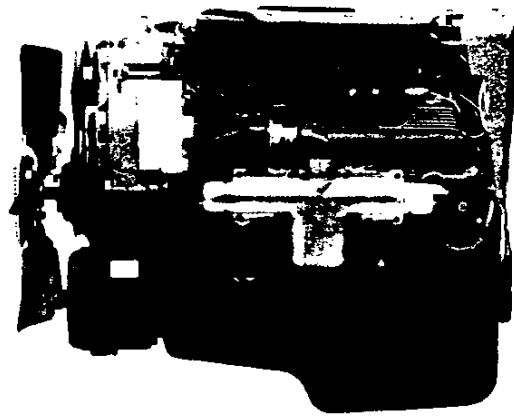
Collector Edition Horn Button



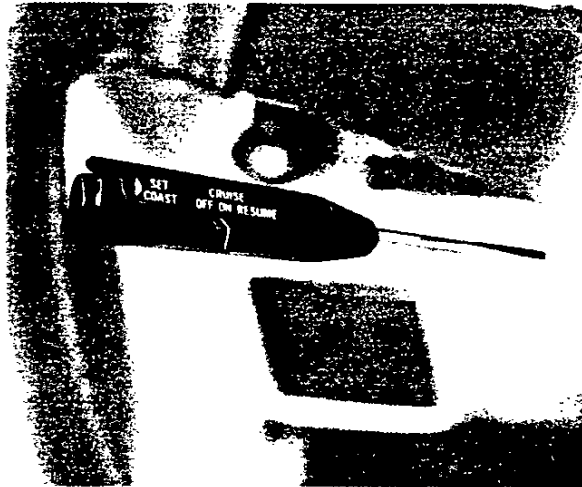
Crossed-Flag Emblem on Front Panel



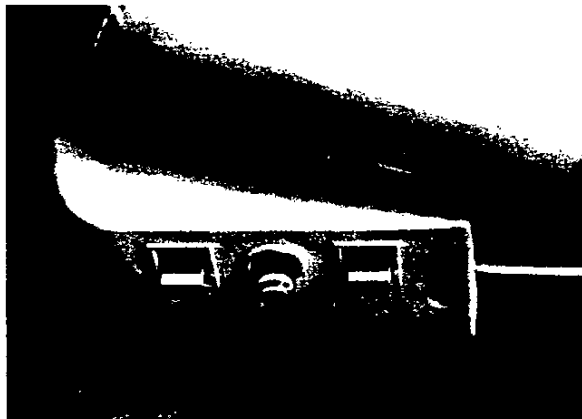
Anti-Theft Alarm System with Starter Interrupt *Standard*



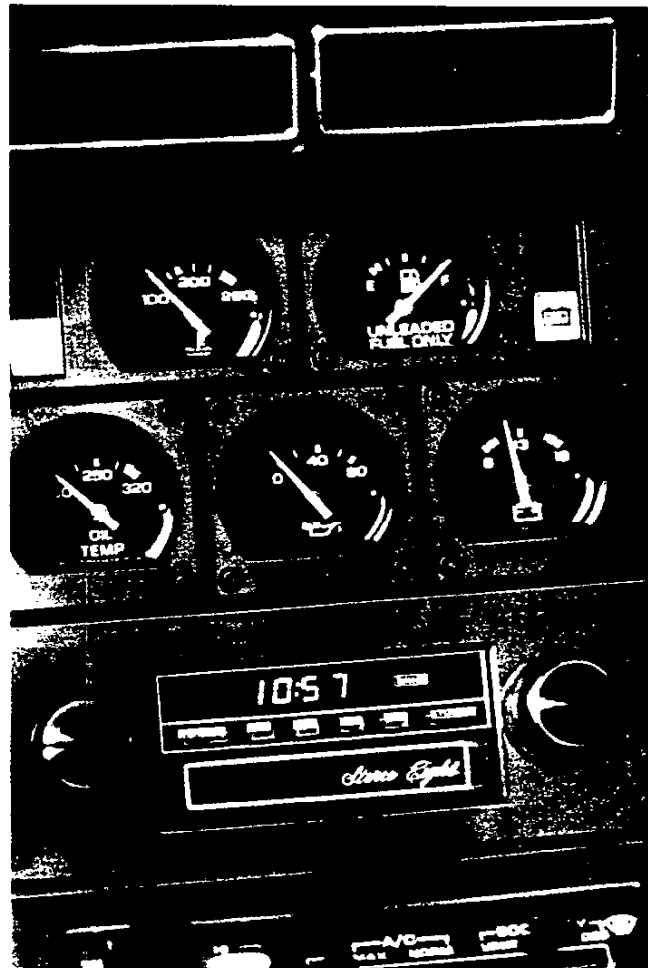
5.7 Liter CFI V8 Cross Fire Injection Engine *Standard*



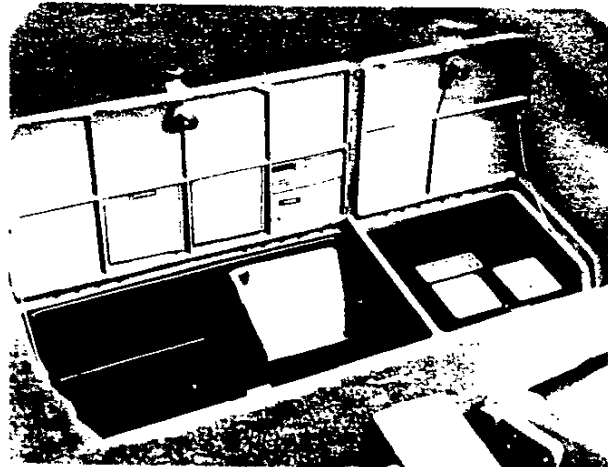
Optional Automatic Speed Control with Resume Speed Feature



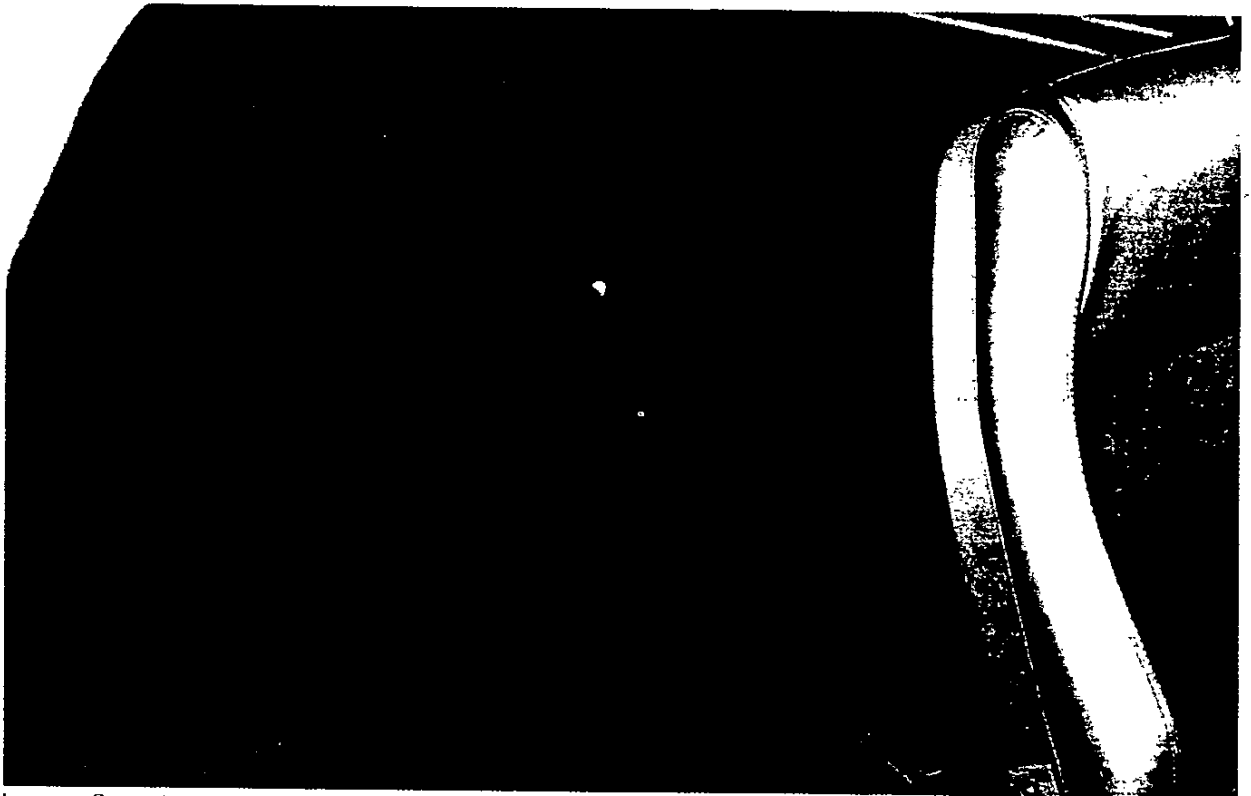
Optional Power Seat



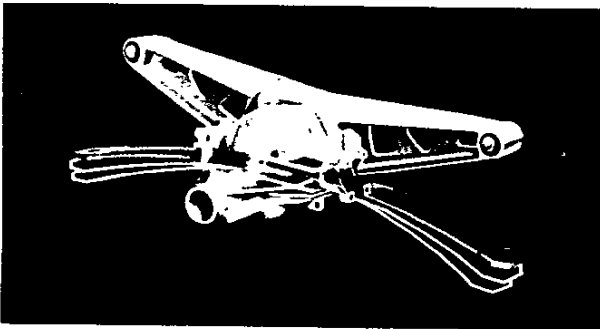
Air Conditioning and AM/FM Radio* *Standard*.
(Electronically Tuned Stereo Radio with 8-Track Tape Shown)



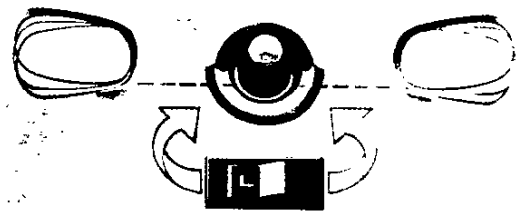
Locking Storage Compartments *Standard*



Luggage Concealment Shade *Standard*



Fiberglass Monoleaf Rear Spring *Standard*

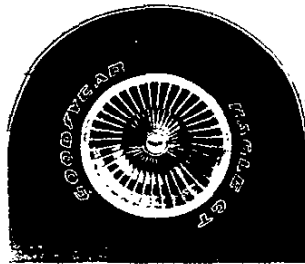
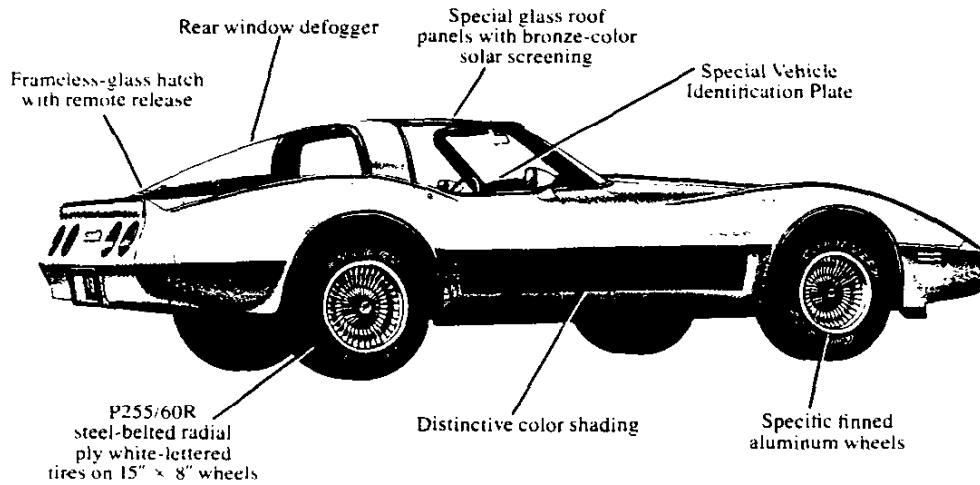
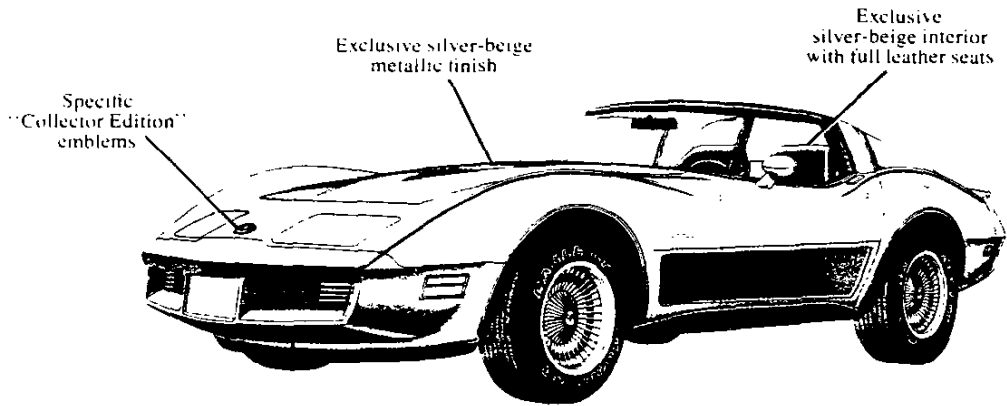


Optional Electric Twin Remote Control Sport Mirrors

CORVETTE

Collector Edition Hatchback Coupe

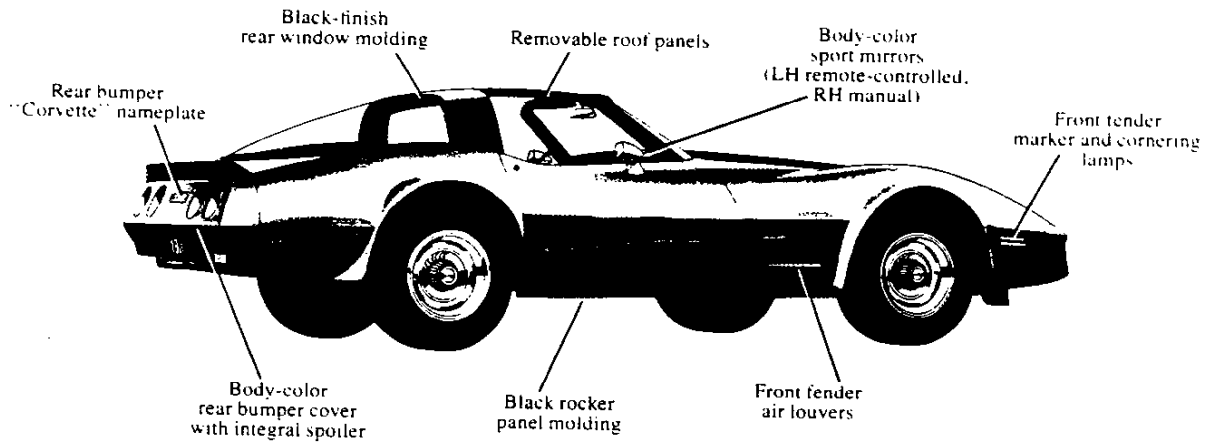
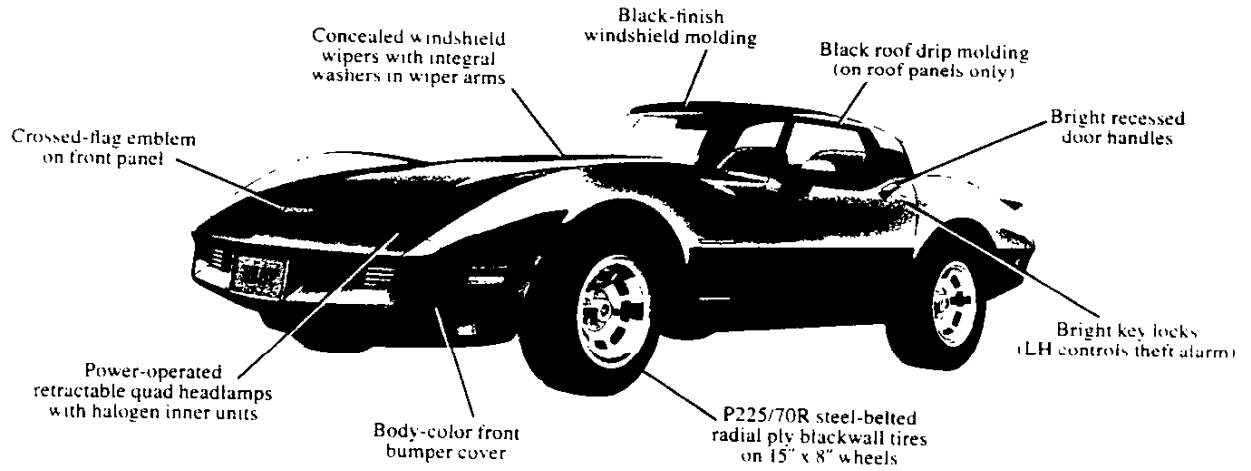
(In addition to, or replacing
standard Corvette features)



Standard
"Collector Edition" Finned
Aluminum Wheel

CORVETTE

Coupe

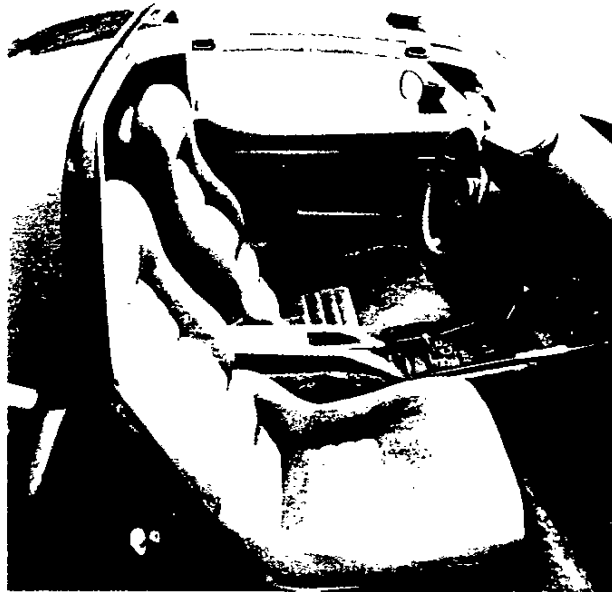


Standard Corvette Wheel with Bright Trim Rings and Center Caps

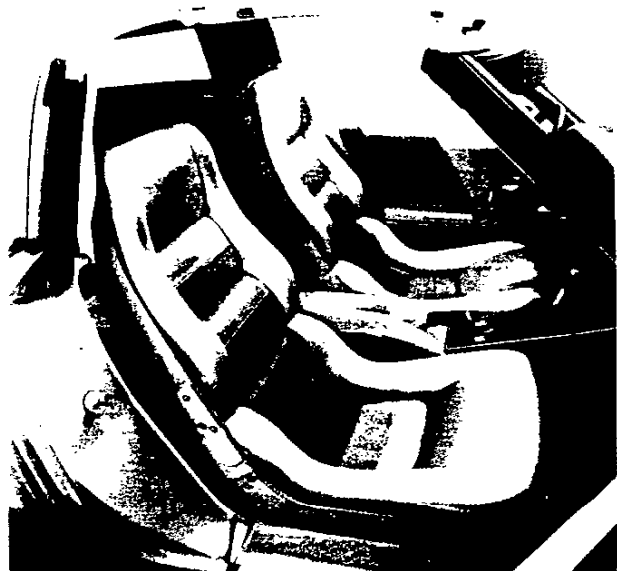


Optional Aluminum Wheels (RPO N90)

INTERIOR FEATURES



Corvette Bucket Seats Offered in Choice of Leather and Vinyl (or Cloth and Vinyl Shown)

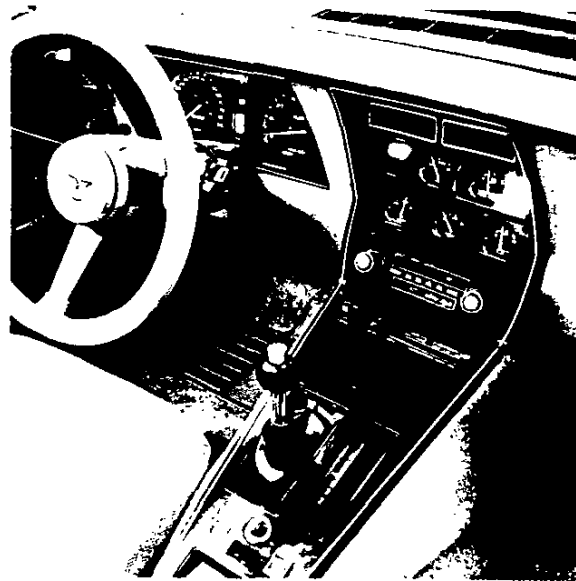


Corvette Collector Edition Interior with All-Leather Seats

INTERIOR FEATURES	Corvette Coupe	Collector Edition
Full color-keyed interior	S	S
Molded-shell bucket seats with folding seat backs and inertia seat back locks	S	S
Forward flat-folding passenger seat back extends stowage space	S	S
Choice of leather or cloth seat trim on seating surfaces	S	NA
Full leather seats in silver beige	NA	S
Single loop seat belt system with concealed retractors	S	S
Padded door trim panels, padded armrests with integral pull handles, vinyl upper trim, carpeted lower kick pads, and map storage pockets	S	S
Day/night rearview mirror	S	S
Visor mirror, illuminated RH	S	S
Center console houses parking brake and shift levers, AC heater, radio, window and opt. elect. mirror controls	S	S
Molded headlining with sun visor pockets	S	S
Center dome light between roof panels, courtesy lights under instrument panel	S	S
Color-keyed roof panel tie-down straps and black stowage bags	S	S
Carpeting in passenger compartment and rear stowage area	S	S
Carpeted floor mats	S	S
Luggage compartment concealment shade	S	S
Locking stowage compartment under rear floor	S	S
Acoustical insulation package	S	S
Tinted glass (all windows)	S	S

S — Standard NA — Not Available

INSTRUMENTATION/CONTROLS



Corvette's Unique Instrument Panel

INSTRUMENT PANEL FEATURES	Coupe	Collector Edition
Special vehicle identification plate	NA	S
AM-FM radio (may be deleted for credit)	S	S
Tilt-Telescopic steering column includes color-keyed, leather-wrapped, 3-spoke steering wheel	S	S
Crossed-flag emblem on horn button	S	NA
Collector Edition emblem on horn button	NA	S
Column-mounted lever for turn signal and headlight beam	S	S
Cigarette lighter in ashtray on console	S	S
Air conditioning and heater controls on console	S	S
Power window controls on console	S	S

INSTRUMENT PANEL FEATURES	Coupe	Collector Edition
Quartz electric clock	S	S
7000-RPM electronic tachometer	S	S
Aircraft style voltmeter, temperature, oil pressure and fuel gauges	S	S
85-MPH speedometer with trip odometer	S	S
Low-fuel warning lamp	S	S
Headlamp-on reminder	S	S
Intermittent windshield wiper control	S	S
Console-mounted control for automatic transmission	S	S
Bright accents on dash and console	S	S
Glove compartment lock and lamp	S	S

S — Standard NA — Not Available

COLOR AND TRIM COMBINATIONS

		INTERIOR COLORS						
		SILVER GRAY	CHARCOAL	DK RED	CAMEL	DK BLUE	SILVER GREEN	SILVER BEIGE
CORVETTE	Cloth Bucket*	X		X	X	X		
	Leather Bucket**	X	X	X	X	X	X	X
EXTERIOR COLORS		CODE						
White	10	X	X	X	X	X	X	
Silver (Metallic)	13	X	X	X	X	X		
Black	19	X	X	X	X	X	X	
Silver Blue (Metallic)	24	X	X			X		
Dark Blue (Metallic)	26	X			X	X		
Bright Blue (Metallic)	31	X	X		X	X		
Charcoal (Metallic)	39	X		X				
Silver Green (Metallic)	40		X				X	
Gold (Metallic)	56		X		X			
Red	70	X	X	X	X			
Dark Claret (Metallic)	99	X		X	X			
Collector Edition Silver Beige (Metallic)	59							X
CUSTOM TWO-TONE (RPO D84) COLORS								
Silver Dark Claret (Metallic)		X		X				
Silver Blue Dark Blue (Metallic)						X		
Silver Charcoal (Metallic)		X	X					
White Silver (Metallic)		X	X					

*Cloth seat cushion and seat back panels **Leather seat cushion and seat back panels, full leather seats in Collector Edition

See Dealer Order Guide for latest available information.

OPTIONAL EQUIPMENT

Carrier, Roof Panel	RPO
Cooling, Heavy-Duty	V54
Defogger, Electric Rear Window (Standard on Collector Edition)	VO8
Door Lock System, Power	C49
Mirrors, Electric Twin Remote Sport	AU3
Radio Equipment: Includes 30" fixed-height rear antenna (except with CB or Power Antenna)	DG7
AM/FM Stereo Radio	U58
Electronically Tuned Stereo Radio with 8-Track Tape Player	UM4
Electronically Tuned Stereo Radio with Cassette Tape Player	UM6
Electronically Tuned Stereo Radio with Citizens Band and Cassette Tape	UN5
Power Antenna. (Included with Citizens Band Radio)	U75
Radio, Delete (for credit: deletes std. radio and speakers)	UL5
Seat, Power Six-way Left Hand	A42
Roof Panels, Removable Glass, Twin removable tinted glass panels (Std. on Collector Edition)	CC1
Speed Control, Automatic, With Resume Speed	K35
Suspension Equipment:	
Gymkhana. Includes rear stabilizer and bushings, higher rate springs and special shock absorbers.	FE7
Paint, Custom Two-tone	D84
Tires:	
P225/70R-15 Steel-Belted Radial Ply White Lettered	QGR
P255/60R-15 Steel-Belted Radial Ply White Lettered (Goodyear Eagle GT) (Standard on Collector Edition)	QXH
Trim, Interior: (See Color and Trim Selections)	
Cloth Bucket Seat Interior. Available at no extra charge	
Leather Bucket Seat Interior. Available at no extra charge	
Wheels, Aluminum (four)	N90

BODY FEATURES

ALL-NEW PROCESSES AT AN ALL-NEW PLANT

For 1982, all Corvettes will be built at a new facility at Bowling Green, Kentucky. This new facility will incorporate the latest technology in preparation and final finishing of the steel-reinforced fiberglass body. Following is a step-by-step procedure for every body to help make these the highest quality, smoothest-finished in Corvette history.

FIRST AND SECOND PRIME

Prior to the body entering the paint shop, it has gone through a "blowout" oven to eliminate as many imperfections in the fiberglass surface as possible. Any noted defects have been bond-repaired and the body is ready for prime and paint operations. This helps identify all substrate defects prior to prime operations by subjecting the body to higher temperatures than in prime and color ovens.

As the body enters the paint shop, all residual dust, dirt, etc. will be vacuumed from the interior and exterior surfaces and undercoat applied to the special areas. The body is blown off with an ionizing gun. The ionizing gun neutralizes the static charge buildup caused by wiping unit with a tack cloth, or by air movement over the body. Static charge is measured with a static meter.

The body will then receive a coat of black Polane prime and white seam fill primer on bond seams. A second coat of Polane is applied wet-on-wet and baked.

Following the bake, it proceeds to a wet sand deck. It is inspected and all pits, indentations, and surface defects are repaired. The entire body is then water-sanded with 360-grit screen cloth to remove dirt and provide a smooth surface for second coat of Polane. The body is completely washed to remove all sanding sludge. Following the dry-off oven, the unit is reinspected for surface defects and repaired as necessary. The body is tacked and

blown off to remove any contaminants from the repair process.

It is then transported to a second prime booth where a second coat of Polane primer is applied to all surfaces. It enters the second prime bake oven. In each spray booth, the atomizing air hoses are also equipped with an ionizing air cartridge.

MAIN COLOR AND TWO-TONE SPRAY BOOTHS

Prior to entering the first color booth, the body is tacked and blown off with an ionizing air gun to remove all dust from the previous sanding operations. It is then transported by a floor conveyor to the first color booth. The main color booth is designed to process basecoat/clearcoat enamel on all metallics as well as straight shades (non basecoat/clearcoat) in the same booth.

These materials will be applied with conventional air atomizing spray guns. Four sprayers are utilized during the basecoat application process. The first team of sprayers will apply the first metallic basecoat to a film thickness of 0.3-0.5 mils followed by a 1.5-2.0-minute flash time. They will also be utilized on straight shades with the first coat being applied at approximately 0.5 mils. The second team of sprayers will then apply the second basecoat to all exterior surfaces to a film thickness of 0.2-0.4 mils. The second coat of straight shades will also be applied at this time to a film thickness of 0.7-0.8 mils. The unit then proceeds through a 4-5-minute flash zone prior to first clearcoat application or third coat on solid colors. A team of three sprayers is used in the second half of the booth to apply two coats of clearcoat or the final coat on straight shades.

The first clearcoat is applied as a wet coat to a film thickness of approximately 0.9-1.1 mils (for straight shades the final coat is applied at this point). The unit will flash for approximately 1.5-2.0 minutes prior to application of the second and final clearcoat. The

second clearcoat is applied to all exterior surfaces to a film thickness of 0.6-0.8 mils. The body enters an 8-10-minute flash zone prior to a 30-minute @ 250°F bake schedule. Following the first color oven, the upper portion of the unit is masked and taped off prior to the second color booth (two-tone). A template will be used to mark off for two-tone break line prior to masking operations. The lower area (two-tone area) will be scuff-sanded to remove all gloss from the prior clearcoat. The unit will be tacked off, followed by an ionized blow-off basecoat and clearcoat applied in the same manner as previously described under first color booth operations. Prior to entering the second color oven, it will be demasked and all overspray wiped off with solvent before it enters the oven. The film build requirements and flash times are consistent with the first color booth.

BLACK OUT AND FIRST IN-LINE REPAIR BOOTH

Following exit from the second color oven, the body is inspected for bond cracks, pits, porosity, paint defects, etc. and any repairs are made to the substrate. Blackout enamel is then applied to the specified areas. The unit is masked, sanded and repaired in line for paint defects. The blackout booth will allow for minor paint repairs, e.g., the lower accent color on two-tones or any areas not affected by the blackout operations. Extensive masking will be required over the complete vehicle except areas to be paint-repaired. Areas to be repaired in the same processing sequence as applied in first color booth. The unit will be demasked and all non-repaired areas solvent-wiped to remove traces of overspray prior to bake (30 mins. @ 250°F).

SECOND IN-LINE REPAIR AND IN-LINE POLISH BOOTH

Prior to entering the major paint repair booth, surfaces are inspected 100% and defects on substrate and paint noted. Paint-defects are sanded with 600-grit paper over the entire panel.

continued next page

Body Features continued from page 11.

Material will be applied in the same manner as detailed in the first color booth. The unit will be demasked and all unrepaired areas solvent-wiped prior to in-line repair bake. (30 minutes @ 260°F).

As the unit exits the in-line repair oven, it will be cooled down to room temperature, using a chiller to allow for ease of polishing. Polishing procedures follow:

POLISHING PROCESS FOR BASECOAT/CLEARCOAT AND STRAIGHT SHADE ENAMELS

The following polishing process and materials were developed for Corvette utilizing basecoat/clearcoat enamel on metallics and current T&C quality enamel on straight shades (non-basecoat/clearcoat):

1. Wet sand any defect (dirt, sags, etc.) on the cured paint film with ultrafine wet or dry color sanding paper using a water and soap solution sanding media. (2% mild liquid soap and water). NOTE: Sandpaper is allowed to soak in water and soap solution at least 1/2 hour before using.
2. Wrap the sandpaper around a sponge pad and sand with the paper and pad. The sponge pad will allow for uniform sanding without causing severe sand scratches (especially on non-clearcoated straight shades).
3. Wipe area sanded clean with a damp cheesecloth.
4. Dab on a special polishing compound with a brush (3 dabs per 3-ft.-sq. area).
5. Using a 2000 RPM polish wheel with a 8" rough-cut cotton polish pad (3/8" diameter), begin polishing on sanded areas, then complete compound polishing on entire panel.
6. Use a clean dress-up (lamb's-wool type) polish pad with liquid polish — 8-10 drops per 3-ft.-sq. area.

FINAL PAINT REPAIR AND POLISH BOOTH

The final paint process system is designed to accommodate the necessary repair of entire units

except for elastomeric parts. An area is designated for bond repair and/or major repair and polishing operations. This area will be isolated from the final paint repair line.

The final paint repair line will be utilized to repair minor substrate imperfections, i.e., pin holes, chips or small cracks. A special filler will be used to repair these defects prior to paint repair. The repair area will then be sanded and (remaining unrepaired surfaces) masked in preparation for repair primer. After application of the repair primer, the unit enters the repair primer oven for a 10 min. @ 160°F bake.

As the unit exits the primer oven, it will be sanded, wiped, masked, taped and will proceed through an ionized blowoff prior to entering the color repair spray booth.

Application, processing parameters, and film build requirements will be the same as in the basic paint system. Complete panel repair will be specified to facilitate a quality repair. The unit will then enter the final repair oven for the specified low bake of 27 min. @ 180°F. (Ambient)

Recirculating systems will be utilized in the final repair booth to facilitate consistent color match relative to the unrepaired areas on the vehicle.

As the unit exits the final repair oven, it will travel across a "chiller" to expedite cooling of the vehicle, whereby necessary polishing operations can be performed. The unit will then be delivered to the shipping line. NOTE: Only rough-cut polishing and selective spot-sanding will be specified on repaired areas only in the final paint-repair polish booth.

SHIPPING LINE

The shipping line will be equipped with an automatic washer and dryer to remove any dirt or residue from the vehicle. It will then be inspected for any paint or substrate defects. Any defects noted will be reported on a paint inspection ticket. The vehicle will then be delivered back to the final paint repair line for necessary repairs.

If no defects are noted, the units will

undergo a final dress-up polish operation if necessary, per Chevrolet specifications. All required decals will then be installed, any touch up and shipping aids will then be applied to the vehicle. The rear window garnish moldings will be installed prior to final shipping.

ELASTOMERIC (FLEXIBLE R.I.M.) BUMPER PAINT PROCESS

All bumpers will be received primed from manufacturing source. They will be inspected and sorted for any defects. Only good quality bumpers will be scheduled on the bumper paint line for color coat. The primed bumpers will be selectively sanded with 1200-grit sandpaper to remove any dirt particles. They will be tacked and undergo an ionized blow-off prior to entering the spray booth.

A flexible elastomeric basecoat/clearcoat is used on metallics. The non-metallics will be current Durethane 300-type material. These materials are being developed to allow for optimum color match between the body and the bumper.

The processing and application to be utilized with these elastomeric paint materials will be slightly different from the body paint system. A longer flash time is required between application of basecoat/clearcoat metallics and non-metallics. All non-metallic bumpers receive four coats of paint with a specified film build of 1.4-1.8 mils. The film build requirements on basecoat/clearcoat are 0.6-0.9 basecoat and 1.4-1.8 on clearcoat.

The flash time between first and second basecoats is 3.0 minutes. Flash time between basecoat and first clearcoat is 5 minutes; the specified flash time between first and second clearcoat is 3.0 minutes followed by a 14-15 minute flash prior to a bake of 37 minutes at 250°F.

The bumpers will then be inspected. Any defects will be repaired by processing through the same system. A bank of painted bumpers will be maintained to replace any defective bumpers. Therefore, only quality painted bumpers will be delivered to production for assembly.

POWER TEAMS

Engine	RPO No.	Power Rating*	Displacement (cubic inches)	Engine Availability	Transmission Rear Axle Ratios
					Automatic RPO MX1 Std.

ALL STATES EXCEPT CALIFORNIA
(with Standard Emissions System — RPO V45)

5.7 Liter CFI V8 **	L83	200	350	Std.	2.87
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CALIFORNIA ONLY
(with California Emissions Requirements — RPO YF5)

5.7 Liter CFI V8 **	L83	NA ***	350	Std.	2.87
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*S.A.E. net horsepower as installed **Cross-Fire Injection ***Number not available at time of printing Std. — Standard

(A) Produced by GM — Chevrolet Motor Division.

See EPA section for mileage estimates.

DIMENSIONS/SPECIFICATIONS

EXTERIOR DIMENSIONS

Wheelbase	98.0
Length (overall)	185.3
Width (overall)	69.0
Height (loaded)	48.0
Front tread	58.7
Rear tread	59.5
Minimum ground clearance	3.9

INTERIOR ROOMINESS

Head room	36.2
Leg room	42.1
Shoulder room	47.5
Hip room	49.9

LUGGAGE CARGO COMPARTMENT

Usable luggage space (cu. ft.)	8.4
--------------------------------	-----

FUEL TANK CAPACITY (gallons)

	24.0
--	------

CURB WEIGHT (pounds)

Coupe	3342
Collector Edition	3351

See Dealer Order Guide for latest available information.

Corvette 13



ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description	Option Number	Description
AG9	SEAT, POWER: Six-Way	UL5	RADIO EQUIPMENT: Radio Delete
AU3	DOOR LOCK SYSTEM, POWER	UM4	RADIO EQUIPMENT: Electronically Tuned Stereo Radio with 8-Track
B3W	PRELIMINARY PRICE INFORMATION	UM6	RADIO EQUIPMENT: Electronically Tuned Stereo Radio with Cassette Tape
CC1	ROOF PANELS: Removable Glass	UN5	RADIO EQUIPMENT: Electronically Tuned Stereo Radio with C.B. and Cassette Tape
C49	DEFOGGER, REAR WINDOW: Electric	U58	RADIO EQUIPMENT: AM/FM Stereo Radio
DG7	MIRRORS: Sport, Electric Twin Remote	U75	RADIO EQUIPMENT: Power Antenna
D60	NON-RECOMMENDED COLOR COMBINATION	V08	COOLING, HEAVY-DUTY
D84	PAINT: Custom Two-Tone	V54	CARRIER: Roof Panel
FE7	SUSPENSION EQUIPMENT: Suspension, Gymkhana	YF5	EMISSION SYSTEM: California Emission Requirements
K35	SPEED CONTROL, AUTOMATIC: With Resume Speed	13M	ACCENT COLOR: Silver Metallic
L83	ENGINE: 5.7 Liter Dual C.F.I. V8	26M	ACCENT COLOR: Dk Blue Metallic
NA5	EMISSION SYSTEM: Standard Emission Equipment	39M	ACCENT COLOR: Charcoal Metallic
N90	WHEELS, ALUMINUM	99M	ACCENT COLOR: Dk Claret Metallic
QGQ	TIRES: P225/70 R-15 B/W (Radial)		
QGR	TIRES: P225/70 R-15 W/L (Radial)		
QXH	TIRES: P255/60 R-15 W/L (Radial)		

CORVETTE COLLECTOR EDITION H/B COUPE

COLOR AND TRIM SELECTION

Interior Trim Color	Silver Beige
MODEL	SEAT TYPE
1YY07	Full Leather Bucket
BUU2	

Exterior Paint Color	Color Code		
	L	U	
Sivr. Beige, Corvette(Met)	59	59	R

L = Lower U = Upper

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

ENGINE OPTION CONDITION	AXLE RATIO
	2.87
WITH NA5 STANDARD EMISSIONS	
L83	Std
WITH YF5 CALIFORNIA EMISSIONS	
L83	Std

CORVETTE COLLECTOR EDITION H/B COUPE

REFER WEEKLY STOPS/LATEST UPDATE

MODEL
1YY07 Corvette Collector Edition Hatchback Coupe
(Incls Power Antenna, Electric Rear Window Defogger, Special Paint, Glass Roof Panels, Special Wheels and P255/60 R-15 White Lettered Tires)

ENGINES: MUST ORDER ONE (See Power Teams)

STANDARD EMISSION EQUIPMENT (Also Satisfies High Altitude Requirements)—REQUIRES NA5
_____ L83 5.7 Liter Dual C.F.I. V8

CALIFORNIA EMISSION EQUIPMENT—REQUIRES YF5
_____ L83 5.7 Liter Dual C.F.I. V8

EMISSION SYSTEMS: MUST ORDER ONE (See Above)

_____ NA5 STANDARD EMISSION EQUIPMENT

_____ YF5 CALIFORNIA EMISSION REQUIREMENTS

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
_____	V54	CARRIER: Roof Panel
_____	V08	COOLING, HEAVY-DUTY
455	AU3	DOOR LOCK SYSTEM, POWER
455	DG7	MIRRORS: Sport, Electric Twin Remote
_____	B3W	PRELIMINARY PRICE INFORMATION
_____		RADIO EQUIPMENT:
_____	U58	—AM/FM Stereo Radio
_____	UM4	—Electronically Tuned Stereo Radio w/8-Track
455	UM6	—Electronically Tuned Stereo Radio w/Cassette Tape
_____	UN5	—Electronically Tuned Stereo Radio w/C.B. and Cassette Tape with Tri-Band Power Antenna
_____	UL5	—Radio Delete
455	AG9	SEAT, POWER: Six-Way (Driver's side only)
455	K35	SPEED CONTROL, AUTOMATIC: With Resume Speed
_____	FE7	SUSPENSION GYMKHANA: Front and Rear

QUICK-SPEC

		4
		5
		5
		A
Door Lock System, Power	AU3	x
Mirrors, Electric Twin Remote, Sport . . .	DG7	x
Radio, Electronically Tuned Stereo w/Cassette Tape	UM6	x
Seat, Power	AG9	x
Speed Control with Resume Speed	K35	x

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	Dk Blue	Camel	Charcoal	Dk Red	Slvr.Gray	Slvr.Grn	
MODEL	SEAT TYPE						
1YY87	Leather Faced Bucket	ADD2	ACC2	ABB2	ARR2	AQQ2	AGG2
	Cloth Bucket	HDD2	HCC2		HRR2	HQQ2	

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

Exterior Paint Color	Color Code L U	Accent Color and Ordering Code #	Dk Blue	Camel	Charcoal	Dk Red	Slvr.Gray	Slvr.Grn
Blue, Silver (Met)	24 24	Dk Blue (Met) 26M	R				A	
Silver (Met)	13 13	Dk Claret (Met) 99M				R	R	
Silver (Met)	13 13	Charcoal (Met) 39M			R	A	R	
White	10 10	Silver (Met) 13M			R		R	

= Must be Ordered

WITHOUT D84 CUSTOM TWO-TONE PAINT

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

Black	19 19		R	R	R	R	R	R
Blue, Corvette Bright(Mt)	31 31		R	R	R		R	
Blue, Corvette Dark (Met)	26 26		R	R			R	
Blue, Corvette Slvr(Met)	24 24		R		R		A	
Charcoal, Corvette (Met)	39 39				R	R	R	
Claret, Corvette Dark(Mt)	99 99			R		R	R	
Gold, Corvette (Met)	56 56			R	R			
Green, Corvette Slvr(Met)	40 40				R			R
Red, Corvette	70 70			R	R	R	R	
Silver, Corvette (Met)	13 13		R		R	R	R	
White, Corvette	10 10		R	R	R	R	R	R

PIN STRIPING WITH D84 CUSTOM TWO-TONE PAINT

Exterior Paint Color	Color Code L U	Accent Color and Ordering Code	Stripe (Included)
Blue, Silver (Met)	24 24	Dk Blue (Met) 26M	@Blue
Silver (Met)	13 13	Dk Claret (Met) 99M	#Gray
Silver (Met)	13 13	Charcoal (Met) 39M	Gray
White	10 10	Silver (Met) 13M	Gray

L = Lower

U = Upper

@Stripe Color will be Gray with Silver Gray Interior

#Stripe Color will be Red with Dk Red Interior

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

ENGINE OPTION CONDITION	AXLE RATIO
	*2.72
WITH NA5 STANDARD EMISSIONS	
L83	Std
WITH YF5 CALIFORNIA EMISSIONS	
L83	Std

*Axle Ratio is 2.87 With N90 Aluminum Wheels

CORVETTE

REFER WEEKLY STOPS/LATEST UPDATE

MODEL
1YY87 Corvette Coupe

ENGINES: MUST ORDER ONE (See Power Teams)

STANDARD EMISSION EQUIPMENT (Also Satisfies High Altitude Requirements)—REQUIRES NA5
L83 5.7 Liter Dual C.F.I. V8

CALIFORNIA EMISSION EQUIPMENT—REQUIRES YF5
L83 5.7 Liter Dual C.F.I. V8

EMISSION SYSTEMS: MUST ORDER ONE (See Above)

NA5 STANDARD EMISSION EQUIPMENT

YF5 CALIFORNIA EMISSION REQUIREMENTS

QUICK-SPEC

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

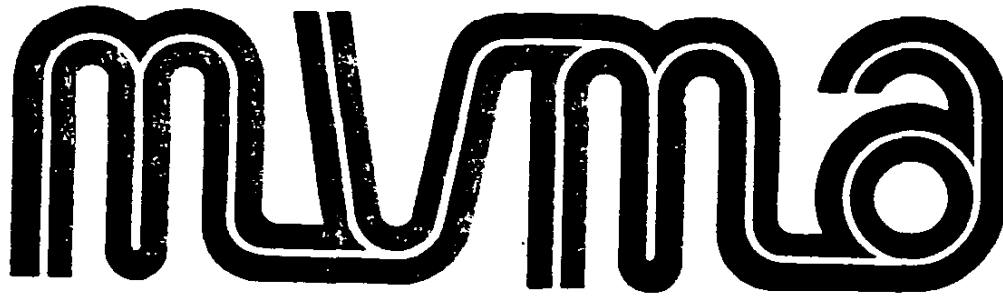
Defogger, Rear Window Electric	C49	4	4
Door Lock System, Power	AU3	5	5
Radio, Electronically Tuned Stereo with 8-Track	UM4	0	1
Seat, Power	AG9	A	A
Speed Control with Resume Speed	K35		
Tires, P225/70 R-15 W/L	QGR	x	N/I
Wheels, Aluminum	N90	x	x
Antenna, Power	U75		x
Mirrors, Electric Twin Remote, Sport	DG7		x
Radio, Electronically Tuned Stereo w/Cassette Tape	UM6		x
Roof Panels, Removable Glass	CC1		x
Tires, P255/60 R-15 W/L	QXH		x

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
—	V54	CARRIER: Roof Panel
—	V08	COOLING, HEAVY-DUTY
450	C49	DEFOGGER, REAR WINDOW: Electric
450	AU3	DOOR LOCK SYSTEM, POWER
451	DG7	MIRRORS: Sport, Electric Twin Remote
—	D84	PAINT: Custom Two-Tone (Refer Page 4 for Exterior Paint Availability)
—	B3W	PRELIMINARY PRICE INFORMATION
—	U58	RADIO EQUIPMENT:
—	—	AM/FM Stereo Radio
450	UM4	Electronically Tuned Stereo Radio w/8-Track
451	UM6	Electronically Tuned Stereo Radio w/Cassette Tape
—	UN5	Electronically Tuned Stereo Radio w/C.B. and Cassette Tape with Tri-Band Power Antenna
—	UL5	Radio Delete
451	U75	Power Antenna (N/A UN5 Radio or UL5 Radio Delete)
451	CC1	ROOF PANELS: Removable Glass
450	AG9	SEAT, POWER: Six-Way (Driver's side only)
450	K35	SPEED CONTROL, AUTOMATIC: With Resume Speed
—	FE7	SUSPENSION, GYMKHANA: Front and Rear
—	—	TIRES: (B/W: Blackwall, W/L: White Lettered)
—	—	Steel Belted Radial Ply
—	QGG	—P225/70 R-15 B/W (Base)
450	QGR	—P225/70 R-15 W/L
451	QXH	—P255/60 R-15 W/L
450	N90	WHEELS, ALUMINUM

NOTES

ORIGINAL COPY



Specifications
Form
Passenger Car

1982
METRIC (U.S. Customary)

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line CORVETTE	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	Model Year 1982	Issued: AUGUST, 1981
		Revised (*) - APRIL, 1982

NOTE: Sheets revised - 19, 25, 29.

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by 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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2	Power Teams
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23	Vehicle Mass-(Weight)
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30-34	Car and Body Dimension Key Sheets
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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. A printed or computer tape supplement containing additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) 10-81

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	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 Sport Coupe	1YY87	2	68.0 (150.0)
2-Door Hatchback Coupe	1YY07	2	68.0 (150.0)

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

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) 10-81

Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO		
	Displ. Liters (in ³)	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM			Exhaust System*	(std. first) (Indicate A/C ratio)	
				kW (bhp)	Torque N - m (lb. ft.)			Base	Opt.
Base - All States	V8 5.7 (350) (L83)	TBI	9.0:1	200@ 4200	285@ 2800	D	Auto '700-R4'-Base	2.72:1	2.87:1*

TBI - Throttle Body Injection.
 * - Available only with aluminum wheels, RPO N90.

*S - Single D - Dual

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 Liter V8 (350 CID)
 Throttle Body Injection
 RPU 183

ENGINE - GENERAL

Type (inline, V and angle flat)	90°, "V"	
Location (front, mid, rear)	Front	
Engine installation position (transverse, longitudinal)	Longitudinal	
Number of mtg points	Front	Two
	Rear	One
No. of cylinders	8	
Bore	101.6 (4.00)	
Stroke	88.4 (3.48)	
Piston displacement cm ³ (in ³)	5735 (350)	
Bore spacing (c/f to c/f)	111.8 (4.40)	
Cylinder block material	Cast Alloy Iron	
Cylinder block deck height	229.4 (9.03)	
Deck clearance (minimum) (above or below block)	.025 Below	
Cylinder head material	Cast Alloy Iron	
Cylinder head volume - cm ³	73.27	
Head gasket thickness (compressed)	.021	
Head gasket volume - cm ³	4.60	
Minimum combustion chamber 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)	Unleaded	
Fuel antiknock index (R + M)	87	
2		
Total dressed engine mass (wt) dry*	264.8 (584)	

*Dressed engine mass (weight) includes to following:

**Rear of engine - drive takeoff.

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

SAE J2000 Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 Liter V8 (350 CID)
 Throttle Body Injection
 RPO 183

Engine - Pistons

Material		Cast Aluminum Alloy
Description and finish (flat, dished, dome, etc.)		Closed Skirt, Sump Head
Mass. g (weight. oz.) - Piston Only		606 (21.24)
Clearance (limits)	Top land	.762-.838 (.030-.033)
	Skirt	Top
		Bottom
Ring groove diameter	No. 1 ring	89.94-90.32 (3.541-3.556)
	No. 2 ring	89.94-90.32 (3.541-3.556)
	No. 3 ring	90.86-91.24 (3.577-3.592)

Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.	Compression
	No. 2. oil or comp.	Compression
	No. 3. oil or comp.	Oil
Compression	Description - material, coating, etc.	Upper Radius Face, Molybdenum filled channel Lower tapered face, Inside Bevel
	Width	1.963-1.981 (.0773-.0780)
	Gap	Upper-.25-.51(.010-.020); Lower .33-.63 (.013-.025)
Oil	Description - material, coating, etc.	Stainless Steel-50, .051 (.002") minimum chrome
	Width	4.700-4.75 (.185-.187)
	Gap	.38-1.40 (.015-.055)
Expanders		In oil ring assembly

Engine - Piston Pins

Material		Chromium steel 1018
Length		75.95-76.15 (2.990-3.010)
Diameter		23.546-23.553 (.9270-.9273)
Type	Locked in rod, in piston, floating, etc.	Locked in rod
	Bushing	In rod or piston
		Material
Clearance	In piston	.0063-.0089 (.00025-.00035)
	In rod	--
Direction & amount offset in piston		Major thrust side - 1.52 (.060)

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

Car Line CORVETTE
 Model Year 1982 Issued _____ Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Engine - Connecting Rods

Material		1037 or 1038 steel
Mass, g (weight, oz.)		604.47 (21.32)
Length (center to center)		144.6-144.9 (5.695-5.705)
Bearing	Material & type	Premium Aluminum
	Overall length	21.26 (.837)
	Clearance (limits)	.0254-.0635 (.0010-.0025)
	End play	.15-.41 (.006-.016)

Engine - Crankshaft

Material		Nodular cast iron	
Vibration damper type		Rubber mounted inertia	
End thrust taken by bearing (no.)		5	
Crankshaft end play		.051-.178 (.002-.007)	
Main bearing	Material & type	Steel backing with aluminum alloy lining	
	Clearance	.0508-.0889 (.002-.0035)	
	Journal dia. and bearing overall length	No. 1	62.202x20.37 (2.4489x.802)
		No. 2	62.194x20.37 (2.4486x.802)
		No. 3	62.194x20.37 (2.4486x.802)
		No. 4	62.194x20.37 (2.4486x.802)
		No. 5	62.189x38.94 (2.4484x1.533)
		No. 6	--
		No. 7	--
Dir. & amt. cyl. offset			
No. bolts/main brg. cap	2		
Crankpin journal diameter		53.28-53.33 (2.0978-2.0998)	

Engine - Camshaft

Location		In block above crankshaft	
Material		Cast alloy iron	
Bearings	Material	Steel backed babbitt	
	Number	5	
	Gear, chain or belt	Chain	
Type of drive	Crankshaft gear or sprocket material	Sintered iron	
	Camshaft gear or sprocket material	Aluminum nylon	
	Timing chain	No. of links	46
	Chain or belt	Width	15.87 (.625)
Pitch		12.7 (.500)	

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard		
Valve rotator, type (intake, exhaust)		Exhaust		
Push rods (dia., length, material)		7.9 x 196.2 (.3125 x 7.724), Welded Steel Tubing, Carbonitrided		
Rocker ratio		1.50:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero		
	Exhaust	Zero		
Timing (based on top of ramp points)	Intake	Opens (°BTC)	32	
		Closes (°BTC)	104	
		Duration (deg.)	316	
	Exhaust	Opens (°BTC)	84	
		Closes (°BTC)	56	
		Duration (deg.)	320	
Valve open overlap (deg.)		88		
Intake valve	Material		SAE 3140a, Forged steel, chrome flash stem	
	Overall length		123.95 (4.880)	
	Actual overall head dia		49.28 (1.940)	
	Angle of seat & face (deg)		46.45	
	Seat insert material		None	
	Stem diameter		8.661-8.679 (.3410 - .3417)	
	Stem to guide clearance		.025-.069 (.0010 - .0027)	
	Lift (at zero lash)		10.41 (.410)	
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	338-374 @ 43.2 (76-84 @ 1.70)	
		Valve open— N at mm (lb. at in.)	863-916 @ 31.75 (194-206 @ 1.25)	
	Inner spring press. & length	Valve closed— N at mm (lb. at in.)	Spring Damper	
		Valve open— N at mm (lb. at in.)	Spring Damper	
	Exhaust valve	Material		21-2N steel, aluminized head, chrome flash stem
		Overall length		125.0 (4.920)
Actual overall head dia		38.1 (1.50)		
Angle of seat & face (deg)		46.45		
Seat insert material		None		
Stem diameter		8.661-8.679 (.3410-.3417)		
Stem to guide clearance		.025-.069 (.0010-.0027)		
Lift (at zero lash)		10.74 (.423)		
Outer spring press. & length		Valve closed— N at mm (lb. at in.)	338-374 @ 43.2 (76-84 @ 1.70)	
		Valve open— N at mm (lb. at in.)	863-916 @ 31.75 (194-206 @ 1.25)	
Inner spring press. & length		Valve closed— N at mm (lb. at in.)	Spring Damper	
		Valve open— N at mm (lb. at in.)	Spring Damper	

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPU L83

Engine – Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Centrifugally oiled from camshaft bearing
	Cylinder walls	Pressure
Oil pump type	Gear	
Normal oil pressure-kPa (psi) at engine rpm	310 (45)	
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)	
Oil grade recommended (SAE viscosity and temperature range)	Minus 6.6°(20°F) & Above Minus 17.7°C to +15.5°C (0 to 60°F) Minus 6.6°C(20°F) & Below	
	20W-20, 10W-30, 10W-40, 20W-40, 20W-50 10W, 5W-30, 10W-40, 10W-30 5W-20, 10W-30	
Engine service reqmt (SD, SE, etc)	SF	

Engine – Exhaust System

Type (single, single with cross-over, dual, other)	Dual	
Muffler no. & type (reverse flow, straight thru, separate resonator)	Two, Reverse Flow	
Resonator no. & type	None	
Exhaust pipe	Branch OD, wall thickness	69.85 x 1.143 (2.75 x .045)
	Main OD, wall thickness	76.2 x 1.83 (3.0 x .072)
	Material	Laminated stainless steel tubing *
Inter-mediate pipe	OD & wall thickness	63.5 x 1.83 (2.50 x .072)
	Material	Aluminum coated steel
Tail pipe	OD & wall thickness	57.15 x 1.83 (2.25 x .072)
	Material	Aluminum coated steel

* - 4.064 mm (.16") air gap between pipes

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) 10-81

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection	
Fuel tank	Refill capacity — L (US gals.)	90.9 (24) Approximately	
	Filler location	Center of Rear Deck	
Fuel pump	Type (elec or mech)	Electric	
	Locations	In fuel tank	
	Pressure range — kPa (psi)	--	
Carburetor	Mfr. & model	None	
	Choke type	None	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Standard	Replaceable paper element, single snorkel
		Optional	--
	Idle spd. -rpm (spec neutral or drive)	Manual	--
Propane (neu.)		--	
Automatic		500	
	Propane (neu.)	--	
Idle A/F mix		--	

Engine — Diesel Information

Glow plug		NOT
Injector nozzle	Type	APPLICABLE
	Opening pressure — kPa. (psi)	--
Pre-chamber design		--
Fuel injection pump	Manufacturer	--
	Type	--
Supplementary vacuum source (type)		--

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Engine - Cooling System

Coolant recovery system (std., opt., none)		Standard	
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	
	GPM 1000 pump rpm	--	
	Number of pumps	One (1)	
	Drive (V-belt, other)	V-Belt	
Bearing type		Sealed Double Row Ball	
By-pass recirculation type (inter., ext.)		Internal	
Radiator core type (cross-flow vertical, cellular, tube and fin, other)		Crossflow, Tube & Center	
Cooling system capacity (e)	With heater—L(qt.)	20.4 (21.6)	
	Without heater—L(qt.)	Heater Standard Equipment	
	Opt. equipment—specify—L(qt.)	20.4 (21.6)	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator (hose)	Lower	Number and type (molded, straight)	One, Molded
		Inside diameter	38.1 (1.50)
	Upper	Number and type (molded, straight)	One, Molded
		Inside diameter	31.75 (1.25)
	By-pass	Number and type (molded, straight)	None
		Inside diameter	--
Radiator (core)	Standard	Width	668.0 (26.3)
		Height	429.7 (16.9)
		Thickness	40.2 (1.58)
	A/C	Width	--
		Height	--
		Thickness	--
	Heavy duty	Width	668.0 (26.3)
		Height	431.0 (17.0)
		Thickness	68.1 (2.68)
Fan (standard)	Number of blades & type - flex/solid		5, Staggered (*)
	Diameter		457.2 (18.0)
	Ratio - fan to crankshaft rev.		1.24
	Fan cutout type		Clutch
	Drive type-number of fans		V-Belt - One
Fan (optional)	No. of blades and spacing		--
	Diameter		No
	Ratio - fan to crankshaft rev.		Optional
	Fan cut-out type		Fan
	Drive type-number of fans		--

(*) Auxiliary electric cooling fan standard equipment.

(**) Base transmission

(e) With air conditioning, base equipment.

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Vehicle Emission Control

	Type (air injection, engine modifications, other)	Air Injection w/Computer Command Control	
	Air Injection Pump	Type	Vane
Displacement—cm ³ (in ³)		311.4 (19)	
Drive ratio		1.53	
Drive type		V-Belt	
Relief valve (type)		--	
Filler (describe)		--	
Air Injection System	Air distribution (head, manifold, etc.)	--	
	Point of entry	--	
	Injection tube id	--	
	Check valve type	--	
	Backfire protection (type)	--	
Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled Flow	
	Valve type	Vacuum Modulated Shut-Off & Metering Valve	
	Valve location	Right Rear at Manifold	
	Control energy source	Carburetor Vacuum	
	Exhaust source	Manifold Exhaust Crossover	
	Exhaust cooler type	None	
	Orifice no and size	One	
	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold	
Catalytic Converter System	Catalyst	Type	Platinum - Palladium
		Volume—L(in ³)	2.786 (170)
	Substrate type	Dual Bed	
	Container location	Beneath Underbody, Below Passenger Seat	
Other	Carburetor Hot Air	Thermostatically controlled air cleaner	
		Inlet valve regulates and mixes heated	
		air with incoming cold air to reduce	
		carbon emission.	
		--	
		--	
		--	

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Vehicle Emission Control (continued)

	Type (ventilates to atmos. induction system, other)	Standard	Induction System
		Optional	--
Crankcase Emission Control	Control unit	Make and Model	AC
		Location	--
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum
	Complete system	Control method (variable orifice, fixed orifice, other)	Variable Orifice
		Discharges (to intake manifold, other)	Inlet Manifold
		Air inlet (breather cap, other)	--
		Flame arrestor (screen, other)	Screen
Evaporative Emission Control	Fuel tank	Thermal expansion volume—dm ³ (ft ³)	Approx. 10% of Refill Capacity
		Relief pressure kPa (psi) and location	--
		Vacuum relief kPa (psi) and location	--
		Vapor-liquid separator type	Integral with Fuel Tank
		Vapor vented to (crankcase, canister, other)	Canister
	Carbu- retor	Vapor vented to (crankcase, canister, other)	Canister
			--
	Vapor storage	Storage provision (crankcase, canister, other)	Canister
		Volume—dm ³ (ft ³) or capacity (grams)	--
		Control valve type	Approx. 50 Grams Storage Capacity
		--	

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Electrical - Supply System

Battery	Make and model		Delco 'Freedom II'
	Voltage reg. - V - & total plates		12V
	SAE designation no. and/or capacity		115 Minute Reserve Capacity
	Location		Storage Compartment Near of Driver
Generator or alternator	Make		Delco Remy
	Model		1103103
	Type and rating		63*
	Output at engine idle (neutral) A		--
	Ratio - gen. to crts rev.		--
Regulator	Make		Delco Remy
	Model		--
	Type		Micro Circuit Unit; Integral with Distributor
	Regulated	Voltage	--
		Current A	--
	Voltage test conditions	Temperature - °C (°F)	--
		Load A	--
Other		--	

Electrical - Starting System

Starting motor	Make		Delco Remy	
	Model		1998247 (ICM Type 707)	
Motor drive	Engagement type		Positive Shift Solenoid	
	Pinion engages from (front, rear)		Rear	
	Number of teeth	Pinion		9
		Flywheel	Manual	--
			Auto	168

* - 70 amp standard with TV07

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (e) 10-81

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Electrical - Ignition System

Type	Conventional—std., opt., n.a.	--	
	Transistorized—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	R45TS	
	Thread (mm)	14	
	Tightening torque—N-m (lb. ft.)		
	Gap	1.43 (.045)	

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.

Electrical - Instruments and Equipment

Speed-ometer	Type	Circular Dial with Pointer
	Trip odometer (std., opt., n.a.)	Standard
EGR maintenance indicator		Not Available
Charge indicator	Type	Voltmeter
	Warning device	Generator Warning Lamp
Temperature indicator	Type	Electric Gauge
	Warning device	Not Available
Oil pressure indicator	Type	Electric Gauge
	Warning device	Not Available
Fuel indicator	Type	Electric Gauge
	Warning device	Low Fuel Warning Lamp
Wind-shield wiper	Type - standard	Electric, Two-Speed Intermittent System Standard
	Type - optional	None
	Blade length	403.0 (16.0)
	Swept area - cm ² (in. ²)	4302 (667.0)
Wind-shield washer	Type - standard	Pushbutton - Manual
	Type - optional	None
	Fluid level indicator	Not Available
Horn	Type	Vibrator
	Number used	Two
Other	Tachometer/Anti-theft alarms; parking brake warning light and brake failure warning lights; restraint system warning light and buzzer. "Choke" warning lamp in tach "check engine" warning lamp - in center console (Calif.) halogen high beam (inner) headlamps standard.	

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Drive Units - Clutch (Manual Transmission)

Make & type		NOT AVAILABLE
Type pressure plate springs		AVAILABLE
Total spring load—N (lb.)		--
No. of clutch driven discs		--
Clutch facing	Material	--
	Manufacturer	--
	Part number	--
	Rivets/plate	--
	Rivet size	--
	Outside & inside dia.	--
	Total eff. area—cm ² (in. ²)	--
	Thickness	--
Release bearing	Type & method of lubrication	--
	Method: springs, friction material	--

Drive Units - Transmissions

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

Drive Units - Manual Transmission

Number of forward speeds		NOT AVAILABLE	
Transmission ratios	In first	AVAILABLE	
	In second	--	
	In third	--	
	In fourth	--	
	In fifth	--	
	In overdrive	--	
	In reverse	--	
	Synchronous meshing, specify gears		--
Shift lever location		--	
Lubricant	Capacity—L (qt.)		--
	Type recommended		--
	SAE viscosity number	Summer	--
		Winter	--
		Extreme cold	--

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb.
 Engine Code

5.7 LITER V8 (350 CID)
 THROTTLE BODY INJECTION
 RPO L83

Drive Units – Automatic Transmission

Trade name		3-Speed Automatic
Type (describe)		Torque Converted With Planetary Gears '700-R4'
Selector	Location	Floor Mounted In Console
	Ltr./No. designation	P-R-N-D-3-2
Gear ratios	R	2.29
	D	.70
	3	1.00
	2	1.63
	1	3.06
Max upshift speed—drive range—km/h (mph)		--
Max kickdown speed—drive range—km/h (mph)		--
Min overdrive speed—km/h (mph)		--
Torque converter	Number of elements	3
	Max ratio at stall	2.0
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity—refill—L (pt.)	3.8 (8.0)
	Type recommended	Dexron II
Special transmission features		Torque Converter Clutch, 2nd, 3rd & 4th GEAR LOCK-UP

Drive Units – Axle or Front Wheel Drive Unit

DANA 44

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		--	
No of differential pinions		Two	
Pinion adjustment (shim, other)		None	
Pinion bearing adj. (shim, other)		Shim	
Driving wheel bearing type		Tapered Roller	
Lubricant	Capacity—L (pt.)	1.8 (3.75)	
	Type recommended	GL-5 Gear Lubricant	
	SAE viscosity number	Summer	80W or 80W-90
		Winter	80W or 80W-90
Extreme cold		80W or 80W-90	

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

Axle ratio or overall ratio		2.87:1	2.72:1
No of teeth	Pinion	15	
	Ring gear or gear	43	
Ring gear O.D.		216 (8.50)	
Transaxle	Transfer gear ratio		
	Final drive ratio		

AVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car Line CORVETTE

Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb.
Engine Code

5.7 LITER V8 (350 CID)
THROTTLE BODY INJECTION
RPO L83

Drive Units - Propeller Shaft - Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight Tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		Not Available
	Manual 4-speed trans.		Not Available
	Manual 5-speed trans.		Not Available
	Overdrive		Not available
	Automatic transmission		63.5 x 636.5 x 1.65 (2.50 x 25.06 x .065)
Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting prepack)		--
Slip yoke	Type		Yoke
	Number of teeth		Auto Trans. - 26
	Spline o.d.		Auto. Trans. - 29.7 (1.17)
Universal joints	Make and mfg no.	Front	#1311
		Rear	#1318
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		Strap and Bolt
	Bearing	Type (plain, anti-friction)	
Lubric. (fitting, prepack)		Prepack	
Drive taken through (torque tube or arms, springs)			Torque Control Arms
Torque taken through (torque tube or arms, springs)			Torque Control Arms

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

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

2-DOOR SPORT COUPE 1YY87	2-DOOR HATCHBACK COUPE 1YY07
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Drive Units – Tires And Wheels (Standard)

Tires	Size, load range, ply		P225/70R15 (BW,WL)
	Type (bias, radial, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	240 (35)
		Rear-kPa (psi)	240 (35)
	Rev./mile—at 70 km/h (45 mph)		472 (760)
Wheels	Type & material		Short Spoke Spider, Steel
	Rim (size & flange type)		15 x 8
	Wheel offset		-12.7 (-0.50)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	120.7 (4.75)
Number & size		5 Hex Nuts, 7/16-20 UNF-2B	
Spare tire and wheel (same or other)		15 x 5 wheel; P195/80D15 Tire	

Drive Units – Tires And Wheels (Optional)

Size, load range, ply		P255/60R15 WL (*)
Type (bias radial, etc.)		Steel Belted Radial
Wheel type & material		Cast Aluminum
Rim (size, flange type, and offset)		15 x 8; -12.7 mm (-0.50 in)
Size, load range, ply		
Type (bias radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)		

Brakes – Parking

Type of control		Grip Handle Control
Location of control		On Tunnel, Between Seats
Operates on		Rear Brake Drums Inboard of Disc Rotors On Axle Shafts
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	165 (6.50)
	Lining size (length x width x thickness)	172.2 x 31.8 x 4.44 (6.78 x 1.25 x 0.175)

(*) P255/60R15 WL, is based on Collector's Edition, model 1YY07.

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Body Type And/OR
 Engine Displacement

2-Door Sport Coupe 1YY87	2-Door Hatchback Coupe 1YYU/
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Brakes - Service

Brake type (std., opt., n.a.)	Drum	Front	--		
		Rear	--		
	Disc	Front	Standard		
		Rear	Standard		
Self-adjusting (std., opt., n.a.)			Standard		
Special valving	Type (proportion, delay, metering, other)		Proportioning		
Power brake (std., opt., n.a.)			Standard		
Booster type (remote, integral, vac., hyd., etc.)			Integral		
Anti-skid device type (std., opt., n.a.)			Not Available		
Effective area - cm ² (in ²)*			483.2 (74.92)		
Gross lining area - cm ² (in ²)**			556.6 (86.30)		
Swept area - cm ² (in ²)**			3214.0 (498.30)		
Rotor	Outer working diameter	F	298 (11.75)		
		R	298 (11.75)		
	Inner working diameter	F	193.5 (7.62)		
		R	193.5 (7.62)		
	Thickness	F	31.8 (1.25)		
		R	31.8 (1.25)		
Material & type (vented/solid)	F	Cast Iron Vented			
	R	Cast Iron Vented			
Drum	Diameter (nominal)		--		
			--		
	Type and material		--		
Wheel cyl- inder bore	Front		47.6 (1.875)		
	Rear		34.9 (1.375)		
Master cylinder	Bore		28.6 (1.125)		
	Stroke		29.0 (1.14)		
Pedal arc ratio			3.51:1		
Line pressure at 445 N (100 lb.) pedal load - kPa (psi)			--		
Lining clearance per shoe	Front		Self Adjusting		
	Rear		Self Adjusting		
Brake lining	Front wheel	Bonded or riveted, rivets/seg		Riveted, 8	
		Rivet size		3.63 x 6.35 (.143 x .250)	
		Manufacturer		Delco Moraine	
		Lining code		--	
		Material		Molded Abestos	
		Size	Primary or out-board	137.2 x 49.0 x 10.41 (5.40 x 1.93 x .410)	
	Secondary or in-board		137.2 x 49.0 x 10.41 (5.40 x 1.93 x .410)		
	Shoe thickness (no lining)		12.7 (.500)		
	Rear wheel	Bonded or riveted, rivets/seg.		Riveted; 8	
		Manufacturer		Delco Moraine	
		Lining code		--	
		Material		Molded Asbestos	
		Size	Primary or out-board	137.2 x 49.0 x 10.41 (5.40 x 1.93 x .410)	
			Secondary or in-board	137.2 x 49.0 x 10.41 (5.40 x 1.93 x .410)	
Shoe thickness (no lining)		12.7 (.500)			

* Excludes rivet holes, grooves, chamfers, etc.

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

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

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

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) 4-82

2-Door Sport Coupe 1YY87	2-Door Hatchback Coupe 1YY07
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Steering

Manual (std. opt. n.a.)		Not Available		
Power (std. opt. n.a.)		Standard		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt & 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 (41.3)	
		Curb to curb (l & r.)	12.3 (40.4)	
	Inside rear	Wall to wall (l & r.)	--	
		Curb to curb (l & r.)	--	
Manual	Gear	Type	Not Available	
		Make	--	
		Ratios	Overall	--
	No wheel turns (stop to stop)		--	
	Power	Type (coaxial linkage, etc.)	Linkage, Power Pump Assisted	
Make		Saginaw Steering Gear		
Gear		Type	Semi-Reversible, Recirculating Ball Nut	
		Ratios	Gear	16.1:1
		Overall	17.6:1	
Pump driven by		'V' Belt		
No wheel turns (stop to stop)		2.58		
Linkage	Type	Parallelogram		
	Location (front or rear of wheels, other)	Rear		
	Drag links (trans or longit)	None		
Tie rods (one or two)		Two		
Steering axis	Inclination at camber (deg)		7.683 @ 5	
	Bearings (type)	Upper	Ball Stud with Non-Metallic Bearing Surface	
		Lower	Ball Stud with Non-Metallic Bearing Surface	
		Thrust	--	
Steering spindle & joint type		Steering Knuckle with Spherical Joint		
Wheel spindle	Diameter	Inner bearing	34.91 - 34.92 (1.3743 - 1.3748)	
		Outer bearing	21.407 - 21.420 (0.8428 - 0.8433)	
	Thread size		27/32 - 20 UNEF (Modified)	
Bearing type		Tapered Roller		
Service checking	Caster (deg)	+1-1/4 to +3-1/4		
	Camber (deg)	0 to 1-1/2		
	Toe-in (outside track-mm (in))	+0.12 to +0.36		
Wheel align at curb mass (wt)	Service reset	Caster	+2-1/4 ± 1/2	
		Camber	3/4 ± 1/2	
		Toe-in	+0.25 ± 0.06	
Periodic MV inspection	Caster	Caster	+1/4 to +4-1/4	
		Camber	-3/4 to +2-1/4	
		Toe-in	-0.12 to +0.60	

Rear Wheel Alignment: - Camber, 0° ± 0°30' toe in .06° ± .06°.

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*)

Body Type And/Or Engine Displacement	2-Door Sport Coupe 1YY87	2-Door Hatchback Coupe 1YY07
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Suspension - General

Car leveling	Std/opt./n.a.	Not Available
	Type (air, hyd., etc.)	--
	Manual/auto. controlled	--
Provision for brake dip control		Mounting Angle at Front Upper Control Arm
Provision for acc. squat control		None
Special provisions for car jacking		Front-5" Forward of Front Door Opening, Under Frame Rear -3" Forward of Wheel Opening, Under Frame
Shock absorber front & rear	Type	Direct, Double Acting, Hydraulic
	Make	Delco
	Piston dia	25.4 (1.0)
Other special features		--

Suspension - Front

Type and description		Independent, SLA with Coil Springs
Travel	Full jounce	120.7 (4.75)
	Full rebound	74.7 (2.94)
Spring	Type (coil, leaf, other)	Coil
	Material	Steel Alloy
	Size (coil design height & i.d., bar length x dia.)	265.4 x 96.5; 3527.0 x 15.75 (10.45 x 3.80; 138.86 x 0.620)
	Spring rate - N/mm (lb./in.)	45.5 (260)
	Rate at wheel - N/mm (lb./in.)	17.0 (97)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR Steel; 28.4 (1.12)

Suspension - Rear

Type and description		Fully independent with fixed differential, Transverse Leaf Spring, Lateral Struts & 'U' Jointed Axle Shafts	
Drive and torque taken through		Torque Control Arms	
Travel	Full jounce	88.9 (3.50)	
	Full rebound	76.2 (3.00)	
Spring	Type (coil, leaf, other)	Monoleaf (A)	
	Material	Composite Fiberglass	
	Size (length x width, coil design height & i.d., bar length & dia.)	1234.4 x 57.2 - 123.7 (48.6 x 2.25 - 4.97)	
	Spring rate - N/mm (lb./in.)	32.0 (183)	
	Rate at wheel - N/mm (lb./in.)	21.3 (122)	
	Mounting insulation type		Aluminum Spacers
	if leaf	No. of leaves	One (1)
	Shackle (comp. or tens.)	Tension	
Stabilizer	Type (link, linkless, frameless)	Link (RPO FE7 Gymkhana Suspension Only)	
	Material & bar diameter	HR Steel - 11.18 (0.440)	
Track bar type		None	

(A) Eight (8) Leaf Steel Spring used with RPO FE7 Gymkhana Suspension.

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Body Type	2-Door Sport Coupe 1YY87	2-Door Hatchback Coupe 1YY07
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Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Acrylic Enamel	
Hood hinge location (front, rear)	Front	
Hood counterbalance (type)	Hood is not counterbalanced, hood is held open with link	
Hood release control (internal, external)	Internal	
Vehicle ident. no. location	Left hand windshield pillar	
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Bucket, Polyurethane Padding
	Rear	None
	3rd seat	None
Seat back type	Front	Bucket, Polyurethane Padding
	Rear	None
	3rd seat	None
Method of holding luggage compartment lid open	--	
Position of spare tire storage	In well under body at rear	

Passive Restraint System

Inflatable restraint system	Standard/ optional	
	Type of charging system	
	Location (sig whl, instru panel, other)	
Passive seat belts	Standard/ optional	
	Power/ manual	
	2 or 3 point	
	Knee bar/ lap belt	

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Crossmember for Trans. Support is bolted in. All welded, full length, ladder constructed frame with (4) crossmembers.
--	---

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

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Body Type	2-DOOR SPORT COUPE 1YY87	2-DOOR HATCHBACK COUPE 1YY07
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Convenience Equipment

Power windows	Side windows	Standard
	Vent windows	Not available
	Backlight or tailgate	Not available
Power seats (specify type as well as availability)		Not available
Reclining front seat back (r-l or both)		Not available
Radio (specify type as well as availability)		Radio-electronically tuned stereo w/8-track, Radio electronically tuned stereo w/C.B. and 8-track (a)
Rear seat speaker		Included with all Radios except base, N.A. with base.
Power antenna		Optional - Triband included with C.B. unit
Clock		Standard
Air conditioner (specify type)		Standard, Four season, manual
Speed warning device		Not available
Speed control device		Optional
Ignition lock lamp		Not available
Dome lamp		Standard (Delay feature standard)
Glove compartment lamp		Standard
Luggage compartment lamp		N.A. (Illuminated by dome lamp)
Underhood lamp		Standard
Courtesy lamp		Standard (Delay feature standard)
Map lamp		Not available
Cornering lamp		Standard
Rear window defroster electrically heated		Optional
Rear window defogger		Not available
Theft protection—type		Lock mounted on steering column; locks steering wheel and ignition, anti-theft alarm under hood signals tampering with doors, hood and lift out roof panels, starter interrupt features prevent starting engine even if ignition switch is by-passed, system armed using manual or power door lock control on drivers door, system disarmed with key in right or left door lock.

(a) Radio-Electronically tuned stereo w/cassette tape,
 Radio-Electronically tuned stereo w/C.B. and cassette tape,
 Radio-AM/FM stereo.

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Passenger Car
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Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS. kg. (weight, lb.)			
	Front	Rear	Total	
Removable Glass Roof Panels	1.2 (+2.7)	3.2 (+7.1)	4.4 (+9.8)	
Power Door Lock System	0.4 (+0.9)	0.4 (+0.9)	0.8 (+1.8)	
Power Seat - LH Six-Way	2.6 (+5.7)	2.8 (+6.2)	5.6 (+11.9)	
Electric Rear Window Defogger	0 (0)	0.6 (+1.3)	0.6 (+1.3)	
Gymkhana Suspension	0 (0)	17.2 (+37.9)	17.2 (+37.9)	
Automatic Speed Control w/Resume Speed	1.8 (+4.0)	0.4 (+0.9)	2.2 (+4.9)	
Carrier Roof Panel	-0.8 (-1.8)	4.0 (+8.8)	3.2 (7.0)	Includes trim color vinyl stowage bag for carrier parts
Aluminum Wheels	-9.6 (-21.2)	-9.6 (-21.2)	19.2 (-42.4)	
Radio - Electronically Tuned Stereo w/8-Track	0.6 (+1.3)	0.6 (+1.3)	1.2 (+ 2.6)	Includes fixed height rear antenna and 2 front, 2 rear speakers
Radio - Electronically Tuned Stereo w/C.B. and 8-Track	1.0 (+2.2)	1.0 (+2.2)	2.0 (+4.4)	Includes tri-band power rear antenna and 2 front, 2 rear speakers
Radio - Electronically Tuned Stereo w/Cassette Tape	0.8 (+1.8)	0.6 (+ 1.3)	1.4 (+3.1)	Includes fixed height rear antenna and 2 front, 2 rear speakers
Radio - Electronically Tuned Stereo w/C.B. and Cassette Tape	0.6 (+1.3)	0.6 (+1.3)	1.2 (+2.6)	Includes tri-band power rear antenna and 2 front, 2 rear speakers
Speakers Dual Rear	0 (0)	2.6 (+5.7)	2.6 (+5.7)	
Power Antenna	-0.4 (-0.9)	2.0 (+4.4)	1.6 (+3.5)	NA - with UM5, UN5 which requires UB3. NA - with UL5
Heavy Duty Cooling	8.4 (+18.5)	-1.4 (-3.1)	7.0 (+15.4)	

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (e) 4-82

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

SAE Ref. No.	2-DOOR SPORT COUPE 1YY87	2-DOOR HATCHBACK COUPE 1YY07
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Width

Tread — Front	W101	1491 (58.7)
Tread — Rear	W102	1511 (59.5)
Vehicle width	W103	1753 (69.0)
Body width at Bg RP — front	W117	1638 (64.5)
Vehicle width — front doors open	W120	3467 (136.5)
Vehicle width — rear doors open	W121	--

Length

Wheelbase	L101	2489 (98.0)
Vehicle length	L103	4707 (185.3)
Overhang — front	L104	1077 (42.4)
Overhang — rear	L105	1141 (44.9)
Upper structure length	L123	2090 (82.3)
Rear wheel C/L "X" coordinate	L127	1829 (72.0)
Coar. point "X" coordinate	L125	409 (16.1)

Height **

Passenger Distribution (fr./rear)	PD1.2.3		**
Trunk/Cargo Iced			**
Vehicle height	H101	1229 (48.4)	
Coar. point to ground	H114	902 (35.5)	
Deck point to ground	H135		
Rocker panel front to ground	H112	207 (8.2)	
Bottom of door closed - front to grd.	H133	264 (10.4)	
Rocker panel rear to ground	H111	203 (8.0)	
Bottom of door closed - rear to grd.	H135	--	

Ground Clearance **

Front bumper to ground	H102	240 (9.4)	
Rear bumper to ground	H104	289 (11.4)	
Bumper to ground — front at curb mass (wt.)	H103	247 (9.7)	
Bumper to ground — rear at curb mass (wt.)	H105	319 (12.6)	
Angle of approach @ GVW	H106	14.7°	
Angle of departure @ GVW	H107	17.2°	
Ramp breakover angle @ GVW	H147	20.7°	
Rear axle differential to ground	H153	198 (7.8)	192 (7.6)
Min. running ground clearance	H156	98 (3.9) (a)	
Location of min. run. grd. clear.		(a) Catalytic Converter	

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

** All vehicle height and ground clearances are made using EPA loaded vehicle weight, loading conditions.

IPA LOADED VEHICLE WEIGHT is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CORVETTE
Model Year 1982 Issued 8-81 Revised (°)

Body Type

SAE Ref. No.	2-DOOR SPORT COUPE 1Y87	2-DOOR HATCHBACK COUPE 1Y07
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Front Compartment

Sg RP front, "X" coordinate	L31	1135 (44.7)
Effective head room	H81	919 (36.2)
Effective T Point head room	H75	934 (36.8)
Max. eff. leg room — accelerator	L34	1069 (42.1)
Sg RP — front to heel	H30	162 (6.4)
Design H-point front travel	L17	137 (5.4)
Shoulder room	W3	1207 (47.5)
Hip room	W5	1267 (49.9)
↔ Upper body opening to ground	H50	--
Steering Wheel Angle	M18	15.0°
Back Angle	L40	33.0°

Rear Compartment

Sg RP Point couple distance	L50	
Effective head room	H83	
Effective T Point head room	H78	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	

Luggage Compartment

Usable luggage capacity — L (cu. ft.)	V1	238L (8.4 cu.ft.)
↔ Lifter height	M195	--

All linear dimensions are in millimeters (inches).

↔ EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

ALL INTERIOR DIMENSIONS ARE MEASURED WITH THE SEATING REFERENCE POINT (SgRP) _____ mm (1 SEAT ADJUSTER NOTCH) FORWARD OF REARMOSt SEAT POSITION.

**MVMA Specifications Form
Passenger Car**

Car Line CORVETTE
Model Year 1982 Issued 8-81 Revised (*) _____

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	2-DOOR SPORT COUPE 1YY87	2-DOOR HATCHBACK COUPE 1YY07

Station Wagon – Third Seat

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

Station Wagon – Cargo Space

Cargo length—open—front	L200	
Cargo length—open—second	L201	
Cargo length—closed—front	L202	
Cargo length—closed—second	L203	
Cargo length at belt—front	L204	
Cargo length at belt—second	L205	NOT APPLICABLE
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	

Hatchback – Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat back height	L208	
Cargo length at floor—front	L209	
Cargo volume index—m ³ (ft. ³)	V3	
Hidden cargo volume—m ³ (ft. ³)	V4	

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

All dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CORVETTE
Model Year 1982 Issued 8-81 Revised (*) _____

Body Type

2-DOOR SPORT COUPE 1YY87	2-DOOR HATCHBACK COUPE 1YY07
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Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location
Front	X - Fiducial mark to vertical base grid line-front, measured horizontally from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt.
	Y - Fiducial mark to centerline of car-front, width measurement made from centerline of car to fiducial mark located on top of the front seat adjuster mounting bolt.
	Z - Fiducial mark to horizontal base grid line-front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear	X - Fiducial mark to vertical base grid line-rear measured horizontally from base grid line to the rear fiducial mark located on rear underbody crossbar.
	Y - Fiducial mark to centerline of car-rear, width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar.
	Z - Fiducial mark to horizontal base grid line-rear, measured vertically from base grid line to the rear fiducial mark located on rear underbody crossbar.
Fiducial Mark Number	
Front	W21 686 (27.0)
	L54 786 (30.9)
	H81 54 (2.1)
	H181 266 (10.5)
	** H183 247 (9.7)
Rear	W22 613 (24.1)
	L55 2240 (88.2)
	H82 320 (12.6)
	H182 529 (20.8)
	** H184 502 (19.8)

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

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

MVMA Specifications Form

Passenger Car

Car Line CORVETTE
 Model Year 1982 Issued 8-81 Revised (*) 4-82

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	2-DOOR SPORT COUPE 1YY87	2-DOOR HATCHBACK COUPE 1YY07
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Glass

Backlight slope angle	H121	70.0°
Windshield slope angle	H122	57.0°
Tumble-Home	W122	7.4
Windshield glass exposed surface area - cm ² (in ²)	S1	5119 (793.5)
Side glass exposed surface area - cm ² (in ²)	S2	5166 (800.8)
Backlight glass exposed surface area - cm ² (in ²)	S3	9195 (1425.3)
Total glass exposed surface area - cm ² (in ²)	S4	19480 (3019.6)
Windshield glass type		Curved - Laminated Plate - Tinted
Side glass type		Curved - Tempered Plate - Tinted
Backlight glass type		Curved - Tempered Plate - Tinted

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	663 (26.1)
		Lowest	660 (26.0)
	Taillamp (H128)	Highest	636 (25.1)
		Lowest	636 (25.1)
	Sidemarker	Front	443 (17.4)
		Rear	481 (18.9)
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside**	
	Taillamp	Inside	
		Outside	
	Directional	Front	
		Rear	
Headlamp shape		Round	

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

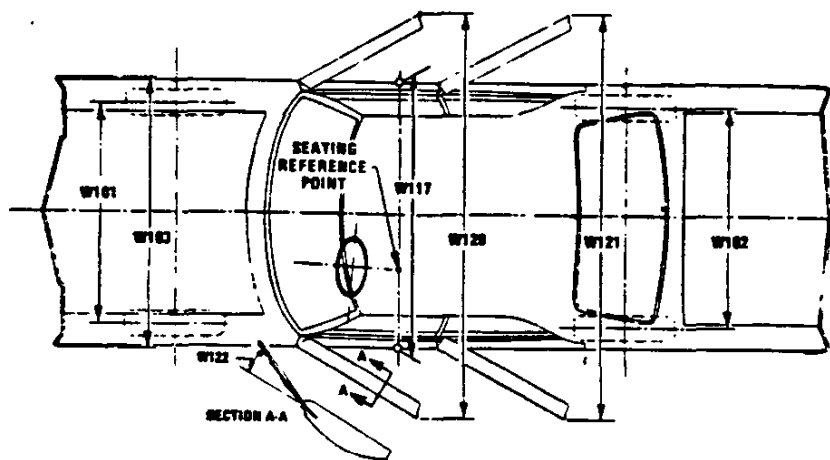
MVMA Specifications Form

Passenger Car

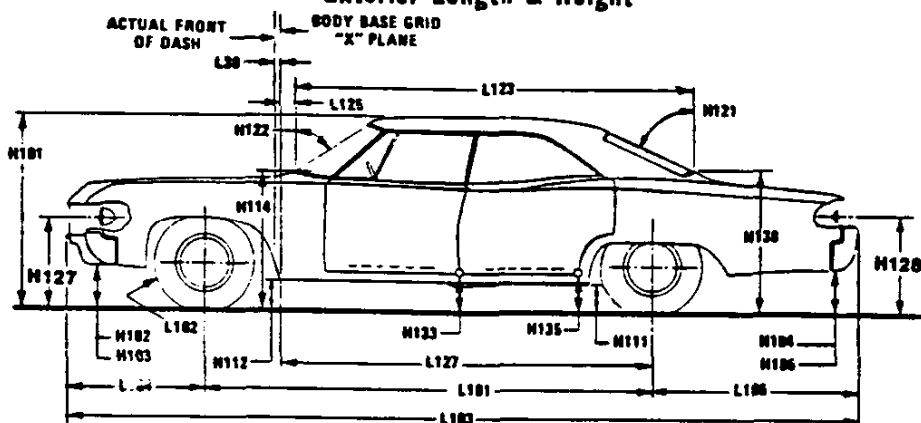
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

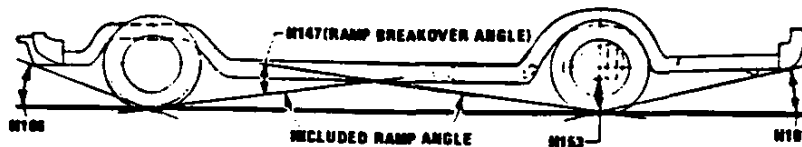
Exterior Width



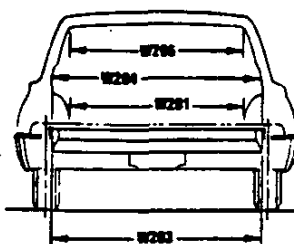
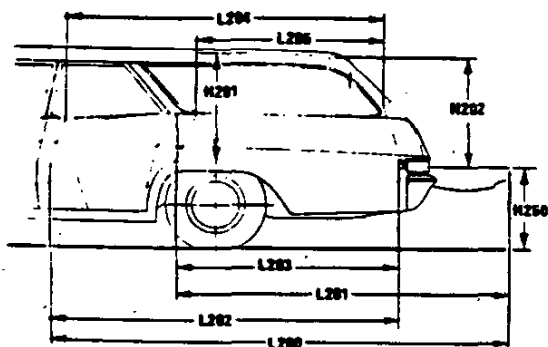
Exterior Length & Height



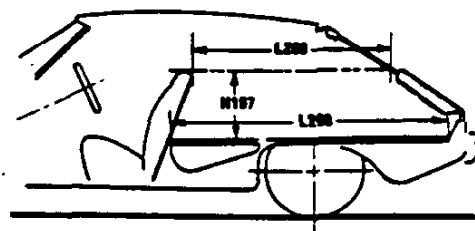
Exterior Ground Clearance



Cargo Space



Station Wagon



Hatchback

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

Interior Car And Body Dimensions — Key Sheet
Dimensions Definitions

Station Wagon — Cargo Space Dimensions

- L200** CARGO LENGTH—OPEN—FRONT The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201** CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering 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 wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.
- W203** REAR OPENING WIDTH AT FLOOR The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204** REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting 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:

$$\frac{W4 \times H201 \times L204}{109} = \text{m}^3(\text{cubic meter})$$
- V4** HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback — Cargo Space Dimensions

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position (For electrically adjusted seats, see 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.
- L208** CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209** CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3** HATCHBACK
 Measured in inches:

$$\frac{L208 + L209}{2} \times W4 \times H197$$

$$\frac{\quad}{1728} = \text{ft.}^3$$

 Measured in mm:

$$\frac{L208 + L209}{2} \times W4 \times H197$$

$$\frac{\quad}{109} = \text{m}^3(\text{cubic meter})$$

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

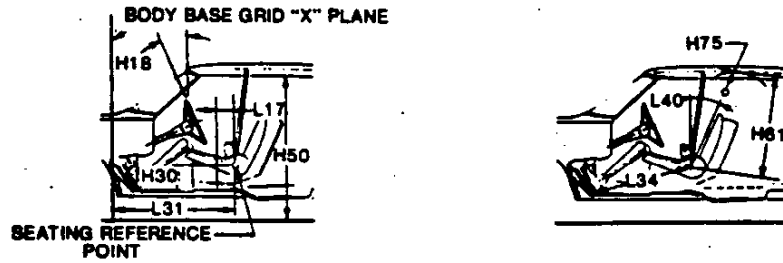
Dimensions Definitions

H103	FRONT BUMPER TO GROUND CURB MASS (WT.) Measured in the same manner as H104	H18	STEERING WHEEL ANGLE The angle measured from a vertical to the surface plane of the steering wheel
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	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.
H105	REAR BUMPER TO GROUND—CURB MASS (WT.) Measured in the same manner as H104	Rear Compartment Dimensions	
H106	ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated	PD2	PASSENGER DISTRIBUTION—SECOND
H107	ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.	L50	SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to the SgRP—second
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.	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.)
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground	H76	EFFECTIVE T-POINT HEAD ROOM—SECOND Measured in the same manner as H75
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location	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.)
Front Compartment Dimensions		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
PD1	PASSENGER DISTRIBUTION—FRONT.	L48	KNEE CLEARANCE—SECOND The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).
L31	SgRP—FRONT "X" COORDINATED.	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
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.)	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.
H75	EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.)	W6	HIP ROOM—SECOND. Measured in the same manner as W5.
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 un-depressed 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.	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.
H30	SgRP—FRONT TO HEEL The dimension measured vertically from the SgRP—front to the accelerator heel point.	Luggage Compartment Dimensions	
L17	DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions	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
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	H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.
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	Station Wagon — Third Seat Dimensions	
H150	UPPER BODY OPENING TO GROUND—FRONT The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane	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.

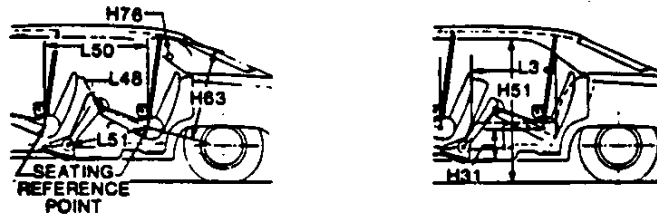
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

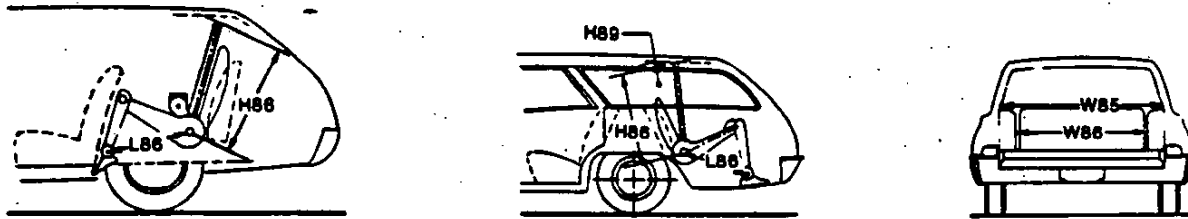
Front Compartment



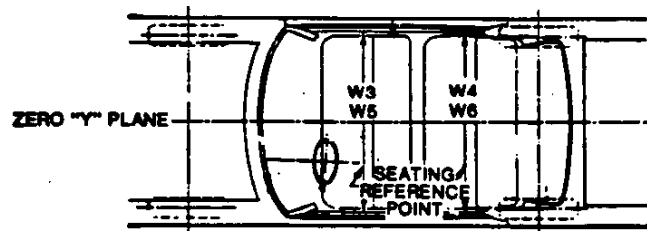
Rear Compartment



Third Seat



Interior Width



AVMA 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 position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE HOME, STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash 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 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.
- H127 HEADLAMP TO GROUND—CURB WEIGHT. The dimensional measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB WEIGHT. 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.

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Interior Car And Body Dimensions — Key Sheet

Dimensions Definitions

H103	FRONT BUMPER TO GROUND—CURB WEIGHT. Measured in the same manner as H104.	H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
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.	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.
H105	REAR BUMPER TO GROUND—CURB WEIGHT. Measured in the same manner as H104.	Rear Compartment Dimensions	
H106	ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.	PD2	PASSENGER DISTRIBUTION—SECOND.
H107	ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.	L50	SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to the SgRP—second.
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.	H63	EFFECTIVE HEAD ROOM—SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 4.0 in. (102 mm).
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.	H76	EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.	L51	MINIMUM EFFECTIVE LEG ROOM—SECOND. The dimension measured along a line from the ankle pivot center to the SgRP—second plus 10.0 in. (254 mm).
Front Compartment Dimensions		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.
PD1	PASSENGER DISTRIBUTION—FRONT.	L48	KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).
L31	SgRP—FRONT "X" COORDINATED.	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.
H61	EFFECTIVE HEAD ROOM—FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP—front to the headlining, plus 4.0 in. (102 mm).	W4	SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 10.0-16.0 in. (254-406 mm) above the SgRP—second.
H75	EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).	W6	HIP ROOM—SECOND. Measured in the same manner as W5.
L34	MAXIMUM EFFECTIVE LEG ROOM—ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP—front plus 10.0 in. (254 mm) measured with right foot on the un-depressed 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.	H51	UPPER BODY OPENING TO GROUND—SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 13.0 in. (330 mm) forward of the SgRP—second.
H30	SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.	Luggage Compartment Dimensions	
L17	DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.	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.
W3	SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 10.0 in. (254 mm) above the SgRP—front.	H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.
W5	HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within 1.0 in. (25 mm) below and 3.0 (76 mm) above the SgRP—front and 3.0 (76 mm) fore and aft of the SgRP—front.	Station Wagon — Third Seat Dimensions	
H150	UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.	PD3	PASSENGER DIRECTION—THIRD.
		W85	SHOULDER ROOM—THIRD. Measured in the same manner as W5.
		W86	HIP ROOM—THIRD. Measured in the same manner as W5.
		L86	EFFECTIVE LEG ROOM—THIRD. The dimension measured along a line from the ankle pivot center to the SgRP—third plus 10.0 in. (254 mm).
		H86	EFFECTIVE HEAD ROOM—THIRD. The dimension, measured along a line 8 deg. from the SgRP—third to the headlining rear of vertical plus a constant of 4.0 in. (102 mm).
		H89	EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.

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Interior Car And Body Dimensions — Key Sheet

Dimensions Definitions

Station Wagon — Cargo Space Dimensions

- L200** CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201** CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering 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 wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.
- W203** REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204** REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting 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 WEIGHT). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- V2** STATION WAGON
Measured in inches:
$$\frac{W4 \times H201 \times L204}{1728} = \text{ft.}^3$$

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.

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.
- L208** CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209** CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3** HATCHBACK
Measured in inches:
$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{ft.}^3$$

Measured in mm:
$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{m}^3(\text{cubic meter})$$

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