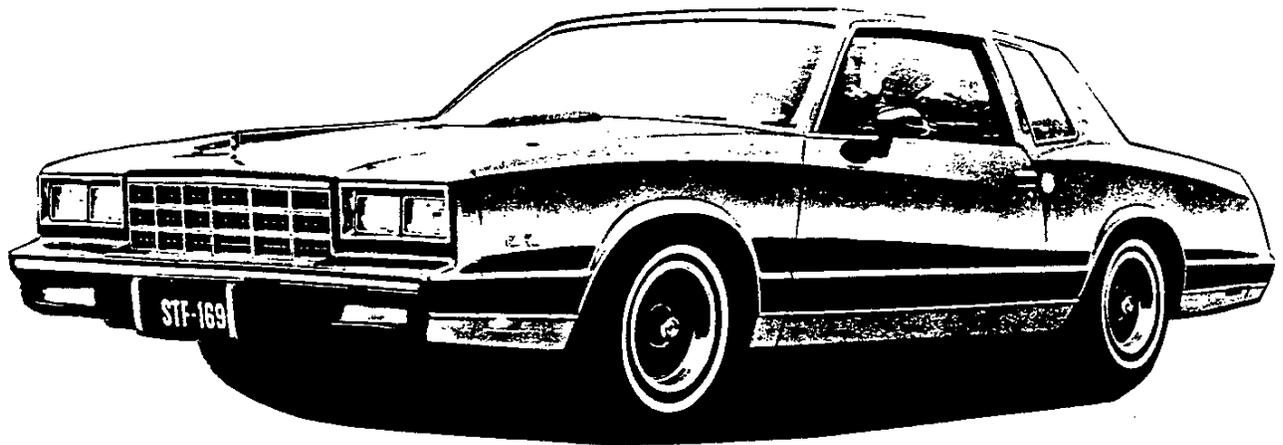


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# Chevrolet



*1981 Monte Carlo*



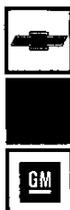
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# CHEVROLET NEWS



Public Relations Department • Chevrolet Motor Division  
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(313) 492-8837

EDITORS: Here's a 360-word profile of  
the 1981 MONTE CARLO.

FOR RELEASE September 11, 1980

#8741

Chevrolet Monte Carlo -- always a design leader -- gets a major aerodynamic overhaul in 1981.

Designed to reduce wind drag and improve fuel economy, the '81 Monte Carlo features a lowered hoodline and raised rear deck. Body panels, sheet metal, bumpers and lamps are also restyled to achieve a subtle wedge shape.

Wind tunnel tests of the new Monte Carlo indicate a drag coefficient of .483 -- down 10 percent from last year.

Also expected to enhance overall Monte Carlo efficiency are high-pressure (35-psi) easy-roll radial tires and the electronic powertrain management made possible by GM's Computer Command Control (CCC) system.

In addition to the electronic engine functions relating to the system's principal job of emissions control, CCC also takes over the management of a torque converter clutch in Monte Carlo's automatic transmission.

"Although wheelbase, overall length and interior volume are unchanged, the Monte Carlo is a significantly different machine from last year," said Robert D. Lund, Chevrolet general manager and a General Motors vice president.

"It is not only a beautiful car. It is evidence of Chevrolet's commitment to the efficiency evolution of all our vehicles. "

Under the hood Monte Carlo offers a standard 3.8-liter V6 with two-barrel dualjet carburetion. A 4.4-liter V8 is available along with a 3.8-liter turbocharged V6.

(more)



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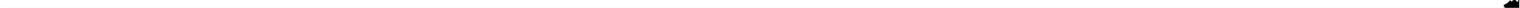
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The Monte Carlo grille remains the focal point of the front end with parking lamps moved to the outer ends of the bumper. Cornering lamps are also offered in '81.

The distinctive Monte Carlo Landau coupe features a more luxurious interior with the addition of the popular 55/45 split front seat and custom level door and quarter panel trim.

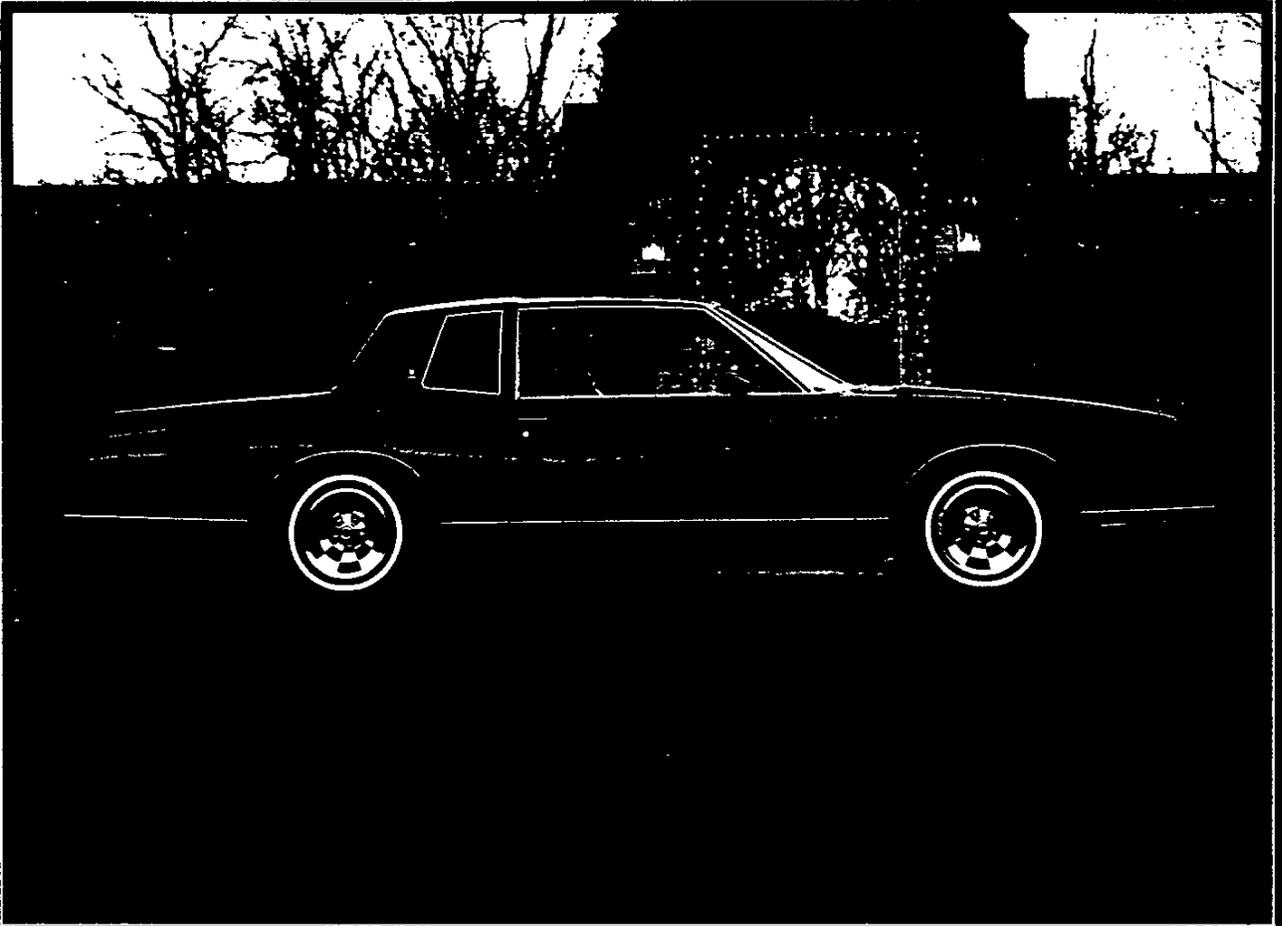
Outside, dual sport mirrors and delicate pinstriping are available, plus a new cast aluminum wheel. Bright moldings are added below side windows and across the lower edge of the windshield.

The Landau also features a new, fully-padded rear vinyl roof.

The Monte Carlo is produced at GM Assembly Division plants at Arlington, TX, and Baltimore, MD.

###





Monte Carlo Landau Coupe

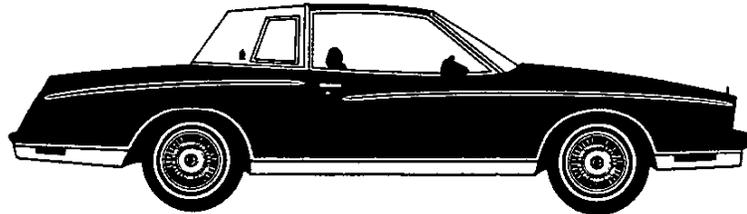
**A HERITAGE OF ELEGANCE ON  
A SIX-PASSENGER SCALE**

- The most dramatically restyled model in the Chevrolet stable
- Elegant lines throughout based on a more aerodynamic shape
- America's affordable mid-size luxury car
- A full six-passenger capacity with the largest trunk in Monte Carlo history
- Gracious, quiet, comfortable . . . in a trim, easy to park size

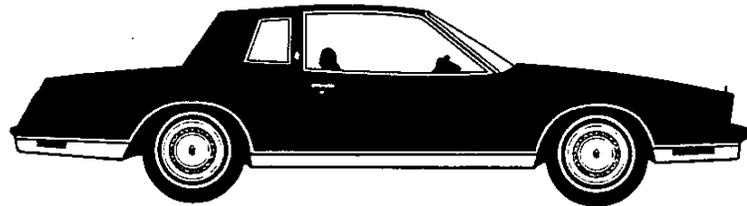
**MAKING IT EVEN BETTER**

- Computer Command Control — Clean air and fuel efficiency go hand in hand
- More corrosion-resisting treatments
- A fuel-efficient torque converter clutch in the standard automatic transmission
- New Easy-Roll tires with new material compounding and higher pressure to aid fuel economy
- Second-generation, more reliable Delco Freedom II battery

# 1981 MONTE CARLO



**Landau Coupe**



**Sport Coupe**

Monte Carlo	Model No.
Landau Coupe .....	1AZ37/Z03
Sport Coupe .....	1AZ37

## Index

Monte Carlo Value Features for 1981 .....	2-7	Custom Two-Tone, Pin Striping and Body Side Molding Color Combinations .....	14-15
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Vinyl Roof Covers and Colors .....	13		

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

**See Dealer Order Guide for latest available information.**

Monte Carlo/1

# MONTE CARLO VALUE FEATURES FOR 1981

New Features for 1981 shown in Bold Face

## ENGINE/CHASSIS

- 3.8 Liter 2-Bbl. V6 engine *standard*. See Power Teams for availability
- **Advanced Computer Command Control emission system now *standard* on all engines**
- **New automatic transmission with fuel-efficient torque converter clutch *standard***
- Power steering *standard*
- Power disc/rear drum brake system *standard*
- Disc brake audible wear sensors indicate when linings need replacing *standard*
- Delcotron generator with built-in solid-state regulator *standard*
- Long recommended service intervals (as specified in Owner's Manual) for oil change, oil filter, spark plugs, chassis lubrication and automatic transmission fluid
- Full-perimeter frame *standard*
- Visible ball joint wear indicators on front suspension lower control arms *standard*
- High Energy Ignition system
- Coolant recovery system helps prevent costly coolant loss
- GM Specification steel-belted radial ply tires *standard*
- Tires have a higher pressure recommendation for 1981 and new tire tread compound, contributing to a reduction in rolling resistance for fuel economy
- Compact spare tire *standard*
- A side lift frame jack replaces the former bumper jack
- **More reliable Delco Freedom II battery never needs refilling *standard*. Sealed side terminals help prevent corrosion buildup**

- Full Coil suspension system with computer-selected springs
- **New suspension tuning for improved ride**
- Dual horns *standard*

## BODY/EXTERIOR

- **Most dramatically new exterior appearance since initial '78 introduction, with restyled body panels, front end, rear end, bumpers and lamps**
- **Front and rear bumpers are body-color . . . blend directly into the fender sides to give a continuous styling theme**
- **A wide lower body side molding runs the length of the car. Side marker lights are recessed into lower molding at front and rear**
- **Front parking lamps are located outboard in the bumpers**
- **New rear deck lid styling increases luggage capacity to 16.8 cu. ft.**
- **Landau models feature new padded vinyl roof cover covering the rear portion of the roof. The padded top completely frames the rear window. The opera window is framed in chrome. This roof cover is also optional for the Sport Coupe. The full roof cover is optional**
- **Cornering lamps now optional**
- **New wheel covers for both Sport Coupe and Landau Coupe**
- **An exclusive new aluminum wheel will be optional**
- Double-panel door, hood and deck lid construction *standard*
- High level acoustical quiet package *standard*
- Extensive anti-corrosion measures (see page 21)
- Dual-mode flow-through ventilation system for passenger comfort *standard*

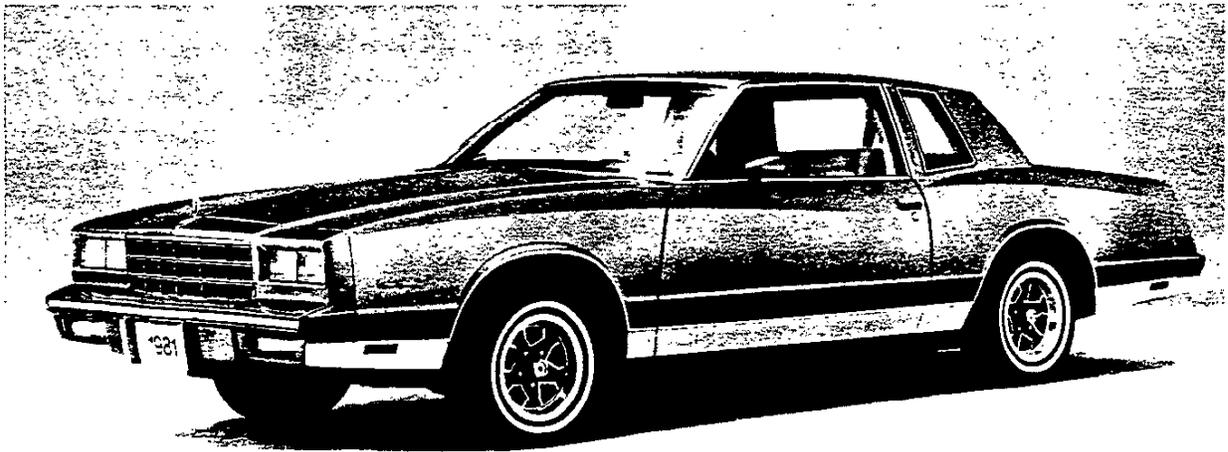
- Concealed dual-speed electric windshield wipers *standard*
- Cushioned body mounting system (at 14 strategic points) to help isolate passenger area from road noise and vibration
- Inner fenders front and rear for corrosion protection *standard*

## INTERIOR

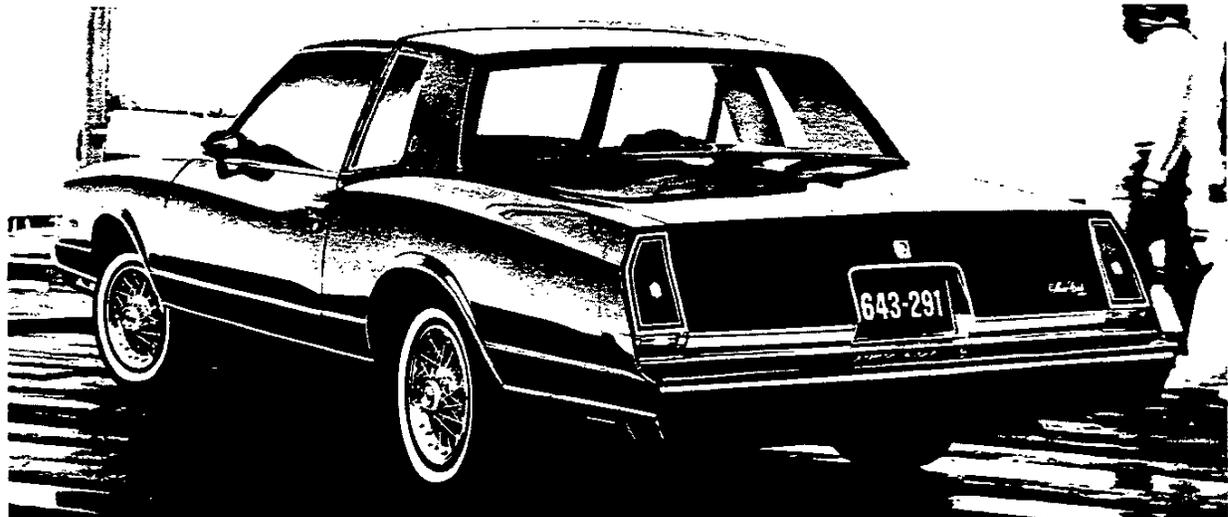
- **Optional automatic speed control now has resume speed feature**
- **Wood-grain trim recessed into right side of instrument panel and steering wheel rim insert**
- **55/45 seat with custom door trim now *standard* in Landau; custom seat interior optional. Bench seat *standard* in Sport Coupe; bucket or 55/45 seats and custom door trim optional**
- Molded full foam seat construction *standard*
- Inside hood release for underhood security *standard*
- Color-keyed seat and shoulder belts *standard*
- Color-keyed cut-pile carpeting
- Electric clock *standard*
- Day/night inside rearview mirror *standard*
- Color-keyed steering column and steering wheel *standard*
- Glove compartment lock and light *standard*

## NEW OPTIONS

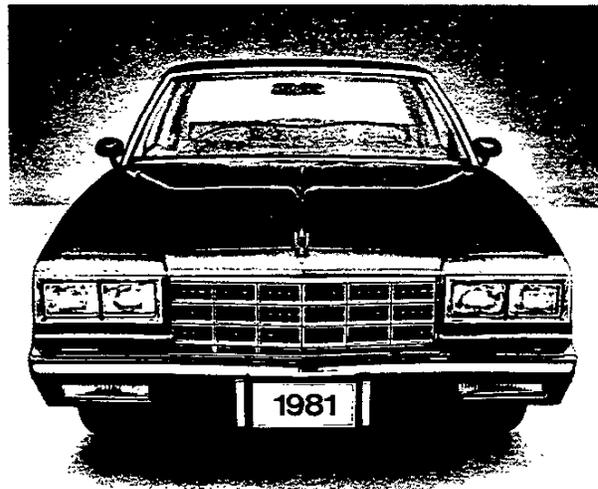
- Automatic speed control with resume speed feature ..... RPO K35
- Aluminum wheels ..... RPO N90
- Gage package with trip odometer ... RPO UF7
- Wire wheel cover locking package ..... RPO N18
- Lamps, cornering ..... RPO T87



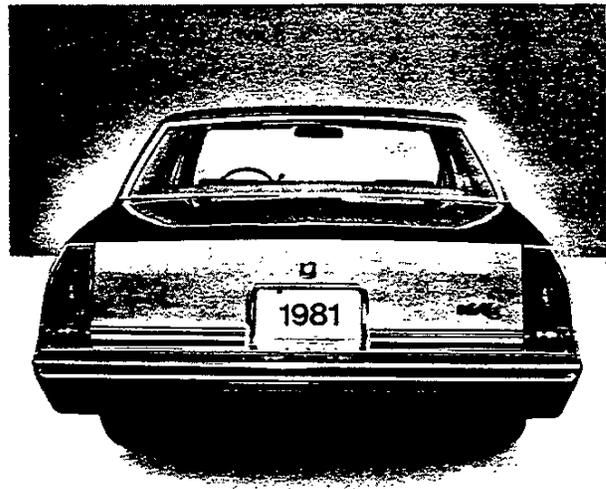
New Monte Carlo With All-New Styling



New Monte Carlo Landau With New Padded Vinyl Roof



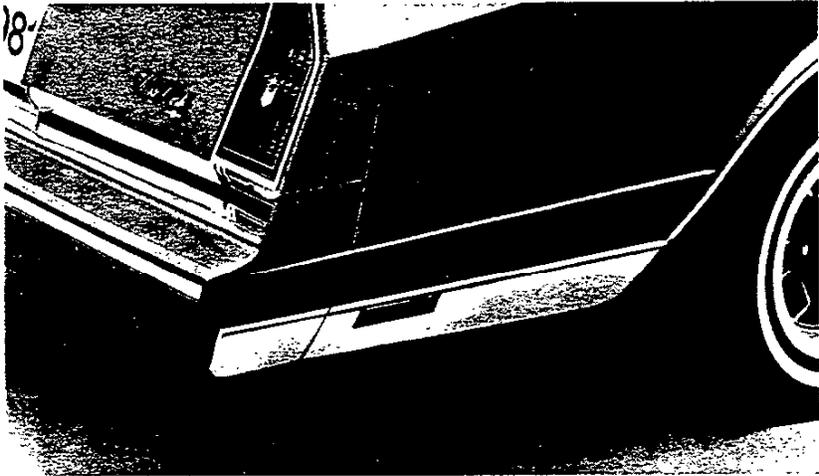
All-New Front End Styling



All-New Rear End Styling



Monte Carlo Landau Roof Detail



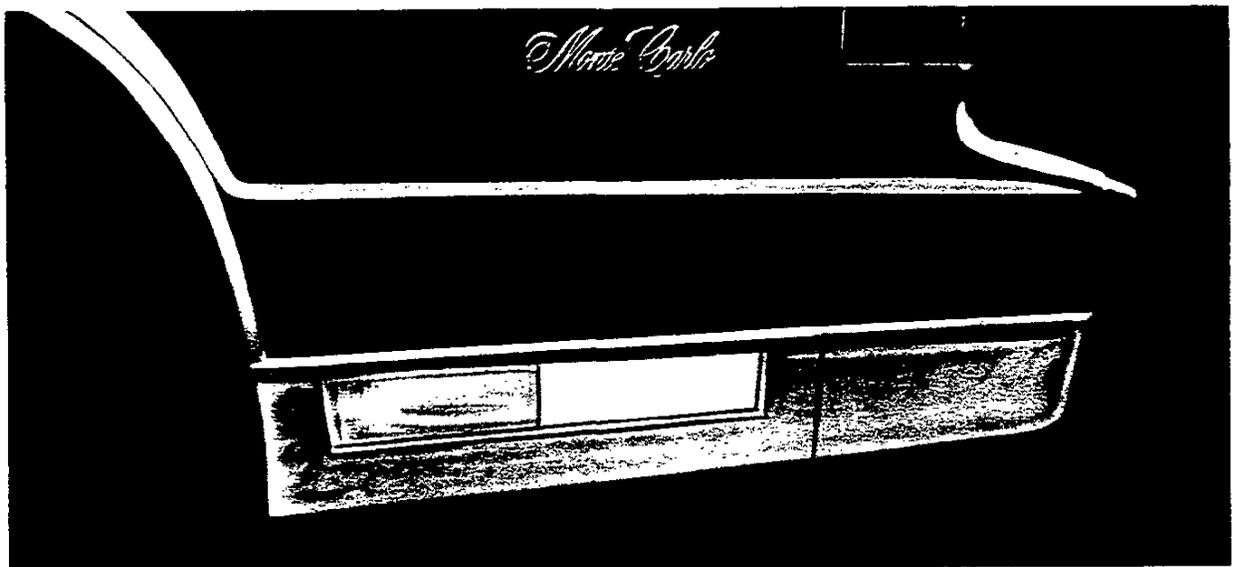
Side Marker Lamps Blended Into Side Molding



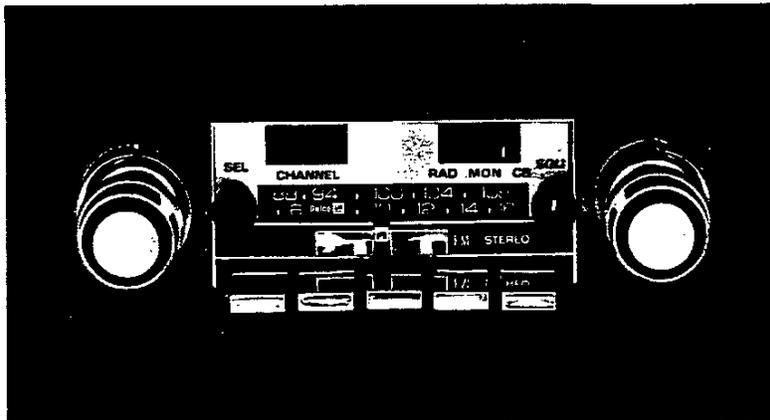
New Aluminum Wheels Optional for All Monte Carlo Models



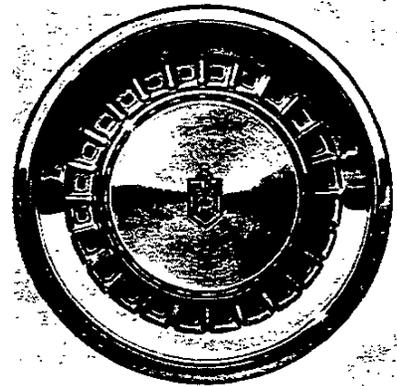
Monte Carlo With New Hatch Roof



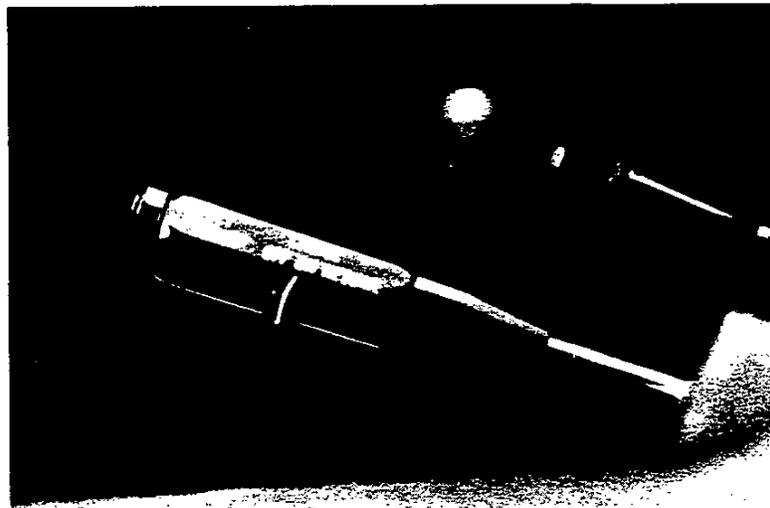
Cornering Lamps Now Optional for All Models



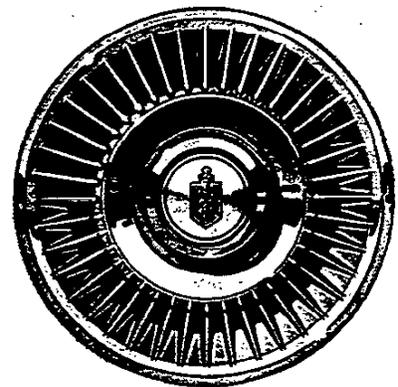
AM/FM Stereo/Citizens Band Radio with Power Antenna



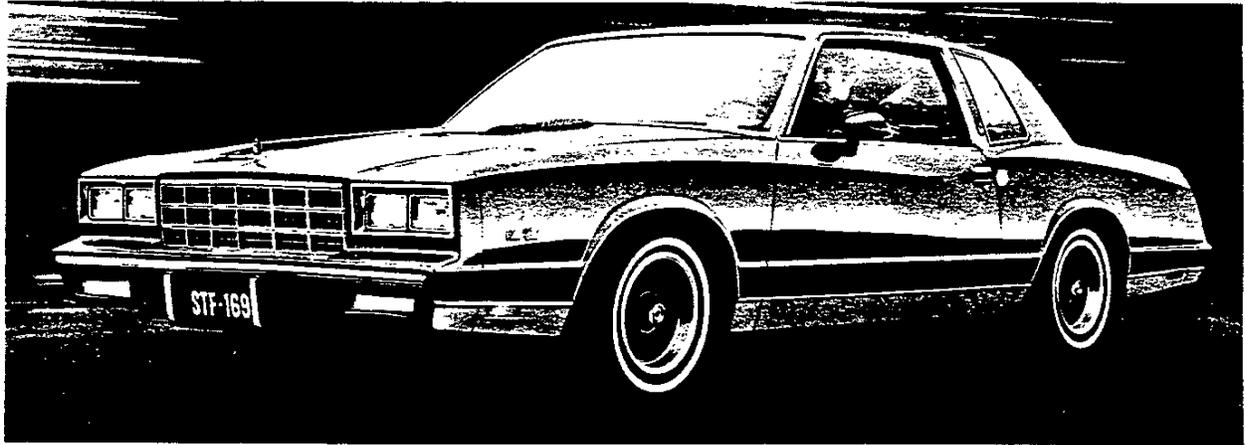
New Wheel Covers *Standard* on Sport Coupe



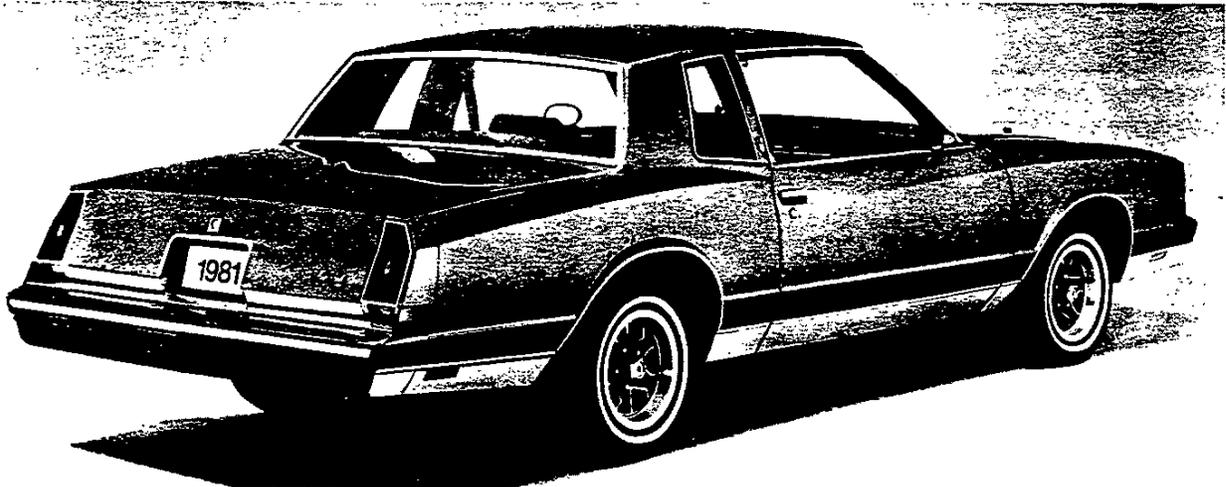
Optional Automatic Speed Control With "Resume Speed" Feature



New Wheel Covers *Standard* on Landau



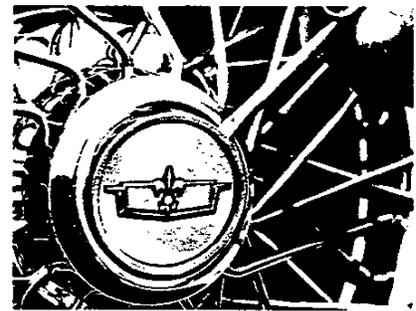
Turbo Hood With Optional Turbocharged V6 Engine



New Rear Deck With A More Aerodynamic Shape



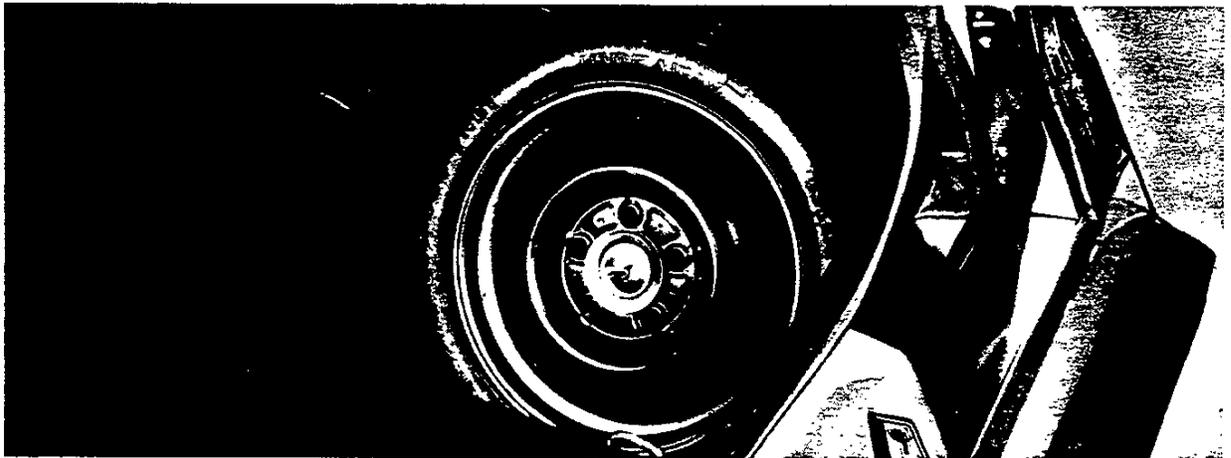
Dual Front Speakers *Standard* With All Radios



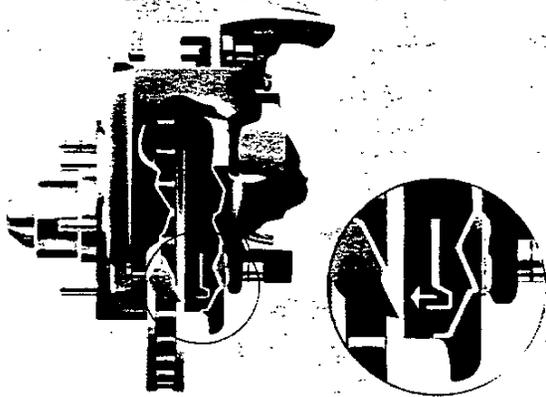
Wheel Cover Locks Optional With Wire Wheel Covers (typical)



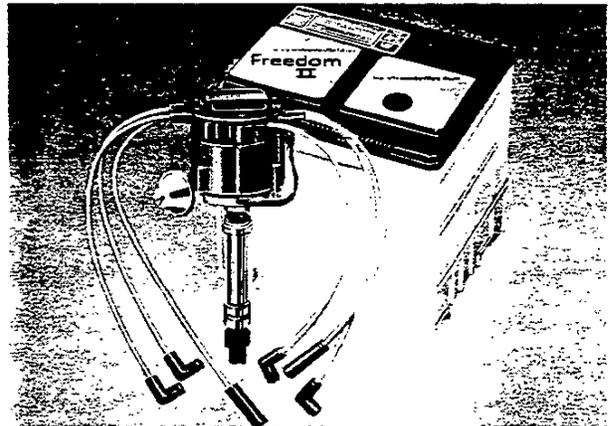
Monte Carlo Bucket Seats Optional for Sport Coupe



New, Larger Trunk Has 16.8 Cubic Feet Of Space *Standard*



Power Disc Brakes With Audible Lining Wear Indicator  
*Standard*

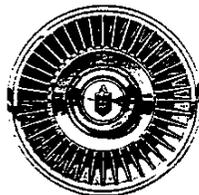
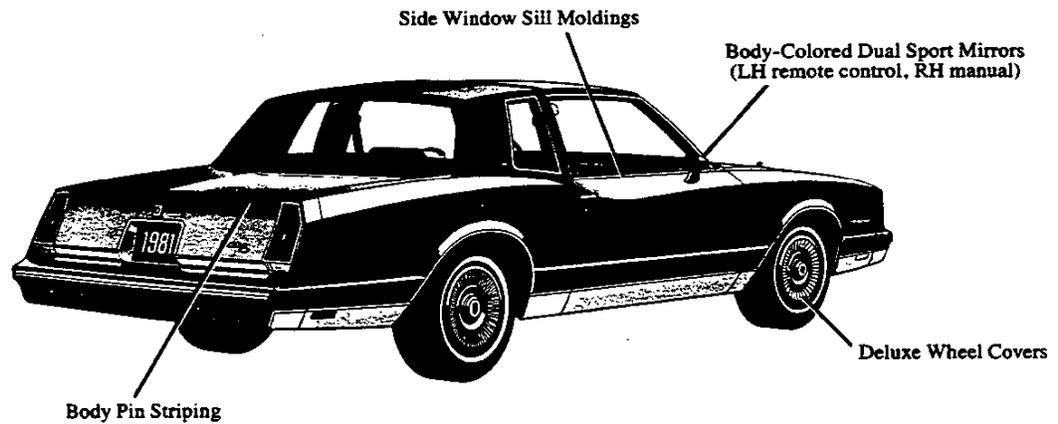
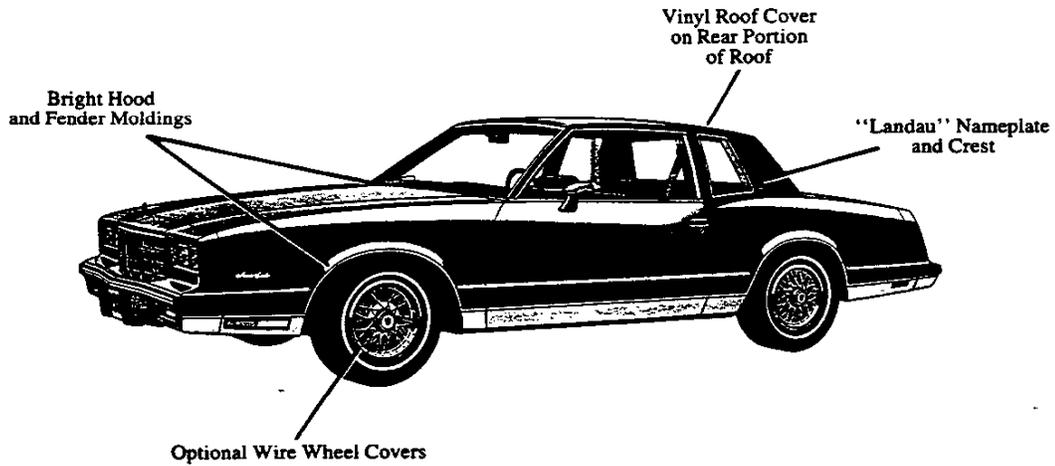


New, Higher Capacity Freedom II Battery With High Energy  
Ignition System *Standard*

# MONTE CARLO

## Landau Coupe

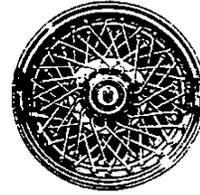
Special Landau features shown in addition to Monte Carlo standard features.  
Landau also includes right-hand visor vanity mirror.



Standard Deluxe Wheel Cover



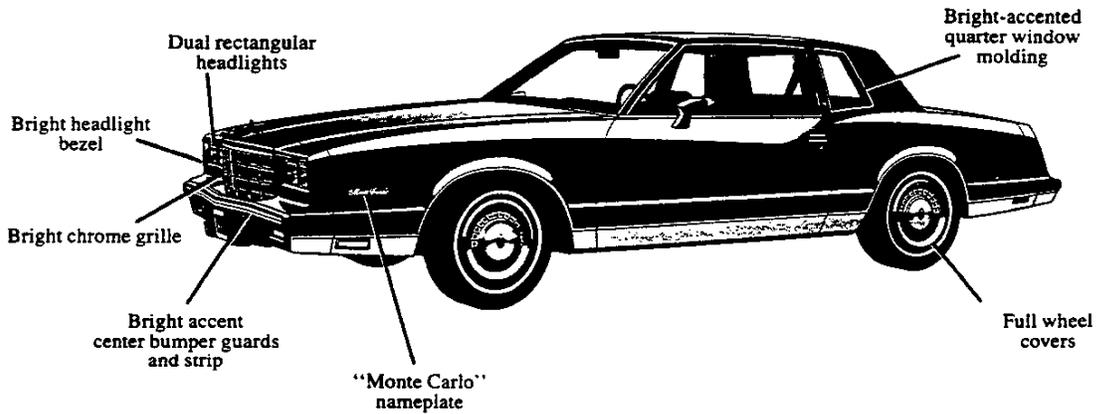
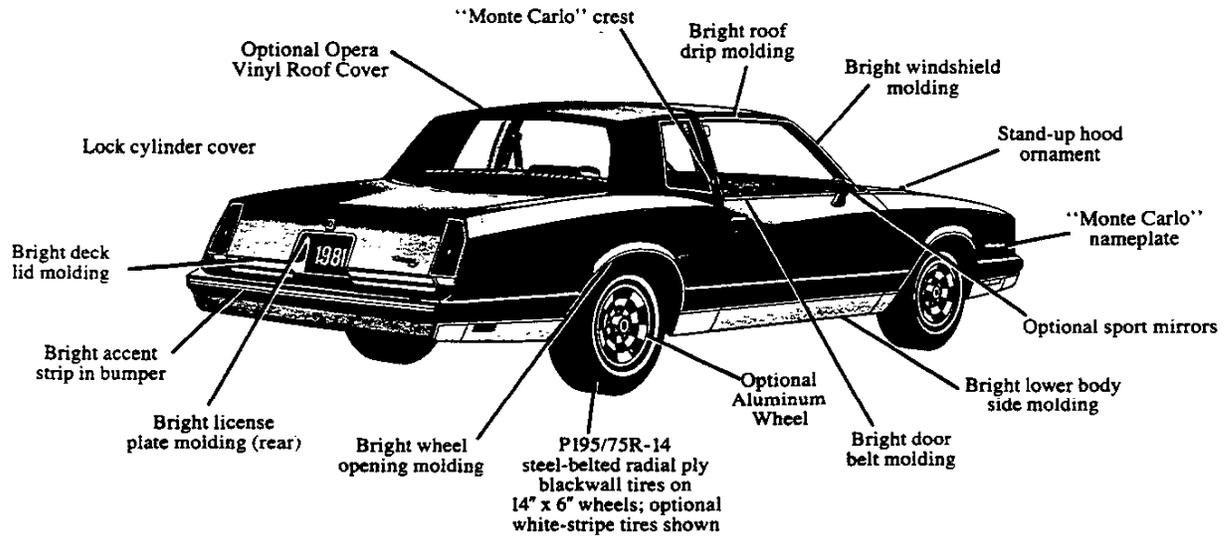
Optional Aluminum Wheel (RPO N90)



Optional Wire Wheel Cover (RPO N95)

# MONTE CARLO

## Sport Coupe



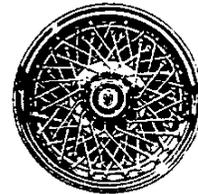
Standard Monte Carlo Wheel Cover



Optional Aluminum Wheel (RPO N90)

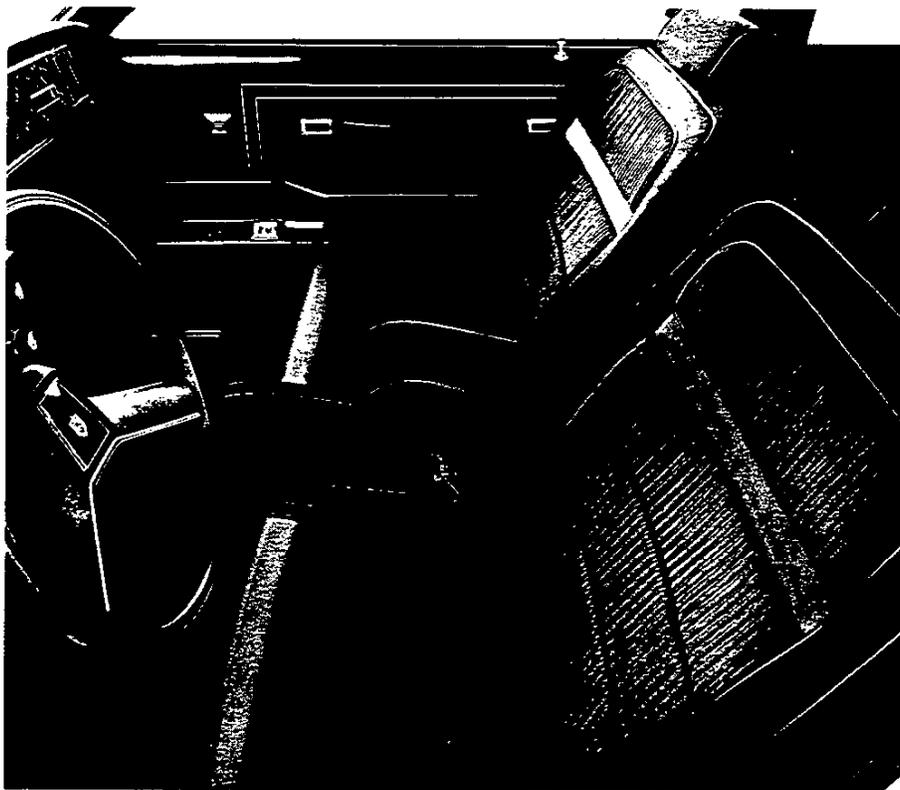


Optional Rally Wheel (RPO Z17)



Optional Wire Wheel Cover (RPO N95)

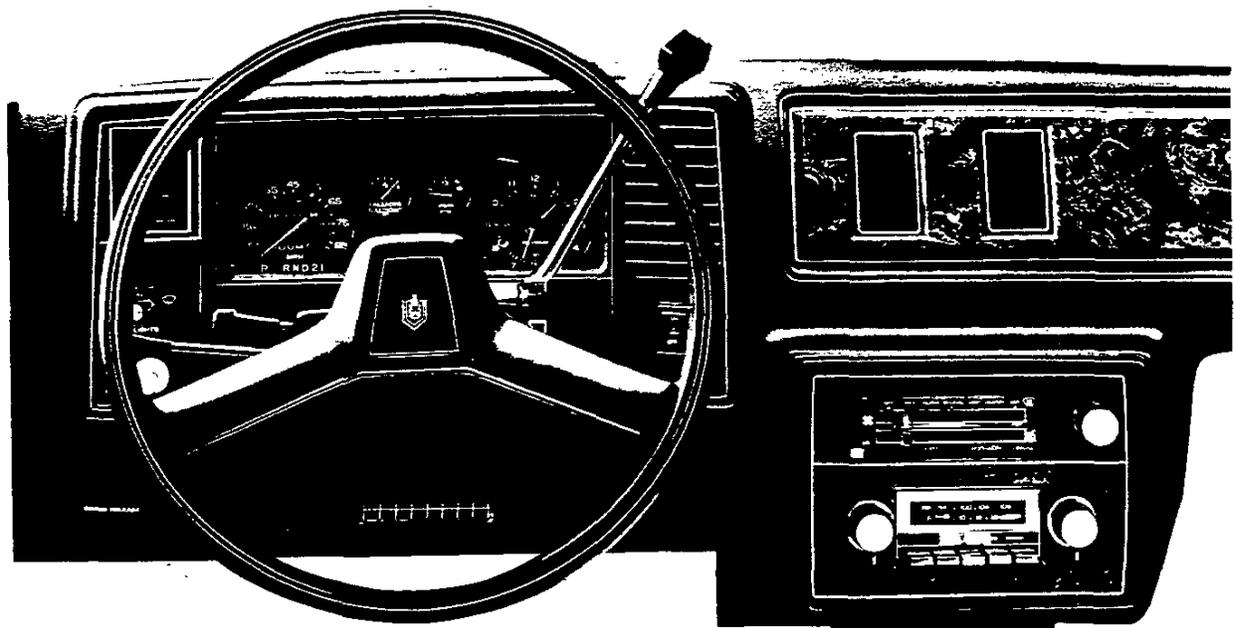
# INTERIOR FEATURES



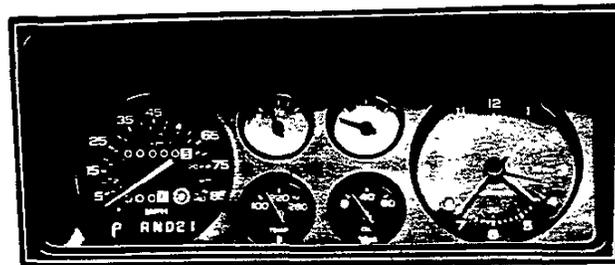
Monte Carlo Landau and Sport Coupe Optional Special Custom Interior With 55/45 Seat and Folding Center Armrest.

INTERIOR FEATURES	Monte Carlo Landau	Monte Carlo
55/45 front seats	S	EC
Custom door and quarter trim	S	EC
Door panels with soft trim and integral armrests	S	S
Bright front end seat panels	S	EC
Color-keyed carpeting in lower door panels	S	S
Vinyl door pull straps	S	S
Molded full foam seat construction	S	S
Day/night rearview mirror	S	S
Visor mirror RH	S	EC
Color-keyed seat and shoulder belts	S	S
Glove compartment lock and light	S	S
Automatic interior light switches on doors	S	S
Instrument panel courtesy lights	S	S
Cigarette lighter	S	S
Electric clock	S	S
Color-keyed one-piece cut-pile carpeting	S	S
Quiet Sound Group	S	S

S — Standard EC — Extra Cost

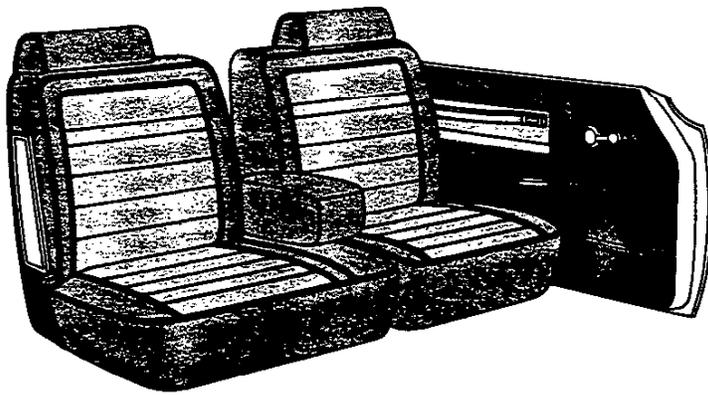


Monte Carlo Instrument Panel



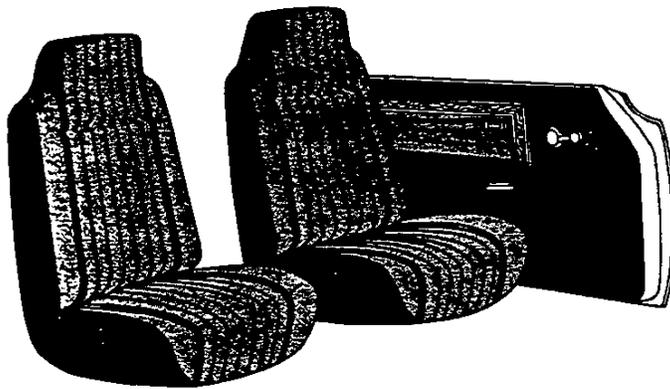
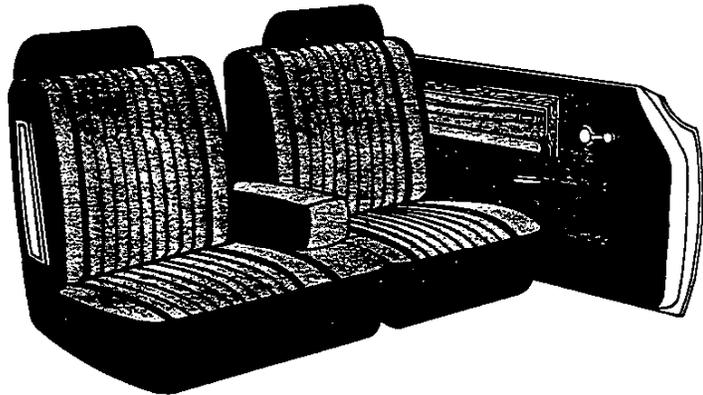
Optional Gage Package (RPO UF7)

INSTRUMENT PANEL FEATURES	Monte Carlo Landau	Monte Carlo
Color-keyed instrument panel, steering wheel and column	S	S
Simulated wood-grain on panel pad and instrument cluster	S	S
Column-mounted turn signal and headlight dimmer	S	S
Cigarette lighter	S	S
Monte Carlo nameplate and crest on panel pad	S	S
Gage Package includes trip odometer, voltmeter, temperature and oil pressure gages	EC	EC
85 mph/140 kph (kilometers per hour) speedometer	S	S
Electric clock	S	S
Soft-rim steering wheel with simulated wood-grain applique	S	S
Ashtray light	S	S
Dual-speed electric windshield wipers	S	S
Glove compartment light	S	S
Instrument panel courtesy lights	S	S
Inside hood release	S	S
Glove compartment lock	S	S
S — Standard EC — Extra Cost		



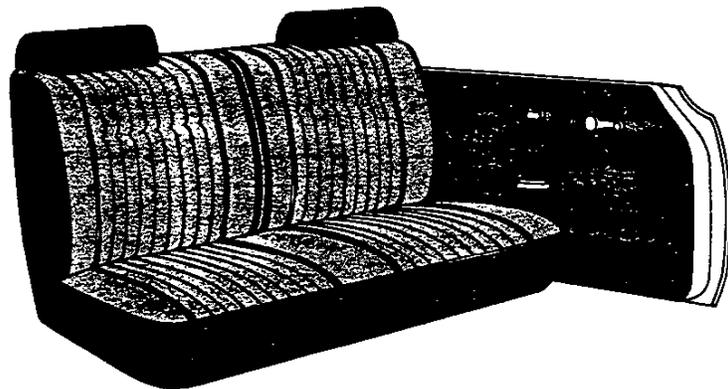
Monte Carlo Special Custom Interior 55/45 split seat with fold-down center armrest is optional for Landau and Sport Coupe models. Special Custom cloth and Custom vinyl trims are offered.

Monte Carlo Landau standard 55/45 split seat with fold-down center armrest is offered in both vinyl and cloth trims. Custom type door and quarter trim panels are included. This seat is also optional for Monte Carlo Sport Coupe with Custom Door and Quarter Trim Panels option (RPO ZY7) required.



Monte Carlo Sport Coupe optional bucket seats are offered in both vinyl and cloth trims. Custom Door and Quarter Trim Panels (RPO ZY7) option is required with these seats.

Monte Carlo Sport Coupe standard bench seat. Both vinyl and cloth trims are offered. Seat back is folding split type. Custom Door and Quarter Trim Panels (RPO ZY7) is optional with this seat.



NOTE: Illustrations show basic seat and door trim styling. Different tones of shading denote different materials (vinyl, cloth, carpet, wood-grain).

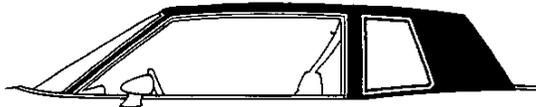
# COLOR AND TRIM COMBINATIONS

		INTERIOR COLORS											
		BEIGE	DK BLUE	CAMEL	CHAMPAGNE	JADE	MAROON						
<b>MONTE CARLO SPECIAL CUSTOM INTERIOR</b>													
Sport Coupe and Landau (55/45) Special Custom Cloth		X	X		X		X						
Custom Vinyl			X	X									
<b>MONTE CARLO</b>													
Sport Coupe (Bench)		Cloth		X	X		X	X					
		Vinyl		X	X	X	X	X					
Sport Coupe (Bucket)		Cloth		X	X		X	X					
		Vinyl		X	X	X	X	X					
Sport Coupe and Landau (55/45)		Cloth		X	X		X	X					
		Vinyl		X	X	X	X	X					
EXTERIOR COLORS	CODE	INT./EXT. COMB.	VINYL ROOF										
BEIGE	63	X	UU,WW	X	DD,UU	X	UU					X	RR,UU
BLACK	19	X	BB,UU			X	BB	X	BB	X	BB	X	BB
BLUE, DARK (MET.)	29	X	DD,UU	X	DD,WW*	X	DD						
BLUE, LIGHT (MET.)	21			X	DD,WW*								
BROWN, LIGHT (MET.)	68	X	UU			X	UU						
BROWN, MEDIUM (MET.)	69	X	UU			X	UU						
CHAMPAGNE (MET.)	36	X	HH			X	—	X	HH				
CREAM	35					X	HH	X	HH				
GREEN, LT. JADE (MET.)	45									X	GG,WW*		
GREEN, JADE (MET.)	47	X	UU			X	GG			X	GG,WW*		
MAROON, LIGHT (MET.)	72	X	UU			X	RR					X	RR
MAROON (MET.)	77	X	RR,UU			X	RR					X	RR,WW*
SILVER (MET.)	16			X	DD					X	—	X	RR
WHITE	11	X	WW	X	DD,WW	X	WW	X	HH,WW	X	GG,WW	X	RR,WW
<b>CUSTOM TWO-TONE (RPO D84) COLORS</b>													
BLUE, LIGHT/BLUE, DARK (METS.)				X	DD								
BROWN, LIGHT (MET.)/BEIGE		X	UU										
BROWN, LIGHT/BROWN, MED. (METS.)		X	—			X	—						
CREAM/CHAMPAGNE (MET.)								X	HH				
GREEN, LIGHT JADE (MET.)/BLACK										X	GG		
GREEN, JADE/GREEN, LIGHT JADE (METS.)										X	BB		
MAROON, LIGHT/MAROON (METS.)		X	RR			X	RR					X	RR

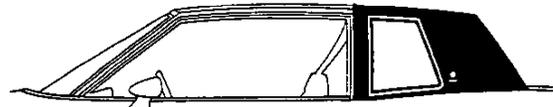
\*WW White not available on Landau Coupe.

**STANDARD INTERIOR TRIM GUIDE** • Cloth seat trim and bench seats standard on Sport Coupe; cloth seat trim and 55/45 seat on Landau Coupe. • All other combinations are optional, including Vinyl trim, 55/45 or bucket seats on Sport Coupe and Special Custom Cloth or Custom Vinyl trim with 55/45 seat.

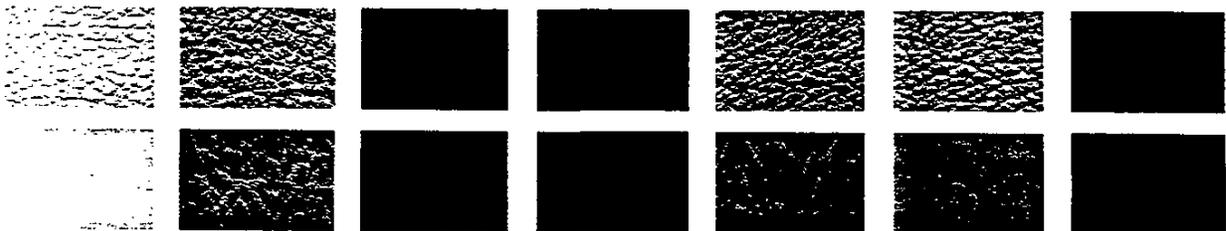
## VINYL ROOF COVERS



Full vinyl roof cover optional for Sport Coupe only. Available in Levant-grain in seven colors (top).



Landau roof cover standard on Monte Carlo Landau Coupe. This roof cover is also now available for Monte Carlo Coupe. Available in Elk-grain vinyl in seven colors (bottom).



WW — White

HH — Champagne\*

BB — Black

DD — Dark Blue\*

GG — Lt. Jade Green\* UU — Beige

RR — Maroon\*

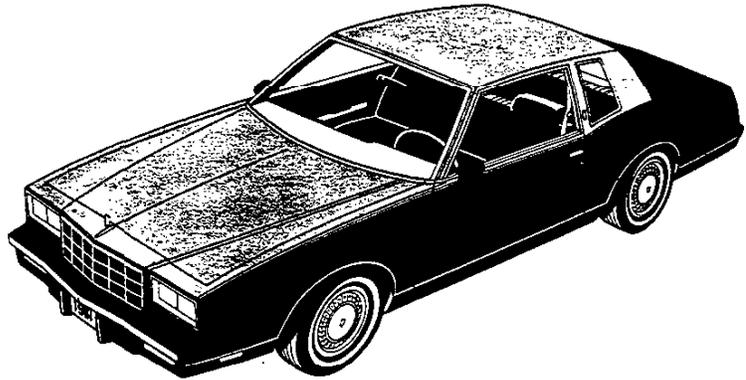
\*Metallic

See Dealer Order Guide for latest available information.

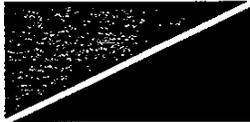
Monte Carlo/13

## Custom Two-Tone Paint (RPO D84)

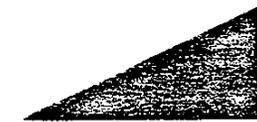
Two-Tone exterior paint with accent color on hood, roof and around side windows. Color-keyed pin striping separates the two colors. Available in choice of seven combinations. Optional for all models.



### Custom Two-Tone Paint Combinations



Blue, Light (Metallic) with Blue, Dark (Metallic) accent color



Cream with Champagne (Metallic) accent color



Green, Light Jade (Metallic) with Black accent color



Green, Jade (Metallic) with Green, Light Jade (Metallic) accent color



Brown, Light (Metallic) with Beige accent color

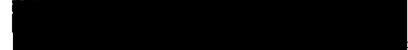


Brown, Light (Metallic) with Brown, Medium (Metallic) accent color

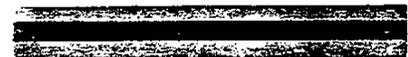


Maroon, Light (Metallic) with Maroon (Metallic) accent color

### Included Pin Striping Colors



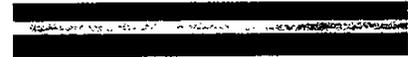
Blue/Dark Blue (Metallic)



Gold/Light Brown (Metallic)



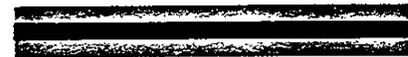
Medium Olive Brown/Champagne



Medium Jade Green/Light Jade Green



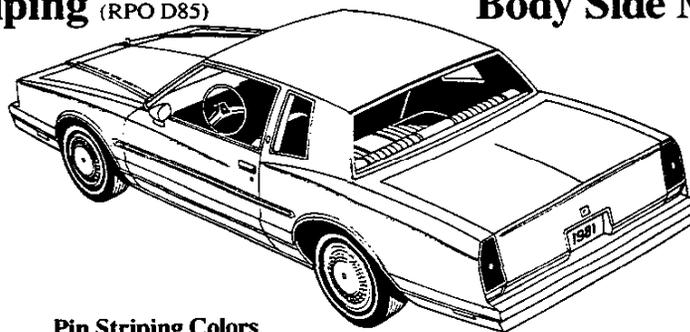
Medium Jade Green/Black



Gold/Maroon

## Body Pin Striping (RPO D85)

On body sides, fenders, deck lid and hood. Available in six dual-stripe colors keyed to exterior/interior colors. Optional on Sport Coupe, included on Landau Coupe.



## Body Side Moldings (RPO BW2)

Bright with color-keyed vinyl insert. Optional for all models, in six different colors keyed to exterior/interior colors.

### Pin Striping Colors



Gold



Light Maroon



Medium Olive Brown



Blue



Beige



Medium Jade Green

### Molding Colors



White



Black



Dark Blue (Metallic)



Light Maroon (Metallic)



Light Jade Green (Metallic)



Beige

## BODY PIN STRIPING AND BODY SIDE MOLDING COMBINATIONS WITHOUT RPO D84 CUSTOM TWO-TONE PAINT

EXTERIOR COLOR	COLOR CODE		INTERIOR TRIM COLOR					
			BEIGE	DARK BLUE	CAMEL	CHAMPAGNE	JADE	MAROON
Beige	63	STRIPE MOLDING VINYL ROOF	R Gold #Beige UU or WW*	R Blue Beige DD or UU	R Gold Beige UU	X Gold Beige N/A	X Gold Beige N/A	R Maroon Beige RR or UU
Black	19	STRIPE MOLDING VINYL ROOF	R Lt Brown Black BB or UU	X Blue Black BB	R Gold Black BB	R Med Olive Brown Black BB	R Med Jade Green Black BB	R Maroon Black BB
Blue, Dark (Met)	29	STRIPE MOLDING VINYL ROOF	R Lt Brown Dk Blue (Met) DD or UU	R Blue #Dk Blue (Met) DD or WW*	R Gold Dk Blue (Met) DD	X Blue Dk Blue (Met) N/A	X Blue Dk Blue (Met) N/A	X Maroon Dk Blue (Met) N/A
Blue, Light (Met)	21	STRIPE MOLDING VINYL ROOF	X Blue Dk Blue (Met) N/A	R Blue #Dk Blue (Met) DD or WW*	X Blue Dk Blue (Met) N/A	X Blue Dk Blue (Met) N/A	X Blue Dk Blue (Met) N/A	X Maroon Dk Blue (Met) N/A
Brown, Light (Met)	68	STRIPE MOLDING VINYL ROOF	R Lt Brown Beige UU	X Lt Brown Beige N/A	A Gold Beige UU	X Lt Brown Beige N/A	X Lt Brown Beige N/A	X Lt Brown Beige N/A
Brown, Med (Met)	69	STRIPE MOLDING VINYL ROOF	R Lt Brown Beige UU	X Lt Brown Beige N/A	A Gold Beige UU	X Lt Brown Beige N/A	X Lt Brown Beige N/A	X Lt Brown Beige N/A
Champagne	36	STRIPE MOLDING VINYL ROOF	A Med Olive Brown White HH	X Med Olive Brown White N/A	X Med Olive Brown White N/A	R Med Olive Brown White HH	X Med Olive Brown White N/A	X Med Olive Brown White N/A
Cream (Met)	35	STRIPE MOLDING VINYL ROOF	X Med Olive Brown White N/A	X Med Olive Brown White N/A	A Med Olive Brown White HH	R Med Olive Brown White HH	X Med Olive Brown White N/A	X Med Olive Brown White N/A
Green, Jade (Met)	47	STRIPE MOLDING VINYL ROOF	R Lt Brown Lt Jade Grn (Met) UU	X Med Jade Green Lt Jade Grn (Met) N/A	A Med Jade Green Lt Jade Grn (Met) GG	X Med Jade Green Lt Jade Grn (Met) N/A	R Med Jade Green Lt Jade Grn (Met) GG or WW*	X Med Jade Green Lt Jade Grn (Met) N/A
Green, Light Jade (Met)	45	STRIPE MOLDING VINYL ROOF	X Med Jade Green Lt Jade Grn (Met) N/A	X Med Jade Green Lt Jade Grn (Met) N/A	X Med Jade Green Lt Jade Grn (Met) N/A	X Med Jade Green Lt Jade Grn (Met) N/A	R Med Jade Green Lt Jade Grn (Met) GG or WW*	X Med Jade Green Lt Jade Grn (Met) N/A
Maroon, Lt (Met)	72	STRIPE MOLDING VINYL ROOF	R Lt Brown Lt Maroon (Met) UU	X Gold Lt Maroon (Met) N/A	A Gold Lt Maroon (Met) RR	X Gold Lt Maroon (Met) N/A	X Gold Lt Maroon (Met) N/A	R Gold Lt Maroon (Met) RR
Maroon (Met)	77	STRIPE MOLDING VINYL ROOF	R Lt Brown Lt Maroon (Met) RR or UU	X Gold Lt Maroon (Met) N/A	R Gold Lt Maroon (Met) RR	X Gold Lt Maroon (Met) N/A	X Gold Lt Maroon (Met) N/A	R Gold Lt Maroon (Met) RR or WW*
Silver (Met)	16	STRIPE MOLDING VINYL ROOF	X Blue White N/A	R Blue White DD	X Blue White N/A	X Blue White N/A	R Med Jade Green White N/A	R Maroon White RR
White	11	STRIPE MOLDING VINYL ROOF	A Gold White WW	R Blue White DD or WW	R Gold White WW	R Med Olive Brown White HH or WW	R Med Jade Green White GG or WW	R Maroon White RR or WW

R = Recommended Combinations  
 A = Acceptable Combinations  
 X = Non-Recommended Combination (Reqs. D60 Non-Recommended Color Combination Option)

\* = White Vinyl Roof N/A Z03 Landau  
 # = With White Roof Cover. Moldings will be White

N/A = Not Available

### WITH RPO D84 CUSTOM TWO-TONE PAINT (No Substitutes Allowed)

EXTERIOR COLOR	COLOR CODE	VINYL ROOF	ACCENT COLOR AND ORDERING CODE	STRIPE (INCLUDED)	MOLDING RPO B84
Blue, Light (Met)	21	DD	Dk Blue (Met) 29M	Blue/Dk Blue (Met)	Dk Blue
Brown, Light (Met)	68	UU	Beige 63M	Gold/Lt Brown (Met)	Beige
Brown, Light (Met)	68	—	Med Brown (Met) 69M	Gold/Lt Brown (Met)	Beige
Cream	35	HH	Champagne (Met) 36M	Med Olive Green/Champagne	Champagne
Green, Jade (Met)	47	BB	Lt Jade Green (Met) 45M	Med Jade Green/Lt Jade Green	Lt Jade Green
Green, Light Jade (Met)	45	GG	Black 19M	Med Jade Green/Black	Lt Jade Green
Maroon, Light (Met)	72	RR	Maroon (Met) 77M	Gold/Maroon	Lt Maroon

See Dealer Order Guide for latest available information.

Monte Carlo/15

# EQUIPMENT SUMMARY

EXTERIOR	Monte Carlo Landau Coupe	Monte Carlo Sport Coupe
Bright grille	S	S
Dual rectangular headlights	S	S
Parking lights located in front bumper	S	S
Body colored front and rear bumpers with bright accent strips	S	S
Sport mirrors LH remote & RH manual	S	EC
Stand-up front end panel ornament	S	S
Bright roof drip molding	S	S
Bright rear quarter window molding	S	S
Bright, wide, lower body side molding with black painted rocker panel	S	S
Body pin striping	S	EC
Wheel opening moldings	S	S
Wheel covers	NA	S
Deluxe wheel covers (Landau style)	S	NA
Landau vinyl roof cover (rear portion)	S	NA
Padded opera vinyl roof cover	NA	EC
Full vinyl roof cover	NA	EC
Bright rear window reveal molding	S	S
Bright deck lid molding	S	S
Side window sill molding	S	EC
Bright hood and fender molding	S	NA
<b>INTERIOR</b>		
55/45 split front seat	S	EC
Special door and quarter trim	S	EC
Bright front seat end panels	S	EC
Door panels with soft trim and integral armrests	S	S
Vinyl door pull straps	S	S
Day/night rearview mirror	S	S
Visor mirror RH	S	EC
Center dome light	S	S
Color-keyed instrument panel, steering wheel, and column	S	S
Glove compartment lock and light	S	S
Instrument panel courtesy lights	S	S
Illuminated ashtray	S	S
Cigarette lighter	S	S
Electric clock	S	S
Color-keyed seat & shoulder belts	S	S
Color-keyed one-piece cut-pile carpeting	S	S
Luggage compartment mat	S	S
Dual horns	S	S
Quiet Sound Group	S	S

<b>POWER TEAMS/CHASSIS/MECHANICAL</b>	<b>Monte Carlo Landau Coupe</b>	<b>Monte Carlo Sport Coupe</b>
3.8 Liter 2-Bbl. V6 (229 cu. in.) engine (Fed.)	S	S
3.8 Liter 2-Bbl. V6 (231 cu. in.) engine (Cal.)	S	S
Automatic transmission	S	S
Power steering	S	S
Forward mounted recirculating ball steering gear and linkage	S	S
Power disc/rear drum brake system	S	S
Vented front disc brake rotors and finned rear brake drums	S	S
Disc brake audible wear sensors	S	S
P195/75R-14 steel-belted radial ply tires and 6" wheels	S	S
Tire wear indicators	S	S
Inside hood release	S	S
Concealed dual-speed electric windshield wipers	S	S
Dual mode flow-thru ventilation system	S	S
Delco Freedom battery with sealed side terminals	S	S
Delcotron generator with built-in solid-state regulator	S	S
Front stabilizer bar	S	S
Full Coil suspension system	S	S
Independent coil-spring spherical joint front suspension (short and long arm type) with low-friction non-metallic spherical joint liners and built-in anti-dive control	S	S
Visible ball joint wear indicators on front suspension lower control arms	S	S
Four-link-type rear suspension with dual bias-mounted upper control arms and parallel-mounted lower control arms	S	S
Direct double-acting sealed-unit hydraulic shock absorbers	S	S
Steel roof panel with double-flanged channel-crossed reinforcing bows	S	S
Box-section design roof rails, windshield and rear window headers	S	S
High-strength double-walled cowl unit-welded to instrument panel, floor and dash panel	S	S
All-welded steel body construction with cowl, roof, underbody, and body panels	S	S
Double panel door, hood, and deck lid	S	S
Counterbalanced hood, deck lid	S	S
Bolt-on front-end sheet metal cushion-mounted to frame and radiator support assembly	S	S
Full perimeter frame	S	S
Inner fenders front and rear	S	S
Cushioned body mounting system	S	S
Heavily ribbed and formed underbody with transverse stiffeners welded to underbody and body sills	S	S
Acoustical sound insulation	S	S
Long recommended service intervals for oil change, oil filter, spark plugs, chassis lubrication, and automatic transmission fluid	S	S

S — Standard EC — Extra Cost NA — Not Available

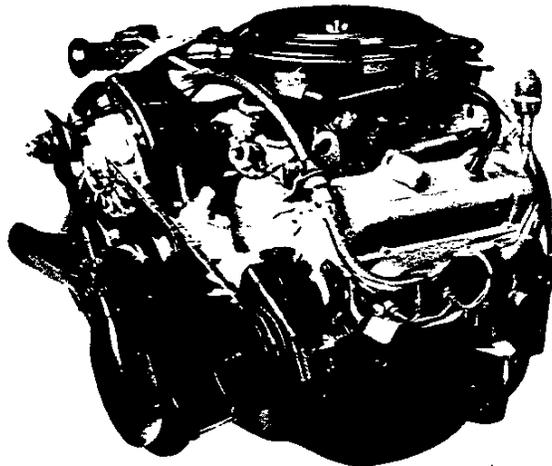
# OPTIONAL EQUIPMENT

	RPO	Monte Carlo Landau Coupe	Monte Carlo Sport Coupe
<b>Air Conditioning.</b> Includes hood insulator, 63-Amp generator	C60	•	•
<b>Axle:</b>			
<b>Limited Slip Differential</b>	G80	•	•
<b>Battery, Heavy-Duty</b>	UA1	•	•
<b>Console.</b> Requires Bucket Seats	D55	NA	•
<b>Cooling, Heavy-Duty</b>	V08	•	•
<b>Defogger, Electric Rear Window</b>	C49	•	•
<b>Door Lock System, Power</b>	AU3	•	•
<b>Engines:</b> See Power Teams for availability			
<b>3.8 Liter 4-Bbl. Turbocharged V6</b>	LC8	•	•
<b>4.4 Liter 2-Bbl. V8. NA in California</b>	L39	•	•
<b>5.0 Liter 4-Bbl. V8. California only</b>	LG4	•	•
<b>Floor Mats, Color-Keyed — Front &amp; Rear</b>	B37	•	•
<b>Gage Package.</b> Includes temperature, voltmeter, oil pressure gages, and trip odometer	UF7	•	•
<b>Generator, 70-Amp Delcotron.</b> Not Available with Rear Defogger with Air Conditioning	K73	•	•
<b>Glass, Tinted</b>	A01	•	•
<b>Headlights, Halogen, Hi-beam</b>	TT5	•	•
<b>Lights, Cornering</b>	T87	•	•
<b>Lighting, Auxiliary.</b> Includes automatic time-delay dome light, luggage compartment light, underhood light, and headlight reminder buzzer	TR9	•	•
<b>Luggage Compartment Trim, Deluxe</b>	B48	•	•
<b>Mirrors:</b>			
<b>Remote Control Outside Rearview — LH</b>	D33	NA	•
<b>Sport, LH Remote &amp; RH Manual</b>	D35	S	•
<b>Sport, Twin Remote</b>	D68	•	•
<b>Visor, RH</b>	D34	S	•
<b>Visor, Illuminated RH</b>	D64	•	•
<b>Moldings:</b>			
<b>Body Side, Deluxe.</b> Color-keyed vinyl center insert, bright upper and lower edges	BW2	•	•
<b>Door Edge Guards</b>	B93	•	•
<b>Side Window Sill</b>	B85	S	•
<b>Paint, Custom Two-Tone</b> (See Color and Trim Selections)	D84	•	•

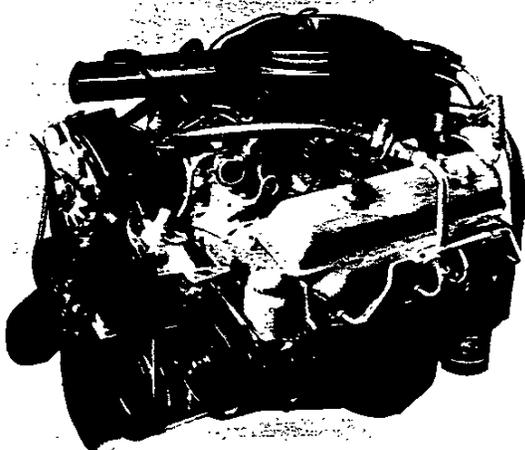
	RPO	Monte Carlo Landau Coupe	Monte Carlo Sport Coupe
<b>Delco Radio Equipment:</b> (Note: Check Dealer Order Guide for other equipment included or required)			
AM Radio	U63	•	•
AM/FM Radio	U69	•	•
AM/FM Stereo Radio	U58	•	•
AM/FM Stereo/Citizens Band Radio with Power Antenna	UP6	•	•
AM/FM Stereo Radio with 8-Track Stereo Tape	UM2	•	•
AM/FM Stereo Radio with Stereo Cassette Tape	UN3	•	•
Speaker, Rear Seat. Requires AM or AM/FM monaural Radio	U80	•	•
Speakers, Dual Rear. Requires AM or AM/FM monaural Radio. Included with all stereos	U81	•	•
Power Antenna. NA with Windshield Antenna	U75	•	•
Windshield Antenna. Included with factory-installed radios NA with Power Antenna	U76	•	•
Roof Cover, Vinyl (See Color and Trim Selections)	—	S	•
Roof Panels, Removable Glass. With tinted glass panels	CC1	•	•
<b>Seat Equipment:</b>			
Six-Way Power Seat. NA with Bucket or std. bench Seats; driver's side only with 55/45 seat	AG9	•	•
Bucket Seats (See Color and Trim Selections)	—	NA	•
55/45 Front Seat (See Color and Trim Selections)	—	S	•
Sky Roof, Power. With sliding steel panel	CA1	•	•
Speed Control, Automatic, with resume-speed	K35	•	•
Steering Wheel, Comfortilt	N33	•	•
Striping Pin, Body. NA with Custom Two-Tone Paint	D85	S	•
<b>Suspension Equipment</b>			
Heavy-Duty Front & Rear Suspension. Includes higher rate front and rear springs and matching shock absorbers. NA with Sport Suspension	F40	•	•
Sport Suspension. Requires P205/70R-14 steel-belted radial ply white-stripe tires. Includes larger diameter front stabilizer bar and rear bar, higher rate springs and matching shock absorbers	F41	•	•
<b>Tires:</b>			
P195/75R-14 Steel-Belted Radial Ply White-Stripe	QXW	•	•
<b>Trim, Interior:</b> (See Color and Trim Selections)			
Special Custom Cloth Interior with 55/45 Seat	—	•	•
Special Interior with Custom Door and Quarter Trim Panels	ZY7	S	•
Vinyl Interior	—	•	•
Trunk Opener, Power	A90	•	•
<b>Wheel Equipment:</b>			
Rally Wheels	ZJ7	NA	•
Wire Wheel Covers	N95	•	•
Aluminum Wheels	N90	•	•
Locking Package, Wheel Cover (Wire Wheel Covers only)	N18	•	•
Windows, Power	A31	•	•
Windshield Wiper System, Intermittent	CD4	•	•

S — Standard • — Optional at extra cost NA — Not Available

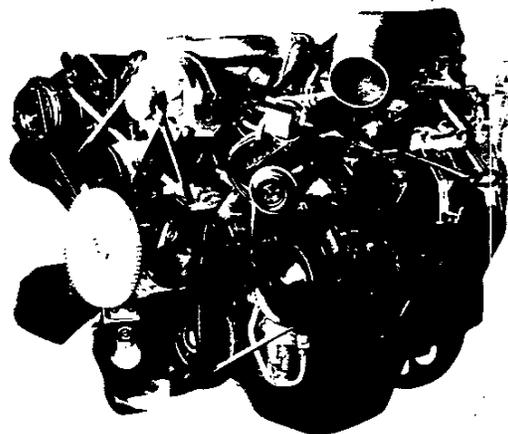
# POWER TEAMS



Standard 3.8 Liter 2-Bbl. V6 Engine



Optional 4.4 Liter 2-Bbl. V8 Engine



Optional 3.8 Liter 4-Bbl. Turbocharged V6 engine

Engine	RPO No.	Power Rating*	Displacement (cubic inches)	Engine Availability	Automatic Transmission RPO MX1	Rear Axle Ratio
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**ALL STATES EXCEPT CALIFORNIA**  
(with Standard Emission System — RPO NA5)

3.8 Liter 2-Bbl. V6 (A)	LC3	110	229	Std.	Std.	2.41
3.8 Liter 4-Bbl. Turbocharged V6 (B)	LC8	170	231	EC	Std.	2.73
4.4 Liter 2-Bbl. V8 (C)	L39	115	267	EC	Std.	2.29

**CALIFORNIA ONLY**  
(with California Emission Requirements — RPO YF5)

3.8 Liter 2-Bbl. V6 (B)	LD5	110	231	Std.	Std.	2.41
3.8 Liter 4-Bbl. Turbocharged V6 (B)	LC8	170	231	EC	Std.	2.73
5.0 Liter 4-Bbl. V8 (C)	LG4	145	305	EC	Std.	2.29**

\*S.A.E. net horsepower as installed. Std. — Standard. EC — Optional at extra cost.  
\*\*2.73 Performance Ratio optional (RPO G92).

- (A) Produced by GM — Chevrolet Motor Division.
- (B) Produced by GM — Buick Motor Division.
- (C) Produced by GM — Chevrolet Motor Division and GM of Canada.

See EPA section for mileage estimates.

# BODY FEATURES

## ANTI-CORROSION MEASURES

As part of a continuing effort the effects of both air and road-borne corrosive elements have been reduced by basic design considerations. In the initial inception of the 1981 Monte Carlo, many areas that might be susceptible to corrosion are actually "designed out." Even the remaining areas are designed in such a way that they can be effectively assembled with corrosion-resisting steels and materials or easily coated during manufacture. Well over 40 areas are treated, and these include:

- Zinc-rich precoated metal is used in the outer rockers, door panels and outer mirror reinforcement . . . in the spare tire well, along the drip molding area and on the rear wheelhousings.
- Zinc-rich precoated metal is also used in the cowl area . . . on the windshield wiper mounting plate, on the upper shroud and window support, plus the instrument panel-to-fender plate and panel-to-chassis brace.
- Zinc-rich metal in the floor and luggage compartment pans, in the body-mounting areas as well as in the gas tank reinforcement.
- Electroprecoated metal with primer is used on the rear quarter outer panels.
- Zinc primer is applied to the lower door panel, dash panel, door hinge pillar and floor pan extensions.
- Zinc chromate and wax spray on the door upper frame.
- Primer and wax spray covers the quarter panel interior pockets and inner door panels.
- Wax-base spray is applied on front

fender inner sides and rear reinforcements.

- Special rust primer and regular primer coats the door open facings, floor pan and door hinges.
- Abrasion-resistant coatings on lower door and quarter outer panels.
- Phosphate oil-impregnated hood hinges.
- Plastisol® film is used to seal trunk lid and door hem flanges.
- Aluminum with precoated metal rear window-to-deck-lid panel support.
- Hot-melt sealer flows into wheel-housing joints during welding.

In addition, precision-molded polymers are used for bumper outer surfaces, front end panel, front fender skirts and heater/air conditioning module. Grille and taillamp and headlamp bezels are bright-finished polymers that won't rust.

## SOUND-DEADENING FEATURES

The process of keeping unwanted sounds from the passenger compartment of the 1981 Monte Carlo began with the very first design stages. The necessary fixture holes and joints are kept to a minimum for easy sealing. From that point on, the various insulators, acoustic materials and applications combine to help make Monte Carlo a pleasantly quiet car to drive or ride. Some of the specific areas of sound-deadening features are listed below:

- A one-piece, molded acoustic material is bonded directly to cut-pile carpeting and covers the entire floor. It provides a more precise fit than conventional multi-piece carpets. The whole carpet

"assembly" itself has a minimum of holes or dirt-catching crevices and provides a highly effective noise barrier.

- The headlining, too, is a one-piece assembly that has a molded backing, covered by a luxurious, thick, foam-backed cloth. It is easier to install and requires less "fitting" to assure a smooth surface.
- Hood insulator pad is standard.
- Sprayed-on mastics and deadeners on wheelhousings and inner door panels plus acoustic pads and/or Amberlite® in the rear ledge, roof quarter and cowl areas add to the level of quiet.
- The door weatherstripping is augmented by door lower auxiliary seals to help keep the road noises out of the passenger compartment.

## FINAL QUALITY STEPS

After the initial anti-corrosion and sound-deadening operations, the assembled body is further primed either by the electrodeposition process or by a spray process using a corrosion-resistant flash primer. A primer surfacer is then applied over the primer.

- After baking, the primer surfacer is wet-sanded both with power sanders and hand sanders to help assure a smooth surface for the color topcoat.
- The color topcoat is then applied to a specified film thickness.
- This topcoat is then thoroughly baked.
- After the final baking process, the finish is carefully checked after final assembly and any mars, nicks or scratches that might have occurred are corrected at the factory before shipment.

# DIMENSIONS/ SPECIFICATIONS

<b>EXTERIOR DIMENSIONS</b>	Coupe and Landau
Wheelbase	108.1
Length (overall)	200.4
Width (overall)	71.8
Height (loaded)	53.9
Front tread	58.5
Rear tread	57.8
Minimum ground clearance	4.6
<b>INTERIOR ROOMINESS</b>	
Head room — front	37.6
Head room — rear	37.8
Leg room — front	42.8
Leg room — rear	36.3
Hip room — front	51.6
Hip room — rear	54.9
Shoulder room — front	56.3
Shoulder room — rear	55.9
<b>LUGGAGE COMPARTMENT</b>	
Liftover height	29.6
Usable luggage space (cu. ft.)	17.1
<b>RATED FUEL TANK CAPACITY (gallons)</b>	18.1
<b>CURB WEIGHT (pounds)</b>	
Monte Carlo Sport Coupe	3190

# COLOR AND TRIM COMBINATIONS

		INTERIOR COLORS					
		BEIGE	DK. BLUE	CAMEL	CHAMPAGNE	JADE	MAROON
<b>MONTE CARLO SPECIAL CUSTOM INTERIOR</b>							
Sport Coupe and Landau (55/45)	Special Custom Cloth	X	X		X	X	X
	Special Custom Vinyl		X	X			X
<b>MONTE CARLO</b>							
Sport Coupe (Bench)	Cloth		X	X		X	X
	Vinyl		X	X	X	X	X
Sport Coupe (Bucket)	Cloth		X	X		X	X
	Vinyl		X	X	X	X	X
Sport Coupe and Landau (55/45)	Cloth		X	X		X	X
	Vinyl		X	X	X	X	X

EXTERIOR COLORS	CODE	INT./EXT. COMB.	VINYL ROOF										
BEIGE	63	X	UU.WW*	X	DD.UU	X	UU					X	RR.UU
BLACK	19	X	BB.UU			X	BB	X	BB	X	BB	X	BB
BLUE, DARK (METALLIC)	29	X	DD.UU	X	DD.WW*	X	DD						
BLUE, LIGHT (METALLIC)	21			X	DD.WW*								
BROWN, LIGHT (METALLIC)	68	X	UU			X	UU						
BROWN, MEDIUM (METALLIC)	69	X	UU			X	UU						
CHAMPAGNE (METALLIC)	36	X	HH			X	—	X	HH				
CREAM	35					X	HH	X	HH				
GREEN, LIGHT JADE (METALLIC)	45									X	GG.WW*		
GREEN, JADE (METALLIC)	47	X	UU			X	GG			X	GG.WW*		
MAROON, LIGHT (METALLIC)	72	X	UU			X	RR					X	RR
MAROON (METALLIC)	77	X	RR.UU			X	RR					X	RR.WW*
SILVER (METALLIC)	16			X	DD					X	—	X	RR
WHITE	11	X	WW	X	DD.WW	X	WW	X	HH.WW	X	GG.WW	X	RR.WW
<b>CUSTOM TWO-TONE (RPO D84) COLORS</b>													
BLUE, LIGHT/BLUE, DARK (METALLICS)				X	DD								
BROWN, LIGHT (METALLIC)/BEIGE		X	UU										
BROWN, LIGHT/BROWN, MEDIUM (METALLICS)		X	—			X	—						
CREAM/CHAMPAGNE (METALLIC)								X	HH				
GREEN, LIGHT JADE (METALLIC)/BLACK										X	GG		
GREEN, JADE/GREEN, LIGHT JADE (METALLICS)										X	BB		
MAROON, LIGHT/MAROON (METALLICS)		X	RR			X	RR					X	RR

\*WW White not available on Landau Coupe.

**STANDARD INTERIOR TRIM GUIDE** • Cloth seat trim and bench seat standard on all models. • All other combinations are optional, including Vinyl trim on bench seat, Vinyl trim on 55/45 or bucket seats or these seats with Cloth trim, and Special Custom Cloth or Special Custom Vinyl trim with 55/45 seat.

# 1981 MONTE CARLO EXTERIOR COLORS

## EXTERIOR COLORS



63 — Beige



69 — Brown, Medium (Metallic)



77 — Maroon (Metallic)



19 — Black



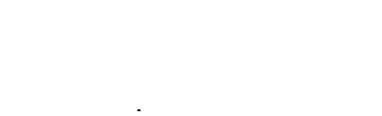
36 — Champagne (Metallic)



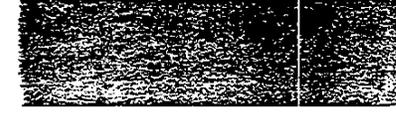
72 — Maroon, Light (Metallic)



29 — Blue, Dark (Metallic)



35 — Cream



16 — Silver (Metallic)



21 — Blue, Light (Metallic)



47 — Green, Jade (Metallic)



11 — White



68 — Brown, Light (Metallic)



45 — Green, Lt. Jade (Metallic)

## CUSTOM TWO-TONE PAINT (RPO D84)



Light Blue (Metallic)  
with Dark Blue  
(Metallic) accent color



Light Jade Green  
(Metallic) with Black  
accent color



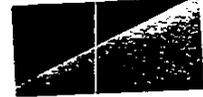
Light Brown  
(Metallic) with Beige  
accent color



Light Maroon (Metallic)  
with Maroon (Metallic)  
accent color



Cream with  
Champagne (Metallic)  
accent color



Jade Green (Metallic)  
with Light Jade Green  
(Metallic) accent color



Light Brown (Metallic)  
with Medium Brown  
(Metallic) accent color

NOTE: Accent color on hood,  
roof and around side windows.

## VINYL ROOF COVERS

All models Elk-grain.



WW — White



BB — Black



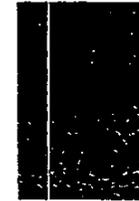
DD — Dark Blue\*



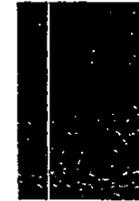
GG — Light Jade  
Green\*



UU — Beige



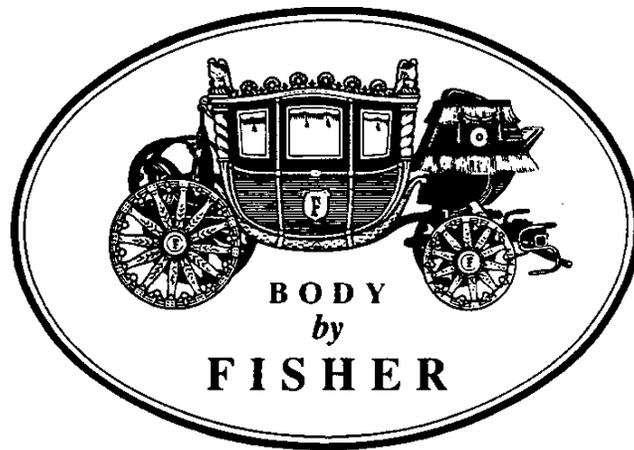
RR — Maroon\*



HH — Champagne\*

\*Metallic

**It's a comfort to know  
it's Body by Fisher**





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## ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description	Option Number	Description
AG9	SEAT, POWER: Six-Way	NA5	EMISSION SYSTEM: Standard Emission Equipment
AU3	DOOR LOCK SYSTEM, POWER	N18	WHEEL COVER LOCKING PACKAGE
A01	GLASS, TINTED: All Windows	N33	STEERING WHEEL: Comfortilt
A31	WINDOWS, POWER	N90	WHEEL TRIM: Wheels, Aluminum
A90	TRUNK OPENER, POWER	N95	WHEEL TRIM: Wheel Covers, Wire
BW2	MOLDINGS: Body Side, Deluxe	P42	PUNCTURE SEALANT TIRES
B3W	PRELIMINARY PRICE INFORMATION	QXV	TIRES: P195/75 R-14 Blackwall (Radial)
B37	FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear	QXW	TIRES: P195/75 R-14 Whitewall (Radial)
B48	LUGGAGE COMPARTMENT TRIM, DELUXE	QYB	TIRES: P205/70 R-14 Whitewall (Radial)
B85	MOLDINGS: Side Window Sill	TR9	LIGHTING, AUXILIARY
B93	MOLDINGS: Door Edge Guard	TT5	HEADLAMPS, HALOGEN HI-BEAM
CA1	SKY ROOF, POWER	T87	LAMPS, CORNERING
CC1	ROOF PANELS: Removable Glass	UA1	BATTERY, HEAVY-DUTY
CD4	WINDSHIELD WIPER SYSTEM: Intermittent	UF7	GAGE PACKAGE WITH TRIP ODOMETER
C04	ROOF COVER: Padded Opera Vinyl	UM2	RADIO EQUIPMENT: AM/FM Stereo Radio with 8-Track Stereo Tape
C09	ROOF COVER, VINYL: Full	UN3	RADIO EQUIPMENT: AM/FM Stereo Radio with Stereo Cassette Tape
C49	DEFOGGER, REAR WINDOW: Electric	UP6	RADIO EQUIPMENT: AM/FM Stereo/Citizens Band Radio with Power Antenna
C60	AIR CONDITIONING	U58	RADIO EQUIPMENT: AM/FM Stereo Radio
D33	MIRROR: Outside Rearview, LH Remote Control	U63	RADIO EQUIPMENT: AM Radio
D34	MIRROR: RH Visor	U69	RADIO EQUIPMENT: AM/FM Radio
D35	MIRRORS: Sport, LH Remote and RH Manual	U75	RADIO EQUIPMENT: Power Antenna
D55	CONSOLE	U76	RADIO EQUIPMENT: Windshield Antenna
D60	NON-RECOMMENDED COLOR COMBINATION	U80	RADIO EQUIPMENT: Speaker, Rear Seat
D64	MIRROR: RH Visor, Illuminated	U81	RADIO EQUIPMENT: Speakers, Dual Rear
D68	MIRRORS: Sport, Twin Remote	V08	COOLING, HEAVY-DUTY
D84	PAINT: Custom Two-Tone	YF5	EMISSION SYSTEM: California Emission Requirements
D85	STRIPING, PIN: Body	ZJ7	WHEEL TRIM: Wheels, Rally
F40	SUSPENSION EQUIPMENT: Suspension, Heavy-Duty Front and Rear	ZY7	DOOR AND QUARTER TRIM PANELS, CUSTOM
F41	SUSPENSION EQUIPMENT: Suspension, Sport	Z03	LANDAU (Model Option)
G80	AXLE, REAR: Limited Slip Differential	19M	ACCENT COLOR: Black
G92	AXLE, REAR: Performance Ratio	29M	ACCENT COLOR: Dark Blue Metallic
K35	SPEED CONTROL WITH RESUME SPEED: Automatic	36M	ACCENT COLOR: Champagne Metallic
K73	GENERATOR: 70-Amp Delcotron	45M	ACCENT COLOR: Light Jade Green Metallic
LC3	ENGINE: 3.8 Liter 2 BBL V6	63M	ACCENT COLOR: Beige
LC8	ENGINE: 3.8 Liter 4 BBL Turbocharged V6	69M	ACCENT COLOR: Medium Brown Metallic
LD5	ENGINE: 3.8 Liter 2 BBL V6	77M	ACCENT COLOR: Maroon Metallic
LG4	ENGINE: 5.0 Liter 4 BBL V8		
L39	ENGINE: 4.4 Liter 2 BBL V8		

# MONTE CARLO LANDAU

## COLOR AND TRIM SELECTION (Refer Page 6 for Additional Information)

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		Beige	Dk Blue	Camel	Champagne	Jade	Maroon
MODEL	SEAT TYPE						
1AZ37/ 203	Special Custom Cloth 55/45 .....	LUU3	LDD3		LHH3	LGG3	LRR3
	Special Custom Vinyl 55/45 .....		SDD3	SCC3			SRR3
	Cloth 55/45 .....		CDD3	CCC3		CGG3	CRR3
	Vinyl 55/45 .....		VDD3	VCC3	VHH3	VGG3	VRR3

### WITH D84 CUSTOM TWO-TONE PAINT (ACCENT COLOR MUST BE SPECIFIED) (D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L	Vinyl	Accent Color and Ordering Code#	Beige	Dk Blue	Camel	Champagne	Jade	Maroon
Blue, Light (Met)	21	DD	Dk Blue (Met) 29M		R				
Brown, Light (Met)	68	UU	Beige 63M	R					
Cream	35	HH	Champagne 36M				R		
Green Jade (Met)	47	GG	Lt Jade Grn (Met) 45M					R	
Green, Lt Jade (Met)	45	BB	Black 19M					R	
Maroon, Light (Met)	72	RR	Maroon (Met) 77M	A					R

#Must be Ordered

### WITHOUT D84 CUSTOM TWO-TONE PAINT VINYL ROOF REQUIRED. SEE VINYL ROOF SELECTOR

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

Beige	63	R	R	R				R
Black	19	R	R	R	R		R	R
Blue, Dark (Met)	29	R	R	R				
Blue, Light (Met)	21		R					
Brown, Light (Met)	68	R		A				
Brown, Medium (Met)	69	R		A				
Champagne (Met)	36				R			
Cream	35				R			
Green, Jade (Met)	47					R		
Green, Lt Jade (Met)	45					R		
Maroon, Light (Met)	72	R						R
Maroon (Met)	77	R						R
Silver (Met)	16		R			R	R	R
White	11	A	R	R	R	R	R	R

### VINYL ROOF SELECTOR

	L	U	U	U	U	U	U
Beige	63	UU	DD or UU	UU			RR or UU
Black	19	BB or UU		BB	BB	BB	BB
Blue, Dark (Met)	29	DD or UU	DD	DD			
Blue, Light (Met)	21		DD				
Brown, Light (Met)	68	UU		UU			
Brown, Medium (Met)	69	UU		UU			
Champagne (Met)	36				HH		
Cream	35				HH		
Green, Jade (Met)	47					GG	
Green, Lt Jade (Met)	45					GG	
Maroon, Light (Met)	72	UU					RR
Maroon (Met)	77	RR or UU					RR
Silver (Met)	16		DD				RR
White	11	WW	DD or WW	WW	HH or WW	GG or WW	RR or WW

L = Lower U = Upper

### VINYL ROOF COLORS

WHITE ..... WW      DARK BLUE (MET) ..... DD      BEIGE ..... UU      CHAMPAGNE (MET) .... HH  
BLACK ..... BB      LT JADE GREEN (MET) . GG      MAROON (MET) ..... RR

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

ENGINE OPTION CONDITION	AXLE RATIO		
	2.29	2.41	2.73
<b>WITH NA5 STANDARD EMISSIONS</b>			
LC3 .....	—	Std.	—
LC8 .....	—	—	Std
L39 .....	Std	—	—
<b>WITH YF5 CALIFORNIA EMISSIONS</b>			
LDS .....	—	Std	—
LC8 .....	—	—	Std
LG4 .....	Std	—	G92

# MONTE CARLO LANDAU

REFER WEEKLY STOPS/LATEST UPDATE

**MODEL**  
**1AZ37/Z03** Monte Carlo Landau Coupe  
**Z03** Landau (Reqs Vinyl Roof Cover) (Incls Sport Mirrors, RH Visor Mirror, Pin Striping, Custom Door and Trim Panels, 55/45 Seat, Side Window Sill Moldings and specific Wheel Trim)

**EMISSION SYSTEMS: MUST ORDER ONE (See Power Teams)**

\_\_\_\_\_ **NA5** Standard Emission Equipment  
 \_\_\_\_\_ **YF5** California Emission Requirements

**ENGINES: MUST ORDER ONE**

**AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT**  
 \_\_\_\_\_ **LC3** 3.8 Liter 2 BBL V6  
 \_\_\_\_\_ **LC8** 3.8 Liter 4 BBL Turbocharged V6  
 \_\_\_\_\_ **LC9** 4.4 Liter 2 BBL V8

**AVAILABLE WITH YF5 CALIFORNIA EMISSION REQUIREMENTS**  
 \_\_\_\_\_ **LD5** 3.8 Liter 2 BBL V6  
 \_\_\_\_\_ **LC8** 3.8 Liter 4 BBL Turbocharged V6  
 \_\_\_\_\_ **LG4** 5.0 Liter 4 BBL V8

## ✓ QUICK-SPEC

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

		4	4	4	4	4
		6	6	6	6	6
		5	6	7	8	9
		A	B	B	B	B
Landau	Z03	x	x	x	x	x
Air Conditioning	C60	x	x	x	x	x
Glass, Tinted	A01	x	x	x	x	x
Mats, Color-Keyed Floor	B37	x	x	x	x	x
Moldings, Body Side Deluxe	BW2	x	x	x	x	x
Radio, AM	U63	x	N/I	N/I	N/I	N/I
Steering Wheel, Comfortilt	N33	x	x	x	x	x
Tires, P195/75 R-14 Whitewall	QXW	x	x	x	x	x
Defogger, Rear Window Electric	C49	x	x	x	x	x
Lighting, Auxiliary	TR9	x	x	x	x	x
Moldings, Door Edge Guard	B93	x	x	x	x	x
Radio, AM/FM	U69	x	N/I	N/I	N/I	N/I
Speaker, Rear Seat	U80	x	N/I	N/I	N/I	N/I
Speed Control with Resume Speed	K35	x	x	x	x	x
Windows, Power	A31	x	x	x	x	x
Door Lock System, Power	AU3	x	x	x	x	x
Gage Package with Trip Odometer	UF7	x	x	x	x	x
Radio, AM/FM Stereo	U58	x	N/I	N/I	N/I	N/I
Wheel Covers, Locking Package	N18	x	x	x	N/I	N/I
Wheel Covers, Wire	N95	x	x	x	N/I	N/I
W/S Wiper System, Intermittent	CD4	x	x	x	x	x
Mirrors, Twin Remote Sport	D68	x	x	x	x	x
Power Antenna	U75	x	x	x	x	x
Radio, AM/FM Stereo w/8-Track Stereo Tape	UM2	x	N/I	N/I	N/I	N/I
Seat, Power	AG9	x	x	x	x	x
Trunk Opener, Power	A90	x	x	x	x	x
Headlamps, Halogen Hi-Beam	TT5	x	x	x	x	x
Luggage Compartment Trim	B48	x	x	x	x	x
Mirror, Illuminated RH Visor	D64	x	x	x	x	x
Radio AM/FM Stereo Radio w/Stereo Cassette Tape	UN3	x	x	x	x	x
Wheels, Aluminum	N90	x	x	x	x	x

## ✓ PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q.S.	OPTION	
465	C60	<b>AIR CONDITIONING</b>
		<b>AXLES, REAR:</b>
	G92	—Performance Ratio (See Power Teams Chart) (Reqs LG4 Eng and YF5 Calif)
	G80	—Limited Slip Differential
	UA1	<b>BATTERY, HEAVY-DUTY</b>
	V08	<b>COOLING, HEAVY-DUTY</b>
466	C49	<b>DEFOGGER, REAR WINDOW:</b> Electric
467	AU3	<b>DOOR LOCK SYSTEM, POWER</b>
465	B37	<b>FLOOR COVERING:</b> Mats, Color-Keyed Floor. Front and Rear
467	UF7	<b>GAGE PACKAGE WITH TRIP ODOMETER</b>
	K73	<b>GENERATOR:</b> 70-Amp Delcotron (N/A C49 Defogger w/C60 Air) (N/A LD5 Eng) (N/A C60 Air w/LC8 Eng)
465	A01	<b>GLASS, TINTED:</b> All Windows
469	TT5	<b>HEADLAMPS, HALOGEN HI-BEAM</b>
	T87	<b>LAMPS, CORNERING</b>
466	TR9	<b>LIGHTING, AUXILIARY</b>
469	B48	<b>LUGGAGE COMPARTMENT TRIM, DELUXE</b>
		<b>MIRRORS:</b>
468	D68	—Sport, Twin Remote
469	D64	—RH Visor, Illuminated
		<b>MOLDINGS:</b>
465	BW2	—Body Side, Deluxe (See Page 6 for Color Application)
466	B93	—Door Edge Guard
	D84	<b>PAINT, CUSTOM TWO-TONE:</b> (Refer Page 2 for Exterior Paint Availability and Page 6 for Add'l Information)
	B3W	<b>PRELIMINARY PRICE INFORMATION</b>
		<b>RADIO EQUIPMENT:</b>
465	U63	—AM Radio
466	U69	—AM/FM Radio
467	U58	—AM/FM Stereo Radio
468	UM2	—AM/FM Stereo Radio w/8-Track Stereo Tape
469	UN3	—AM/FM Stereo Radio w/Stereo Cassette Tape
	UP6	—AM/FM Stereo/Citizens Band Radio w/Power Antenna (N/A U75 Antenna)
466	U80	—Speaker, Rear Seat (Reqs U63 or U69 Radio)
	U81	—Speakers, Dual Rear (Reqs U63 or U69 Radio) (Incl w/U58, UM2, UN3 or UP6 Radio)
	U76	—Windshield Antenna (N/A UP6 Radio) (Incl with Above Radio Equip w/o U75 Antenna)
468	U75	—Power Antenna (Reqs U63, U69, U58, UM2 or UN3 Radio) (N/A U76 Antenna)
		<b>ROOF COVER, LANDAU VINYL:</b> (See Vinyl Roof Selector)
	CC1	<b>ROOF, PANELS:</b> Removable Glass (N/A CA1 Skyroof)
468	AG9	<b>SEAT, POWER:</b> Six-Way (Driver's Side Only)
	CA1	<b>SKY ROOF, POWER</b>
466	K35	<b>SPEED CONTROL WITH RESUME SPEED:</b> Automatic
465	N33	<b>STEERING WHEEL:</b> Comfortilt
		<b>SUSPENSION EQUIPMENT:</b>
	F40	—Heavy-Duty Front and Rear (N/A F41 Susp)
	F41	—Sport (Reqs QYB Tires)
		<b>TIRES:</b> (B/W: Blackwall, W/W: Whitewall)
		Steel Belted Radial Ply
		—P195/75 R-14 B/W (Base)
465	QXW	—P195/75 R-14 W/W
	QYB	—P205/70 R14 W/W (Reqs F41 Susp)
	P42	—Puncture Sealant Tires (Reqs QXW Tires)
468	A90	<b>TRUNK OPENER, POWER</b>
		<b>WHEEL TRIM:</b>
469	N90	—Wheels, Aluminum
467	N95	—Wheel Covers, Wire
467	N18	<b>WHEEL COVER LOCKING PACKAGE:</b> (Reqs N95 Wheel Covers)
466	A31	<b>WINDOWS:</b> Power
467	CD4	<b>WINDSHIELD WIPER SYSTEM:</b> Intermittent

# MONTE CARLO

## COLOR AND TRIM SELECTION (Refer Page 6 for Additional Information)

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		Beige	Dk Blue	Camel	Champagne	Jade	Maroon
MODEL		SEAT TYPE					
1AZ37	Special Custom Cloth 55/45 .....	LUU3	LDD3	SCC3	LHH3	LGG3	LRR3
	Special Custom Vinyl 55/45 .....		SDD3				SRR3
	Cloth Bench .....		CDD1	CCC1		CGG1	CRR1
	Cloth Bucket .....		*CDD2	*CCC2		*CGG2	*CRR2
	Cloth 55/45 .....		*CDD3	*CCC3		*CGG3	*CRR3
	Vinyl Bench .....		VDD1	VCC1	VHH1	VGG1	VRR1
Vinyl Bucket .....		*VDD2	*VCC2	*VHH2	*VGG2	*VRR2	
Vinyl 55/45 .....		*VDD3	*VCC3	*VHH3	*VGG3	*VRR3	

\*Incls ZY7 Custom Door and Quarter Trim Panels

### WITH D84 CUSTOM TWO-TONE PAINT (N/A C09 FULL VINYL ROOF) (ACCENT COLOR MUST BE SPECIFIED) (D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L U or Vinyl	Accent Color and Ordering Code#	Beige	Dk Blue	Camel	Champagne	Jade	Maroon
Blue, Light (Met)	21 21 DD	Dk Blue (Met) 29M		R				
Brown, Light (Met)	68 68 UU	Beige 63M	R					
Brown, Light (Met)	68 68 —	Med Brown (Met) 69M	R		R			
Cream	35 35 HH	Champagne (Met) 36M				R		
Green, Jade (Met)	47 47 GG	Lt Jade Grn (Met) 45M					R	
Green, Lt Jade (Met)	45 45 BB	Black 19M					R	
Maroon, Light (Met)	72 72 RR	Maroon (Met) 77M	A					R

#Must be Ordered

### WITHOUT D84 CUSTOM TWO-TONE PAINT

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

Beige	63 63		R	R	R			R
Black	19 19		R		R	R	R	R
Blue, Dark (Met)	29 29		R		R			
Blue, Light (Met)	21 21			R				
Brown, Light (Met)	68 68		R		A			
Brown, Med (Met)	69 69		R		A			
Champagne (Met)	36 36					R		
Cream	35 35					R		
Green, Jade (Met)	47 47						R	
Green, Lt Jade (Met)	45 45						R	
Maroon, Light (Met)	72 72		R					R
Maroon (Met)	77 77		R					R
Silver (Met)	16 16			R			R	R
White	11 11		A	R	R	R	R	R

### VINYL ROOF SELECTOR (NOTE! VINYL ROOF CODE C04 OR C09 MUST BE SPECIFIED)

	L	U	U	U	U	U	U
Beige	63	WW or UU	DD or UU	UU			RR or UU
Black	19	BB or UU		BB	BB	BB	BB
Blue, Dark (Met)	29		DD or WW	DD			
Blue, Light (Met)	21		DD or WW				
Brown, Light (Met)	68	UU		UU			
Brown, Med (Met)	69	UU		UU			
Champagne (Met)	36				HH		
Cream	35				HH		
Green, Jade (Met)	47					GG or WW	
Green Lt Jade (Met)	45					GG or WW	
Maroon, Light (Met)	72	UU					RR
Maroon (Met)	77	RR or UU					RR or WW
Silver (Met)	16		DD				RR
White	11	WW	DD or WW	WW	HH or WW	GG or WW	RR or WW

L = Lower U = Upper

### VINYL ROOF COLORS

WHITE ..... WW    DARK BLUE (MET) ..... DD    BEIGE ..... UU    CHAMPAGNE (MET) .... HH  
 BLACK ..... BB    LT JADE GREEN (MET) . GG    MAROON (MET) ..... RR

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

ENGINE OPTION CONDITION	AXLE RATIO		
	2.29	2.41	2.73
<b>WITH NA5 STANDARD EMISSIONS</b>			
LC3	—	Std.	—
LC8	—	—	Std.
L39	Std.	—	—
<b>WITH YF5 CALIFORNIA EMISSIONS</b>			
LD5	—	Std.	—
LC8	—	—	Std.
LG4	Std.	—	G92

# MONTE CARLO

REFER WEEKLY STOPS/LATEST UPDATE

<b>MODEL</b>		1A237 Monte Carlo Sport Coupe				
<b>EMISSION SYSTEMS: MUST ORDER ONE (See Power Teams)</b>						
_____NA5 Standard Emission Equipment						
_____YF5 California Emission Requirements						
<b>ENGINES: MUST ORDER ONE</b>						
<b>AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT</b>						
_____LC3 3.8 Liter 2 BBL V6						
_____LC8 3.8 Liter 4 BBL Turbocharged V6						
_____L39 4.4 Liter 2 BBL V8						
<b>AVAILABLE WITH YF5 CALIFORNIA EMISSION REQUIREMENTS</b>						
_____LD5 3.8 Liter 2 BBL V6						
_____LC8 3.8 Liter 4 BBL Turbocharged V6						
_____LG4 5.0 Liter 4 BBL V8						
<b>✓ QUICK-SPEC</b>						
<b>IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.</b>		4	4	4	4	4
		6	6	6	6	6
		0	1	2	3	4
		A	A	B	B	B
Door and Quarter Trim Panels, Cust	ZY7	x	x	x	x	x
Air Conditioning	C60	x	x	x	x	x
Console (w/Bucket Seats Only)	D55	x	x	x	x	x
Glass, Tinted	A01	x	x	x	x	x
Mirror, LH Remote	D33	x	x	N/I	N/I	N/I
Moldings, Body Side Deluxe	BW2	x	x	x	x	x
Radio, AM	U63	x	x	N/I	N/I	N/I
Tires, P195/75 R-14 Whitewall	QXW	x	x	x	x	x
Lighting, Auxiliary	TR9	x	x	x	x	x
Mats, Color-Keyed Floor	B37	x	x	x	x	x
Moldings, Door Edge Guard	B93	x	x	x	x	x
Moldings, Side Window Sill	B85	x	x	x	x	x
Speed Control with Resume Speed	K35	x	x	x	x	x
Steering Wheel, Comfortilt	N33	x	x	x	x	x
Wheels, Rally	ZJ7	x	x	N/I	N/I	N/I
Defogger, Rear Window Electric	C49	x	x	x		
Door Lock System, Power	AU3	x	x	x		
Mirrors, Sport LH Rem, RH Man	D35	x	x	x		
Radio, AM/FM	U69	x	N/I	N/I		
Speaker, Rear Seat	U80	x	N/I	N/I		
Windows, Power	A31	x	x	x		
Gage Package with Trip Odometer	UF7		x	x		
Radio, AM/FM Stereo	U58		x	N/I		
Wheel Cover Locking Package	N18		x	x		
Wheel Covers, Wire	N95		x	x		
W/S Wiper System, Intermittent	CD4		x	x		
Power Antenna	U75				x	
Radio, AM/FM Stereo w/8-Track Stereo						
Tape	UM2				x	
Seat, Power (w/55/45 Seat only)	AG9				x	
Trunk Opener, Power	A90				x	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING	
QS	OPTION
460	C60 <b>AIR CONDITIONING</b>
	<b>AXLES, REAR:</b>
	_____G92 Performance Ratio (See Power Teams Chart) (Reqs LG4 Eng and YF5 Calif)
	_____G80 Limited Slip Differential
	_____UA1 <b>BATTERY, HEAVY-DUTY</b>
460	D55 <b>CONSOLE: (Reqs Bucket Seats)</b>
	_____V08 <b>COOLING, HEAVY-DUTY</b>
462	C49 <b>DEFOGGER, REAR WINDOW: Electric</b>
460	ZY7 <b>DOOR AND QUARTER TRIM PANELS, CUSTOM:</b> (N/A Special Custom Trim) (Available with Bench Seat) (Incl w/Bucket and 55/45 Seats)

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING	
QS	OPTION
462	AU3 <b>DOOR LOCK SYSTEM, POWER</b>
461	B37 <b>FLOOR COVERING: Mats, Color-Keyed Floor. Front and Rear</b>
463	UF7 <b>GAGE PACKAGE WITH TRIP ODOMETER</b>
	K73 <b>GENERATOR: 70-Amp Delcotron (N/A C49 Defogger w/C60 Air) (N/A LD5 Eng) (N/A C80 Air w/LC8 Eng)</b>
460	A01 <b>GLASS, TINTED: All Windows</b>
	TT5 <b>HEADLAMPS, HALOGEN HI-BEAM</b>
	T87 <b>LAMPS, CORNERING</b>
461	TR9 <b>LIGHTING, AUXILIARY</b>
	B48 <b>LUGGAGE COMPARTMENT TRIM, DELUXE</b>
	<b>MIRRORS:</b>
	_____D33 Outside Rearview, LH Remote Control
462	D35 Sport, LH Remote and RH Manual
	D68 Sport, Twin Remote
	D34 RH Visor
	D64 RH Visor, Illuminated
	<b>MOLDINGS:</b>
460	BW2 Body Side, Deluxe (See Page 6 for Color Application)
461	B93 Door Edge Guard
461	B85 Side Window Sill
	D84 <b>PAINT, CUSTOM TWO-TONE: (Refer Page 4 for Exterior Paint Availability and Page 6 for Add'l Information)</b>
	B3W <b>PRELIMINARY PRICE INFORMATION</b>
	<b>RADIO EQUIPMENT:</b>
460	U63 AM Radio
462	U69 AM/FM Radio
463	U58 AM/FM Stereo Radio
464	UM2 AM/FM Stereo Radio w/8-Track Stereo Tape
	UN3 AM/FM Stereo Radio w/Stereo Cassette Tape
	UP6 AM/FM Stereo/Citizens Band Radio w/Power Antenna (N/A U75 Antenna)
462	U80 Speaker, Rear Seat (Reqs U63 or U69 Radio)
	U81 Speakers, Dual Rear (Reqs U63 or U69 Radio) (Incl w/U58, UM2, UN3 or UP6 Radio)
	U76 Windshield Antenna (N/A UP6 Radio) (Incl with Above Radio Equip w/o U75 Antenna)
464	U75 Power Antenna (Reqs U63, U69, U58, UM2 or UN3 Radio) (N/A U76 Antenna)
	<b>ROOF COVER VINYL: (See Vinyl Roof Selector)</b>
	_____C04 Padded Opera Vinyl
	_____C09 Full (N/A D84 Paint)
	CC1 <b>ROOF PANELS: Removable Glass (N/A CA1 Sky Roof or C09 Full Vinyl Roof)</b>
464	AG9 <b>SEAT, POWER: Six-Way (Reqs 55/45 Seat) (Driver's side only)</b>
	CA1 <b>SKY ROOF, POWER</b>
461	K35 <b>SPEED CONTROL WITH RESUME SPEED: Automatic</b>
461	N33 <b>STEERING WHEEL: Comfortilt</b>
	D85 <b>STRIPING, PIN: Body (N/A D84 Paint) (Refer to Page 6 for Stripe Color Application)</b>
	<b>SUSPENSION EQUIPMENT:</b>
	_____F40 Heavy-Duty Front and Rear (N/A F41 Susp)
	_____F41 Sport (Reqs QYB Tires)
	<b>TIRES: (B/W: Blackwall, W/W: Whitewall)</b>
	Steel Belted Radial Ply
	_____QXV P195/75 R-14 B/W (Base)
460	QXW P195/75 R-14 W/W
	QYB P205/70 R-14 W/W (Reqs F41 Susp)
	P42 Puncture Sealant Tires (Reqs QXW Tires)
464	A90 <b>TRUNK OPENER, POWER</b>
	<b>WHEEL TRIM:</b>
	_____N90 Wheels, Aluminum
463	N95 Wheel Covers, Wire
461	ZJ7 Wheels, Rally
463	N18 <b>WHEEL COVER LOCKING PACKAGE: (Reqs N95 Wheel Covers)</b>
462	A31 <b>WINDOWS: Power</b>
463	CD4 <b>WINDSHIELD WIPER SYSTEM: Intermittent</b>

# MONTE CARLO

## WITHOUT D84 CUSTOM TWO-TONE PAINT

STRIPE COLOR ONLY WHEN D85 STRIPE OR Z03 IS ORDERED.  
MOLDING COLOR ONLY WHEN BW2 MOLDING IS ORDERED  
VINYL ROOF — ONLY WHEN APPROPRIATE ORDERING CODE IS INDICATED

EXTERIOR PAINT COLOR	INTERIOR TRIM COLOR					
	BEIGE	DK BLUE	CAMEL	CHAMPAGNE	JADE	MAROON
<b>BEIGE</b> 63 Stripe Molding Vinyl Roof	R GOLD #BEIGE UU OR WW*	R BLUE BEIGE DD OR UU	R GOLD BEIGE UU	GOLD BEIGE N/A	GOLD BEIGE N/A	R MAROON BEIGE RR OR UU
<b>BLACK</b> 19 Stripe Molding Vinyl Roof	R BEIGE BLACK DD OR UU	BLUE BLACK DD	R GOLD BLACK DD	R MED OLIVE BROWN BLACK DD	R MED JADE GREEN BLACK DD	R MAROON BLACK DD
<b>BLUE, DARK(MET)</b> 29 Stripe Molding Vinyl Roof	R BEIGE DK BLUE(MET) DD OR UU	R BLUE #DK BLUE(MET) DD OR WW*	R GOLD DK BLUE(MET) DD	BLUE DK BLUE(MET) N/A	BLUE DK BLUE(MET) N/A	MAROON DK BLUE(MET) N/A
<b>BLUE, LIGHT(MET)</b> 21 Stripe Molding Vinyl Roof	BLUE DK BLUE(MET) N/A	R BLUE #DK BLUE(MET) DD OR WW*	BLUE DK BLUE(MET) N/A	BLUE DK BLUE(MET) N/A	BLUE DK BLUE(MET) N/A	MAROON DK BLUE(MET) N/A
<b>BROWN, LIGHT(MET)</b> 68 Stripe Molding Vinyl Roof	R BEIGE BEIGE UU	BEIGE BEIGE N/A	A GOLD BEIGE UU	BEIGE BEIGE N/A	BEIGE BEIGE N/A	BEIGE BEIGE N/A
<b>BROWN, MED(MET)</b> 69 Stripe Molding Vinyl Roof	R BEIGE BEIGE UU	BEIGE BEIGE N/A	A GOLD BEIGE UU	BEIGE BEIGE N/A	BEIGE BEIGE N/A	BEIGE BEIGE N/A
<b>CHAMPAGNE(MET)</b> 38 Stripe Molding Vinyl Roof	MED OLIVE BROWN WHITE HH	MED OLIVE BROWN WHITE N/A	MED OLIVE BROWN WHITE N/A	R MED OLIVE BROWN WHITE HH	MED OLIVE BROWN WHITE N/A	MED OLIVE BROWN WHITE N/A
<b>CREAM</b> 35 Stripe Molding Vinyl Roof	MED OLIVE BROWN WHITE N/A	MED OLIVE BROWN WHITE N/A	MED OLIVE BROWN WHITE HH	R MED OLIVE BROWN WHITE HH	MED OLIVE BROWN WHITE N/A	MED OLIVE BROWN WHITE N/A
<b>GREEN, JADE(MET)</b> 47 Stripe Molding Vinyl Roof	R BEIGE LT JADE GREEN(MET) UU	MED JADE GREEN LT JADE GREEN(MET) N/A	MED JADE GREEN LT JADE GREEN(MET) GG	MED JADE GREEN LT JADE GREEN(MET) N/A	R MED JADE GREEN #LT JADE GRN(MET) GG OR WW*	MED JADE GREEN LT JADE GREEN(MET) N/A
<b>GREEN, LIGHT JADE(MET)</b> 45 Stripe Molding Vinyl Roof	MED JADE GREEN LT JADE GREEN(MET) N/A	R MED JADE GREEN #LT JADE GREEN(MET) GG OR WW*	MED JADE GREEN LT JADE GREEN(MET) N/A			
<b>MAROON, LIGHT(MET)</b> 72 Stripe Molding Vinyl Roof	R BEIGE LT MAROON(MET) UU	GOLD LT MAROON(MET) N/A	GOLD LT MAROON(MET) RR	GOLD LT MAROON(MET) N/A	GOLD LT MAROON(MET) N/A	R GOLD LT MAROON(MET) RR
<b>MAROON(MET)</b> 77 Stripe Molding Vinyl Roof	R BEIGE LT MAROON(MET) RR OR UU	GOLD LT MAROON(MET) N/A	GOLD LT MAROON(MET) RR	GOLD LT MAROON(MET) N/A	GOLD LT MAROON(MET) N/A	R GOLD #LT MAROON(MET) RR OR WW*
<b>SILVER(MET)</b> 18 Stripe Molding Vinyl Roof	BLUE BEIGE N/A	R BLUE WHITE DD	BLUE WHITE N/A	BLUE WHITE N/A	R MED JADE GREEN WHITE N/A	R MAROON WHITE RR
<b>WHITE</b> 11 Stripe Molding Vinyl Roof	A GOLD WHITE WW	R BLUE WHITE DD OR WW	R GOLD WHITE WW	R MED OLIVE BROWN WHITE HH OR WW	R MED JADE GREEN WHITE GG OR WW	R MAROON WHITE RR OR WW

R = Recommended Combinations

A = Acceptable Combinations

\* = White Vinyl Roof N/A Z03 Landau

SHADED AREA = Non-Recommended Combination  
(Reqs. D60 Non-Recommended Color Combination Option)

# = With White Roof Cover.  
Moldings will be White

### VINYL ROOF COLORS

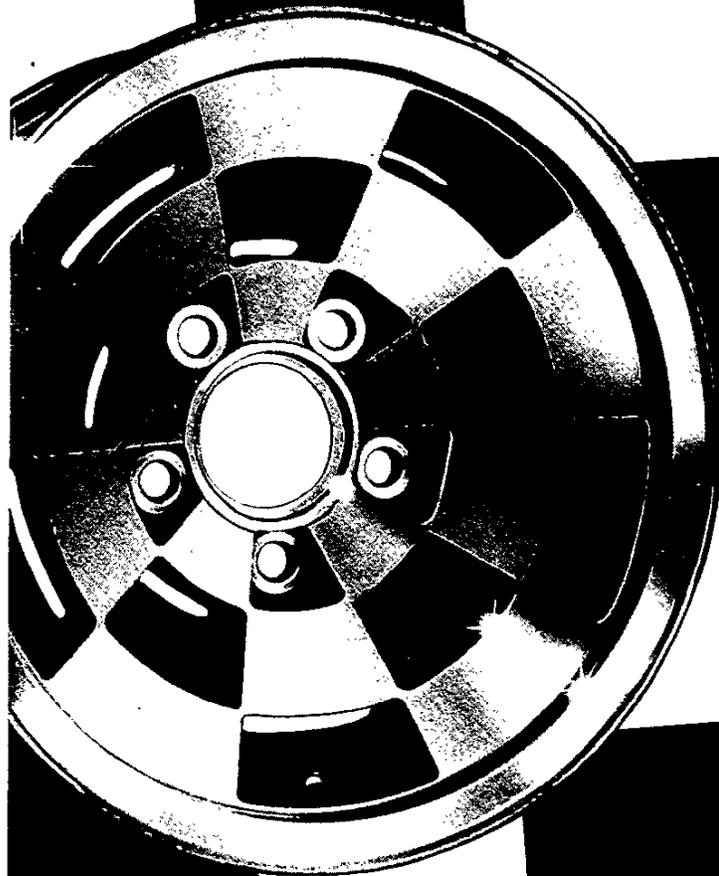
WHITE..... WW      DARK BLUE (MET) ..... DD      BEIGE ..... UU      CHAMPAGNE (MET) ..... HH  
BLACK ..... BB      LT JADE GRN (MET) ..... GG      MAROON (MET) ..... RR

## WITH D84 CUSTOM TWO-TONE PAINT (NO SUBSTITUTES ALLOWED)

STRIPE COLOR — INCLUDED  
MOLDING COLOR — ONLY WHEN BW2 MOLDING IS ORDERED  
VINYL ROOF — ONLY WHEN APPROPRIATE ORDERING CODE IS INDICATED

Exterior Paint Color	Color Code		Accent Color and Ordering Code	Stripe (Included)	Molding BW2
	L	U or Vinyl			
Blue, Light (Met)	21	21	Dk Blue (Met)	29M	Blue/Dk Blue (Met)
Brown, Light (Met)	68	68	Beige	63M	Gold/Lt Brown (Met)
*Brown, Light (Met)	68	68	Med Brown (Met)	69M	Gold/Lt Brown (Met)
Cream	35	35	Champagne (Met)	36M	Med Olive Brn/Champagne
Green, Jade (Met)	47	47	Lt Jade Green (Met)	45M	Med Jade Grn/Lt Jade Grn
Green, Light Jade (Met)	45	45	Black	19M	Med Jade Green/Black
Maroon, Light (Met)	72	72	Maroon (Met)	77M	Gold/Maroon

L = Lower      U = Upper      \* N/A Z03 Landau



# N-90 CHECKERBOARD

## Cast Aluminum Wheel

N-90 Checkerboard . . .  
completes styling  
package on new 1981  
Monte Carlo.

N-90 Checkerboard . . .  
excited the stylists,  
"measured up" to the  
engineer, and will  
ultimately charm its  
owner.

N-90 Checkerboard . . .  
100% machined;  
Runs true;  
Excellent ride  
characteristics.

N-90 Checkerboard . . .  
clear coated to  
preserve the  
finish and to protect  
against corrosion.

N-90 Checkerboard . . .  
this cast aluminum  
wheel delivers safety  
and ruggedness.

N-90 Checkerboard . . .  
lightweight beauty  
saves nearly 20 pounds  
per vehicle. Increases  
fuel economy.

N-90 Checkerboard . . .  
presents head turning  
potential in an exclusive  
designed wheel.

N-90 Checkerboard . . .  
each and every wheel  
highly machined to  
provide a rainbow-like  
brilliance.

N-90 Checkerboard . . .  
offers the potential of  
higher resale value at  
auto trade-in time.



Rockwell  
International

Western Wheel Division



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# MONTE CARLO

## 1981 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles produced on or after April 13, 1981

Description	Model Number	Body Code	Wheel Base	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Sg'd Retail Price*	Group Number
<b>◆ 6-Cylinder Engine</b>									
Sport Coupe.....	1AZ37	—	108.1"					7680.44	5
Landau Coupe.....	1AZ37	Z03	108.1"					8403.44	5

- ★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, optional equipment or accessories or special items or services.  
 ◆ Refer to Dealer Order Guide for California Requirements.

### OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced on or after April 13, 1981

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
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#### REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION

**Interior Trim:**

C**1 Cloth Bench Seat .....					NO ADDITIONAL CHARGE	
C**2 Cloth Bucket Seats .....						125.00
C**3 Cloth 55 /45 .....						
Without Z03 Landau .....						210.00
With Z03 Landau .....					NO ADDITIONAL CHARGE	
V**1 Vinyl Bench Seat .....						28.00
V**2 Vinyl Bucket Seats .....						125.00
V**3 Vinyl 55 /45 .....						
Without Z03 Landau .....						238.00
With Z03 Landau .....						28.00
<b>Special Custom.</b> Includes 55 /45 seat with folding center armrest, custom door trim panels and seats.						
With L**3 Special Custom Cloth .....						
Without Z03 Landau .....						359.00
With Z03 Landau .....						201.00
With S**3 Special Custom Vinyl .....						
Without Z03 Landau .....						387.00
With Z03 Landau .....						229.00

**Exterior Color:**

Paint, Solid .....					NO ADDITIONAL CHARGE	
Custom Two-Tone. Includes upper body accent, color-keyed striping.						
Without Z03 Landau .....	D84					199.00
With Z03 Landau .....	D84					142.00
Roof Cover, Vinyl.						
Padded Opera. Standard on Z03 Landau .....	C04					232.00
Full .....	C09					145.00

**Engines:** (Refer to Dealer Order Guide for Emission System Requirements)

3.8 Liter 2 BBL V6 .....	LC3				NO ADDITIONAL CHARGE	
3.8 Liter 2 BBL V6 .....	LDS				NO ADDITIONAL CHARGE	
3.8 Liter 4 BBL Turbocharged V6 .....	LC8					750.00
4.4 Liter 2 BBL V8 .....	L39					50.00
5.0 Liter 4 BBL V8 .....	LG4					50.00
<b>Air Conditioning:</b> Includes increased cooling .....	C60					625.00

**Axles, Rear:**

Performance Ratio .....	G92					20.00
Limited Slip Differential .....	G80					71.00
<b>Battery, Heavy-Duty</b> .....	UA1					22.00
<b>Console:</b> Shift lever mounted on console .....	D55					93.00

**Cooling, Heavy-Duty:**

Without C60 Air Conditioning .....	V08					65.00
With C60 Air Conditioning .....	V08					37.00

**Custom Door and Quarter Trim Panels:** Included with Bucket and 55 /45 Seats and Z03 Landau .....

	ZY7					29.00
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\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

(a) D & H Charges on vehicle and optional equipment include reimbursement to Chevrolet Motor Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.

# MONTE CARLO

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced on or after April 13, 1981

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Defogger, Rear Window: Electric</b> .....	C49					115.00
<b>Door Lock System, Power: Electric</b> .....	AU3					99.00
<b>Emission Systems:</b>						
<i>California Emission Requirements.</i> Includes all testing, equipment and /or certification necessary for registration in the State of California .....	YF5					46.00
<i>Standard Emission Equipment.</i> .....	NA5			<b>NO ADDITIONAL CHARGE</b>		
<b>Floor Covering:</b> 2 front and 2 rear color-keyed floor mats .....	B37					25.00
<b>Gage Package With Trip Odometer:</b> Includes temperature, voltmeter and oil pressure gages. ....	UF7					59.00
<b>Generator, 70-Amp Delcotron:</b>						
Without C60 Air Conditioning and C49 Rear Window Defogger .....	K73					70.00
With C60 Air Conditioning or C49 Rear Window Defogger .....	K73					34.00
<b>Glass, Tinted: All Windows</b> .....	A01					82.00
<b>Headlamps, Halogen Hi-Beam</b> .....	TT5					29.00
<b>Lamps, Cornering</b> .....	T87					51.00
<b>Lighting, Auxiliary:</b> Includes luggage compartment and underhood lights, dome delay switch plus headlamp warning buzzer. ....	TR9					35.00
<b>Luggage Compartment Trim, Deluxe:</b> Includes black cut pile floor carpeting and carpeted spare tire cover. ....	B48					44.00
<b>Mirrors:</b>						
<i>Outside Rearview, LH Remote.</i> .....	D33					20.00
<i>Sport, Body-Colored LH Remote and RH Manual.</i> Standard on Z03 Landau .....	D35					51.00
<i>Sport, Twin Remote</i>						
Without Z03 Landau .....	D68					80.00
With Z03 Landau .....	D68					28.00
<i>Visor Vanity.</i> Standard on Z03 Landau .....	D34					7.00
<i>Visor Vanity, Illuminated</i>						
Without Z03 Landau .....	D64					45.00
With Z03 Landau .....	D64					38.00
<b>Moldings:</b>						
<i>Body Side, Deluxe.</i> Includes color-keyed vinyl insert .....	BW2					53.00
<i>Door Edge Guard.</i> .....	B93					14.00
<i>Side Window Sill.</i> Standard on Z03 Landau .....	B85					34.00
<b>Preliminary Price Information</b> .....	B3W					N.A.
<b>Radio Equipment:</b>						
<i>AM Radio.</i> .....	U63					90.00
<i>AM /FM Radio.</i> .....	U69					142.00
<i>AM /FM Stereo Radio.</i> .....	U58					178.00
<i>AM /FM Stereo Radio with 8-Track Stereo Tapes.</i> .....	UM2					252.00
<i>AM /FM Stereo Radio with Stereo Cassette Tape.</i> .....	UN3					284.00
<i>AM /FM Stereo /Citizens Band Radio with Power Antenna.</i> ..	UP6					490.00
<i>Speaker, Rear Seat</i> .....	U80					20.00
<i>Speakers, Dual Rear.</i> Included with U58, UM2, UN3, or UP6 Radio .....	U81					30.00
<i>Windshield Antenna.</i> Included with radio .....	U76					27.00
<i>Power Antenna</i> .....	U75					50.00
<b>Roof Panels: Removable Glass.</b> .....	CC1					737.00
<b>Seat, Power: Electric, 6-Way Control, Driver's side only.</b> ..	AG8					183.00
<b>Sky Roof, Power:</b> Sliding metal top .....	CA1					595.00
<b>Speed Control: Automatic with Resume Speed</b> .....	K35					145.00
<b>Steering Wheel: Comfortilt.</b> .....	N33					88.00
<b>Striping, Pin: Body.</b> Standard on Z03 Landau .....	D85					57.00

\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

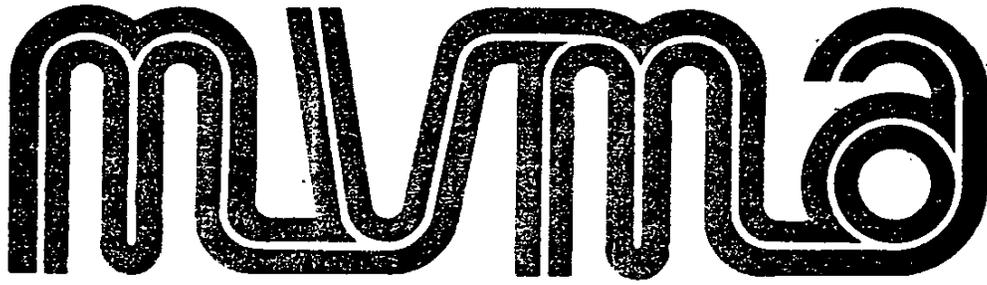
(a) D & H Charges on vehicle and optional equipment include reimbursement to Chevrolet Motor Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.



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**Specifications**  
**Form**  
**Passenger Car**

**1981**

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

<b>Manufacturer</b> CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	<b>Car Line</b> MONTE CARLO	
<b>Mailing Address</b> CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	<b>Model Year</b> 1981	<b>Issued:</b> SEPTEMBER, 1980
		<b>Revised (*)</b>

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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**NOTE:**

1. This form uses both SI metric units and U.S. Customary units. The Metric unit of measurement is presented first, and the U.S. Customary unit follows in parentheses.
2. **UNLESS OTHERWISE INDICATED:**
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.
  - c. All linear dimensions are in 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 MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

**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)
<u>MONTE CARLO</u>	<u>MODEL NUMBER</u>	<u>FRONT</u>	<u>REAR</u>	
2-Door Sport Coupe	1AZ37	3	3	

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

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

Car Line MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

**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 (b) AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO	
	Displ. liters (in <sup>3</sup> )	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM		Exhaust System*		(c)	(Std. first) (Indicate A/C ratio)
				kW (bhp)	Torque N·m (lb. ft.)				
Base-All exc. Calif.	V-6 3.8 (229) (LC3)	2	8.6:1	110 @ 4200	170 @ 2000	S	Auto '250C'-Base (Auto '350C'-Base)@	2.41:1	-
Base-Calif. Only	V-6 3.8 (231) (LD5)	2	8.0:1	110 @ 3800	190 @ 1600	S	Auto '350C'-Base	2.41:1	-
Avail-All	V-6 3.8 (231) (LC8)	4	Turbo 8.0:1 Charge	170 @ 4000	275 @ 2400	S	Auto '350C'-Base	2.73:1	-
Avail-All exc. Calif.	V-8 4.4 (267) (L39)	2	8.3:1	115 @ 4000	200 @ 2400	S	Auto '350C'-Base (Auto '250C'-Base)@	2.29:1	-
Avail-Calif. Only	V-8 5.0 (305) (LG4)	4	8.6:1	150 @ 3800	240 @ 2400	S	Auto '250C'-Base (Auto '200C'-Base)@  Auto '350C'-Base	2.29:1  -	-  2.73:1
@ - Manufacturing option. b - 'Base' & 'Available' refer to engine availability. c - Limited slip differential & A/C available with all axle ratios.									

\*S - Single D - Dual

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

Car Line MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (♦) \_\_\_\_\_

Engine Description/Carb. Engine Code	3.8 Liter V-6(229 CID)	4.4Liter V-8(267 CID)	5.0Liter V-8(305 CID)
	2-Bbl. Carburetor	2-Bbl. Carburetor	4-Bbl. Carburetor
	RPO LC3	RPO L39	RPO LG4

**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	6	8	
Bore	95 (3.736)	88.9 (3.50)	95 (3.736)
Stroke		88.4 (3.48)	
Piston Displacement cm <sup>3</sup> (in <sup>3</sup> )	3753 (229)	4375 (267)	4998 (305)
Bore Spacing (C/L to C/L)	111.8 (4.40)		
Cylinder Block Material	Cast Alloy Iron		
Cylinder block deck height	229.2 (9.025)		229.4 (9.03)
Deck clearance (minimum) (above or below block)	.025 below		
Cylinder Head Material	Cast Alloy Iron		
Cylinder Head Volume — cm <sup>3</sup>	58.9	51.8	58.9
Head Gasket Thickness (Compressed)	.021		
Head Gasket Volume — cm <sup>3</sup>	3.98	3.61	3.98
Minimum Combustion Chamber Volume — cm <sup>3</sup>	56.7	49.6	56.7
Cyl. No. system (front to rear)**	L Bank	1-3-5	1-3-5-7
	R. Bank	2-4-6	2-4-6-8
Firing Order	1-6-5-4-3-2		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 *	205.6 (453)	253.5 (559)	274.3 (605)

**Engine — Pistons**

Material	Cast Aluminum Alloy		
Description and finish (Flat, dished, dome, etc.)	Closed Skirt, Sump Head		
Mass, g (weight, oz.) — Piston Only	502 (17.71)	444 (15.66)	508 (17.92)
Clearance (limits)	Top land	.622-.851 (.0245-.0335)	
	Skirt	Top	.018-.107 (.0007-.0042)
		Bottom	
Ring groove diameter	No. 1 ring	84.33-84.71 (3.320-3.335)	
	No. 2 ring	84.33-84.71 (3.320-3.335)	
	No. 3 ring	83.82-84.20 (3.300-3.315)	

\* Dressed engine mass (weight) includes the following: Front of engine fan to rear of engine block - includes engine mounts and accelerator controls.

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

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

Car Line MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (\*)

Engine Description/ Carb. Engine Code	3.8 Liter V-6(231 CID)	3.8 Liter V-6(231 CID)
	2-Bbl. Carburetor	4-Bbl. Carb. T-Charge
	RPO LD5	RPO LC8

**Engine — General**

Type (Inline V and Angle, Flat)	90° 'V'	
Location (Front, Mid, Rear)	Front	
Engine installation position (transverse, longitudinal)	Longitudinal	
Number of mg. points	Front	Two
	Rear	One
No. of cylinders	6	
Bore	96.5 (3.80)	
Stroke	86.4 (3.40)	
Piston Displacement cm <sup>3</sup> (in <sup>3</sup> )	3785 (231)	
Bore Spacing (C/L to C/L)	107.7 (4.24)	
Cylinder Block Material	Cast Alloy Iron	
Cylinder block deck height	242.8 (9.56)	
Deck clearance (minimum) (above or below block)	1.91 Below	
Cylinder Head Material	Cast Alloy Iron	
Cylinder Head Volume — cm <sup>3</sup>	48.19	
Head Gasket Thickness (Compressed)	.533	
Head Gasket Volume — cm <sup>3</sup>	3.93	
Minimum Combustion Chamber Volume — cm <sup>3</sup>	87.65	
Cyl. No. system (front to rear)**	L Bank	1-3-5
	R Bank	2-4-6
Firing Order	1-6-5-4-3-2	
Recommended fuel (Leaded unleaded)	Unleaded	
Fuel antiknock index (R + M) 2	87	
Total dressed engine mass (wt) dry *	207.3 (457)	220.6 (486)

**Engine — Pistons**

Material	Cast Aluminum Alloy		
Description and finish (Flat, dished, dome, etc.)	Full skirt with transverse slot, dished head (a)		
Mass, g (weight, oz) — Piston Only	454 (16.01)		
Clearance (limits)	Top land	1.19-1.32 (.047-.052)	
	Skirt	Top	.03-.06 (.0011-.0023)
		Bottom	.04-.10 (.0016-.0038)
Ring groove diameter	No. 1 ring	86.10-85.73 (3.390 x 3.375)	
	No. 2 ring	86.10-85.73 (3.390 x 3.375)	
	No. 3 ring	86.26-85.93 (3.396 - 3.383)	

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

(a) No transverse slot with RPO LC8

\*\* Rear of engine — drive takeoff.

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

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

Car Line MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Liter V-6(229 CID) 2-Bbl Carburetor RPO LC3	4.4 Liter V-8 (267 CID) 2-Bbl Carburetor RPO L39	5.0 Liter V-8(305CID) 4-Bbl Carburetor RPO LG4
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**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 — Upper	(A)	Cast alloy iron, radius face, chrome flash
	Material, coating, etc.	(B)	Cast alloy iron, reverse twist, tapered
	Width	1.96-1.98 (.0770-.0780) face, lubricated	
	Gap Upper	0.25-0.51 (.010-.020) (c)	
Oil	Description — material, coating, etc.	TRW 'T' flex design, .05 mm (.002" min. chrome)	
	Width	4.52-4.62 (.178-.182)	
	Gap	0.25-0.89 (.010-.035)	
Expanders	In oil ring assembly		

**Engine — Piston Pins**

Material	SAE-1018		
Length	75.95-76.45 (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	.0013-.0075 (.00005-.00030)	.0063-.0089 (.00025-.00035)
	In rod		
Direction & amount offset in piston	Major thrust side - 1.52 (.060)		

**Engine — Connecting Rods**

Material	1037 or 1038 steel		
Mass, g (weight, oz.)	388 (13.69)		
Length (center to center)	144.8 (5.70)		
Bearing	Material & Type	Premium Aluminum	
	Overall length	16.97 (.668)	20.24 (.797)
	Clearance (limits)	.025-.063 (.001-.0025)	.033-.089 (.0013-.0035)
	End Play	.15-.38 (.006-.015)	.15-.41 (.006-.016)

- (A) Molybdenum filled channel, barrel face  
 (B) Inside bevel, reverse tapered face, phosphate coated  
 (C) Lower - 3.8 & 4.4 Liter - 0.25-0.64 (.010-.025); 5.0 Liter - 0.33-0.63 (.013-.025)

**MVMA Specifications Form**  
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Car Line MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description / Carb. Engine Code	3.8 LITER V-6 (231 CID) 2-BBL CARBURETOR RPO LD5	3.8 LITER V-6 (231 CID) 4-BBL TURBOCHARGED RPO LC8
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**Engine — Piston Rings**

Function (top to bottom)	No. 1, oil or comp.	
	No. 2, oil or comp.	COMPRESSION
	No. 3, oil or comp.	COMPRESSION
Compression	Description — Material, coating, etc.	UPPER MOLYBDENUM FILLED CHANNEL, BARREL FACE LOWER INSIDE BEVEL REVERSE TAPERED FACE (A)
	Width	1.956-1.981 (.0770-.0780)
	Gap	0.25-0.51 (.010-.020)
	Oil	MULTI-PIECE, 2 RAILS & SPACER (EXPANDER) STAINLESS STEEL - 50
Expanders	Width	.597-.622 (.0235-.0245)
	Gap	0.38-1.40 (.015-.055)
Expanders		ABUTTMENT TYPE

**Engine — Piston Pins**

Material		SAE-1018	
Length		73.66 (2.90)	
Diameter		23.853-23.860 (.9391-.9394)	
Type	Locked in rod, in piston, floating, etc.	PRESSED IN ROD	
	Bushing	In rod or piston	---
		Material	---
Clearance	In piston	.008-.023 (.0003-.0009)	
	In rod	.018-.043 (.0007-.0017)	
Direction & amount offset in piston		MAJOR THRUST SIDE - .102 (.040)	

**Engine — Connecting Rods**

Material		CAST ARMA STEEL
Mass, g (weight, oz.)		454 (16.01)
Length (center to center)		151.4 (5.96)
Bearing	Material & Type	PREMIUM ALUMINUM
	Overall length	16.61 (.654)
	Clearance (limits)	.013-.066 (.0005-.0026)
	End Play	.15-.58 (.006-.023)

- (A) LD5 - PHOSPHATE COATED; LC8-LUBRITED.
- (B) UPPER-CAST IRON, REVERSE TWIST, #1-BARREL FACE, MOLYCHANNEL;  
#2-TAPER FACE, TIN PLATED.
- (C) UPPER-0.25-0.56 (.010-.022); LOWER-0.25-0.71(.010-.028)

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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**Engine — Crankshaft**

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (No.)	4	5	
Crankshaft end play	.051-.152 (.002-.006)	.051-.178 (.002-.007)	
Main bearing	Material & type	#1 - G66 Conecc; #2-4 - M400	
	Clearance	(A)	
	Journal dia. and bearing overall length	No. 1	62.202 x 20.37 (2.4489 x .802)
		No. 2	62.194 x 20.37 (2.4486 x .802)
		No. 3	62.194 x 20.37 (2.4486 x .802)
		No. 4	62.189 x 38.94
		No. 5	62.194 x 20.37 (2.4486 x .802)
		No. 6	62.189 x 38.94 (2.4484 x 1.533)
		No. 7	---
	Dir. & amt. cyl. offset	---	
No. bolts/main brg. cap	2		
Crankpin journal diameter	53.284-53.335 (2.0978-2.0998)	53.31-53.34 (2.099-2.100)	

**Engine — Camshaft**

Location	In block above crankshaft		
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	4	
Type of Drive	Gear, chain or belt	Chain	
	Crankshaft gear or sprocket material	Steel	
	Camshaft gear or sprocket material	Cast iron	
	Timing chain	No. of links	46
		Chain or Belt	Aluminum-nylon
	Chain or Belt	Width	15.87 (.625)
		Pitch	12.7 (.500)

(A) Front - .020-.051 (.0008-.0020)  
 Intermediate - .028-.058 (.0011-.0023)  
 Rear - .043-.081 (.0017-.0032)

**MVMA Specifications Form**  
**Passenger Car**  
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Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb. Engine Code	3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor	3.8 Ltr. V6 (231 CID) 4-Bbl. Carb. T/Charged
	RPO LD5	RPO LC8

**Engine — Crankshaft**

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (No.)	2		
Crankshaft end play	.08-.28 (.003-.011)		
Main bearing	Material & type	#1 upper - M400 Conecc; #1 lower - M100 Conecc; #2, 3 - M400; #4 - M100	
	Clearance	.008-.046 (.0003-.0018)	
	Journal dia. and bearing overall length	No. 1	63.39 x 21.95 (2.4955 x .864)
		No. 2	63.39 x 26.85 (2.4955 x 1.057)
		No. 3	63.39 x 21.95 (2.4955 x .864)
		No. 4	63.39 x 21.95 (2.4955 x .864)
		No. 5	-
		No. 6	---
	No. 7	---	
	Dir & amt cyl. offset		
	No bolts/main brg. cap	2	
Crankpin journal diameter	57.12-57.14 (2.2487-2.2495)		

**Engine — Camshaft**

Location	In block above crankshaft		
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	4	
Type of Drive	Gear, chain or belt	Chain	
	Crankshaft gear or sprocket material	Sintered iron	
	Camshaft gear or sprocket material	Aluminum nylon	
	Timing chain	No. of links	54
	Chain or Belt	Width	22.23 (.875)
Pitch		9.53 (.375)	

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Car Line MONTE CARLO  
 Model Year 1981 Issued 9-80 Revised (x)

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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**Engine — Valve System**

Hydraulic lifters (Std., opt., NA)		Standard				
Valve rotator, type (intake, exhaust)		Exhaust				
Push rods (dia., length, material)		7.9 x 196.2 (.3125 x 7.724) welded steel tubing				
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)	42	44		
		Closes (*ABC)	78	76		
		Duration (deg.)	300	300		
	Exhaust	Opens (*BBC)	78	78		
		Closes (*ATC)	52	52		
		Duration (deg.)	310	310		
Valve open overlap (deg.)		94	96			
Intake Valve	Material		SAE-1541 or 1547 (a)	SAE-1541-H steel (a)	21-2N (b)	
	Overall length		124.52-125.03 (4.9024-4.9224)			
	Actual overall head dia.		46.7 (1.84)	43.7 (1.72)	46.7 (1.84)	
	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)		9.47 (.373)	9.07 (.357)		
	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.)	778 @ 31.7 (1.75 @ 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, chrome flash stem		
		Overall length		124.71 -125.02 (4.910-4.930)		
		Actual overall head dia.		38.1 (1.50)	35.1 (1.38)	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)		10.4 (.4100)	9.91 (.390)			
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.)	845 @ 31.7 (190 @ 1.25)	818 @ 31.7 (184 @ 1.25)		
Inner spring press. & length	Valve closed — N at mm (lb. at in.)	Spring damper				
	Valve open — N at mm (lb. at in.)	Spring damper				

(a) Chrome flash stem. (b) Full chrome.

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged RPO LC3
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**Engine — Valve System**

Hydraulic lifters (Std., opt., NA)		Standard		
Valve rotator, type (intake, exhaust)		None		
Push rods (dia., length, material)		7.94 x 220.9 (.3125 x 8.697) (a)		
Rocker ratio		1.55:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero		
	Exhaust	Zero		
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16	
		Closes (*ABC)	63 53	
		Duration (deg.)	259 249	
	Exhaust	Opens (*BBC)	68	
		Closes (*ATC)	29	
		Duration (deg.)	277	
Valve open overlap (deg.)		45		
Intake Valve	Material		1541 steel, chrome flash stem	
	Overall length		119.33-120.09 (4.698-4.728)	
	Actual overall head dia.		43.43 (1.710)	
	Angle of seat & face (deg.)		45	
	Seat insert material		None	
	Stem diameter		8.64-8.66 (.3402-.3412)	
	Stem to guide clearance		.038-.089 (.0015-.0035)	
	Lift (at zero lash)		9.47 (.373) 8.66 (.341)	
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	262-307 @ 43.86 (59-69 @ 1.727)	
		Valve open — N at mm (lb. at in.)	774-845 @ 34.04 (174-190 @ 1.34)	
	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, chrome plated stem
		Overall length		119.46-120.22 (4.703-4.733)
Actual overall head dia.		35.1 (1.50)		
Angle of seat & face (deg.)		45		
Seat insert material		None		
Stem diameter		8.649-8.666 (.3405-.0032)		
Stem to guide clearance		.038-.081 (.0015-.0032)		
Lift (at zero lash)		9.30 (.366)		
Outer spring press. & length		Valve closed — N at mm (lb. at in.)	262-307 @ 43.86 (59-69 @ 1.727)	
		Valve open — N at mm (lb. at in.)	774-845 @ 34.04 (174-190 @ 1.34)	
Inner spring press. & length		Valve closed — N at mm (lb. at in.)	Spring damper	
		Valve open — N at mm (lb. at in.)	Spring damper	

(a) .060 wall steel tubing. (b) 21-2N steel, flash-chrome plated stem.  
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**MVMA Specifications Form**  
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**METRIC (U.S. Customary)**

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*)

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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**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	Splash & nozzle	Centrifugally oiled
	Cylinder walls	Splash	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)	20W-20, 10W-30, 10W-40, 20W-40, 20W-50		
Minus 6.6°C(20°F) & Above	10W, 5W-30, 10W-40, 10W-30		
Minus 17.7°C to +15.5°C (0 to 60°F)	5W-20, 10W-30		
Minus 6.6°C(20°F) & Below			
Engine service reqmt. (SD, SE, etc.)	SF		

**Engine — Exhaust System**

Type (single, single with cross-over, dual, other)	Single w/crossover		
Muffler No. & Type (reverse flow, straight thru, separate resonator)	One, reverse flow		
Resonator No. & type	None		
Exhaust Pipe	Branch O.D., wall thickness	50.8 (2.0)	
	Main O.D., wall thickness	57.15 (2.25)	57.15 (2.25)
	Material	Laminated stainless steel tubing	
Inter-mediate Pipe	O.D. & wall thickness	50.8 (2.0)	57.15 (2.25)
	Material	Alum. coated tubing	Laminated steel tubing
Tail Pipe	O.D. & wall thickness	50.8 (2.0)	57.15 (2.25)
	Material	Aluminum coated tubing	

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (to) \_\_\_\_\_

Engine Description/Carb Engine Code	3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged
	RPO LD5	RPO LC8

**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	Splash and nozzle
	Cylinder walls	Splash
Oil pump type	Gear	
Normal oil pressure-kPa (psi) at engine rpm	310 (45)	255 (37)
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part other)	Full flow	
Capacity of oil case, less filter-refill-L (qt.)	3.8 (4.0)	
Oil grade recommended (SAE viscosity and temperature range)		
Minus 6.6°C (20°F) & Above	20W-20, 10W-30, 10W-40, 20W-40, 20W-50	
Minus 17.7°C to + 15.5°C (0 to 60°F)	10W, 5W-30, 10W-40, 10W-30	
Minus 6.6°C (20°F) & Below	5W-20, 10W-30	
Engine service reqmt (SD, SE, etc.)	SF	

**Engine — Exhaust System**

Type (single, single with cross-over, dual, other)	Single w/crossover	
Muffler No. & Type (reverse flow, straight thru, separate resonator)	One, reverse flow	
Resonator No. & type	None	
Exhaust Pipe	Branch O.D., wall thickness	50.8 (2.0)
	Main O.D., wall thickness	57.15 (2.25)
Intermediate Pipe	Material	Laminated stainless steel tubing
	O.D. & wall thickness	50.8 (2.0)   57.15 (2.25)
Tail Pipe	Material	Alum. coated tubing   Laminated steel tubing
	O.D. & wall thickness	50.8 (2.0)   57.15 (2.25)
	Material	Aluminum coated tubing

**MVMA Specifications Form**  
**Passenger Car**  
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Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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**Engine — Fuel System**

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

Induction type: Carburetor, fuel injection system, etc.		Carburetor		
Fuel Tank	Refill capacity — L (U.S. gals.)	68.5 (18.1) approximately		
	Filler location	Rear center behind hinged license plate		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	on engine Lower right front		
	Pressure range — kPa (psi)	31-41 (4.5-6.0)	52-62 (7.5-9.0)	
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank & paper filter element in carburetor inlet		
	Locations			
Carburetor	Choke type	Electric		
	Intake manifold heat control (exhaust or water)	Exhaust		
	Air cleaner type	Standard	Replaceable paper & charcoal element, single snorkel	
		Optional		
	Idle spd. - rpm (spec. neutral or drive)	Manual	---	---
Propane (Neu.)				
Automatic		600	500	
	Propane (Neu.)		500	
Idle A/F mix.				

**Carburetor Supplementary Information**

Model Usage	Engine Displ. — L (in. <sup>3</sup> )	Transmission	Carburetors		No. Used and Type (Barrels)	Barrel Size
			Make	Model		
All	3.8 (229)	Automatic	Rochester	17081130 (17081132)	One-2-bbl.	Pri.-35.1(1.38) Sec.-35.1(1.38)
	4.4 (267)			17081138 (17081140)		One-2-bbl.
	5.0 (305)			17081202 (17081204)	One-4-bbl.	Pri.-35.1(1.38) Sec.-57.2(2.25)
( ) With A/C						

**Engine — Diesel Information**

Glow plug	
Injector nozzle	Type
	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 Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*)

Engine Description/Carb. Engine Code	3.8 Ltr. V6 (231 CID)	3.8 Ltr. V6 (231 CID)
	2-Bbl. Carburetor	4-Bbl. Turbocharged
	RPO LD5	RPO LC8

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

Induction type Carburetor, fuel injection system, etc	Carburetor	
Fuel Tank	Refill capacity — L (U.S. gals.)	68.5 (18.1) approximately
	Filler location	Rear center behind hinge & license plate
Fuel Pump	Type (elec. or mech)	Mechanical
	Locations	on engine Lower LF
	Pressure range — kPa (psi)	29-40 (4.25-5.75)
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank & paper filter element in carburetor inlet
	Locations	
Carburetor	Choke type	Electric
	Intake manifold heat control (exhaust or water)	Exhaust
	Air cleaner type	Standard: Replaceable paper & charcoal element, single snorkel*
		Optional:
Idle spd. - rpm (spec. neutral or drive)	Manual	---
	Propane (Neu.)	
	Automatic	500
	Propane (Neu.)	650
Idle A/F mix		

\* No charcoal element with LC8 engine.

**Carburetor Supplementary Information**

Model Usage	Engine Displ. — L (in <sup>3</sup> )	Transmission	Carburetors		No. Used and Type (Barrels)	Barrel Size
			Make	Model		
A11	3.8 (231)	Automatic	Rochester	17081198	One-2-bbl.	Pri-36.5 (1.4375) Venturi 30.9 (1.4375)(1.218)
	3.8 (231)			17081243		One-4-bbl.

**Engine — Diesel Information**

Glow plug	
Injection nozzle	Type
	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 Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor
RPO LC3	RPO L39	RPO LG4

**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)		Cross flow, tube & center	
Cooling System Capacity	With heater — L (qt.) (*)	14.38 (15.19)	17.86 (18.87)
	Without heater — L (qt.)	Heater standard equipment	
	(@) Opt. equipment specify — L (qt.)	14.27 (15.08)	17.10 (18.07)
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator nose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	38.1 (1.50)
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	31.8 (1.25)
	By-pass	Number and type (molded, straight)	None
		Inside diameter	
Radiator (Core)	Standard	Width	
		Height	
		Thickness	
	A/C	Width	
		Height	
		Thickness	
	Heavy duty	Width	
		Height	
		Thickness	
Fan (Standard)	Number of blades & type - Flex/Solid		4, staggered
	Diameter		483 (19.0)
	Ratio — fan to crankshaft rev.		
	Fan cutout type		None
	Drive Type-Number of Fans		V-belt-one
Fan (optional)	No. of blades and spacing		5, staggered
	Diameter		508 (20.0)
	Ratio — fan to crankshaft rev.		483 (19.0)
	Fan cut-out type		Clutch
	Drive Type-Number of Fans		'V' belt-one

(\*) Base Transmission  
 (@) With Air Conditioning

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

Make Monte Carlo  
 Model Year 1981 Brand 9-80 Revised (\*)

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged RPO LC8
---	---

**Engine — Cooling System**

Coolant recovery system (add. opt. equip.)		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.)		External		
Radiator core type (cross flow, vertical, cellular, tube and fin, other)		Cross flow, tube & center		
Cooling System Capacity	With heater — L (qt) (*)	11.75 (12.42)		
	Without heater — L (qt)	Heater standard equipment		
	(@) Opt. equipment specify — L (qt)	11.50 (12.15)		
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	31.8 (1.25)	
	By pass	Number and type (molded, straight)	One, molded	
		Inside diameter		
Radiator (Core)	Std. Jard	Width	528.3 (20.8)	
		Height	431.0 (17.0)	
		Thickness	31.5 (1.24)	
	A/C	Width	528.3 (20.8)	
		Height	431.0 (17.0)	
		Thickness	31.5 (1.24)	
	Heavy duty	Width	528.3 (20.8)	
		Height	431.0 (17.0)	
		Thickness	31.5 (1.24)	
	Fan (Standard)	Number of blades & type - Flex Solid		5, staggered
		Diameter		508 (20.0)
		Ratio — fan to crankshaft rev		
Fan cutout type		Clutch		
Fan (Optional)	Drive Type Number of Fans		V - belt - one	
	No. of blades and spacing		5, staggered	
	Diameter		508 (20.0)	
	Ratio — fan to crankshaft rev			
Fan cut out type		Clutch		
Drive Type Number of Fans		V - belt - one		

(\*) Base Transmission  
 (@) With Air Conditioning

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8L V-6 2-bbl.	3.8L V-6 2-bbl.	3.8L V-6 4-bbl. T-C	4.4L V-8 2-bbl.	5.0L V-8 4-bbl.
RPO LC3	RPO LD5	RPO LC8	RPO L39	RPO LG4

**Vehicle Emission Control**

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air Injection w/Computer Command Control
	Air Injection Pump	Type	
		Displacement — cm <sup>3</sup> (in <sup>3</sup> )	
		Drive ratio	
		Drive type	
		Relief valve (type)	
		Filter (describe)	
	Air Injection System	Air distribution (head, manifold, etc.)	Exhaust pipe
		Point of entry	Exhaust pipe
		Injection tube i.d.	
		Check valve type	Pressure plate system
		Backfire protection (type)	Diverter valve
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow
		Valve type	Vacuum modulated shut-off & metering valve
		Valve location	Inlet 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 <sup>3</sup> )	4.1 (250) (a)
	Substrate type	Dual bed (b)	
	Container location	Beneath RF underbody	
	Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emissions.	
Other			

(a) Catalyst - Volume LC8 engine 2.986 (170)  
 - Volume LD5 engine 4.261 (260)

(b) Single bed for LD5 engine

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8L V-6 229 CID	3.8L V-6 231 CID	3.8L V-6 231 CID	4.4L V-8 267 CID	5.0L V-8 305 CID
RPO LC3	RPO LD5	RPO LC8	RPO L39	RPO LG4

**Vehicle Emission Control (Continued)**

	Type (ventilates to atmos., induction system, other)	Standard		Induction system	
		Optional			
Crankcase Emission Control	Control Unit	Make and model		A.C.	
		Location	Inl. man.	Valve rocker cover	
		Energy source (manifold vacuum, carburetor, other)		Manifold vacuum	
		Control method (variable orifice, fixed orifice, other)		Variable orifice	
	Complete System	Discharges (to intake manifold, other)		Inlet manifold	
		Air inlet (breather cap, other)		Carburetor air cleaner	
Flame arrestor (screen, other)			Screen		
Evaporative Emission Control	Fuel Tank	Thermal expansion volume — dm <sup>3</sup> (ft <sup>3</sup> )		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- etor	Vapor vented to (crankcase, canister, other)			Canister
	Vapor Storage	Storage provision (crankcase, canister, other)			Canister
		Volume — dm <sup>3</sup> (ft <sup>3</sup> ) or capacity (grams)		Approx. 50 grams storage capacity	
	Control valve type		Controlled by orifice, carburetor throttle body and throttle blade position		

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised ( )

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6(229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8(267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8(305 CID) 4-Bbl. Carburetor RPO LG4
--	--	--

**Electrical — Supply System**

Battery	Make and Model		Delco 'Freedom II'		
	Voltage Rtg. — V — & Total Plates		12V		
	SAE Designation No. and/or capacity		80 minute reserve capacity		
	Location		Engine compartment, right front		
Generator or Alternator	Make		Delco Remy		
	Model		1103161	1103162	
	Type and rating		37		
	Output at engine idle (neutral) A				
Ratio — Gen. to Cr/s 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		1109524	1109064	
Motor Drive	Engagement Type		Positive shift solenoid		
	Pinion engages from (front, rear)		Rear		
	Number of teeth	Pinion		9	
		Flywheel	Manual	---	
		Auto	153	168	

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

Car Line - Monte Carlo  
 Model Year 1981 Period 9-80 Revised (e)

Engine Description/Carb. Engine Code	3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor	3.8 Ltr. V-6 (231 CID) 4-Bbl. Turbocharged
	RPO LD5	RPO LUB

**Electrical — Supply System**

Battery	Make and Model	Delco 'Freedom II'		
	Voltage Reg — V — & Total Plates	12V		
	SAE Designation No. and/or capacity	80 minute reserve capacity		
	Location	Engine compartment Right front		
Generator or Alternator	Make	Delco Remy		
	Model	1100110		
	Type and rating	42	55	
	Output at engine idle (neutral) A			
	Ratio — Gen. to Cr/s rev			
Regulator	Make	Delco Remy		
	Model	---		
	Type	Micro circuit unit; integral with alternator		
	Regu- lated	Voltage		
		Current A		
	Voltage test condi- tions	Temperature — °C (°F)		
Load A				
Other				

**Electrical — Starting System**

Starting Motor	Make	Delco Remy		
	Model			
Motor Drive	Engagement Type	Positive shift solenoid		
	Pinion engages from (front, rear)	Front		
	Number of teeth	Pinion	9	
		Flywheel	Manual	---
		Auto	160	

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (#) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
---	---	---

**Electrical — Ignition System — Distributor**

Distributor	Manual	---	---	---
	Automatic	1110754	1103443	1103443
Timing	Manual	---	---	---
	Automatic			

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1110754					
1103443	DOES NOT APPLY				

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged RPO LC8
---	---

**Electrical — Ignition System — Distributor**

Distributor	Manual	---	---
	Automatic		
Timing	Manual	---	---
	Automatic		

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description / Carb.  
 Engine Code

3.8 Ltr. V6(229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8(267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8(305 CID) 4-3bl. Carburetor RPO LG4
--	--	--

**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 R43TS
	Thread (mm)		14 14
	Tightening torque — N-m (lb. ft.)		
	Gap		1.143 (.045) 1.143 (.045)

**Electrical — Suppression**

Locations & type	
------------------	--

**Electrical — Instruments and Equipment**

Speedometer	Type	Circular dial with pointer
	Trip odometer (std., opt., N.A.)	NA
EGR maintenance indicator		NA
Charge Indicator	Type	Tell-Tale
	Warning device	NA
Temperature Indicator	Type	Tell-Tale
	Warning device	NA
Oil pressure Indicator	Type	Tell-Tale
	Warning device	NA
Fuel Indicator	Type	Electric Gauge
	Warning device	NA
Windshield Wiper	Type — standard	Electric Two-Speed
	Type — optional	Intermittent windshield wiper system
	Blade length	457 (8 in)
	Swept area — cm <sup>2</sup> (in. <sup>2</sup> )	6000 (930.3 in <sup>2</sup> )
Windshield Washer	Type — standard	Push-Button
	Type — optional	NA
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	Dual
Other	Current draw (A) per horn	4.5-6.5 @ 12.5 volts
		Restraint system warning light and buzzer. Parking brake and brake failure warning light, tachometer, voltmeter, oil pressure and coolant temperature gages, in optional package.

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged RPO LC8
---	---

**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.)		20 (15)
	Gap		1.143 (.045)

**Electrical — Suppression**

Locations & type	
------------------	--

**Electrical — Instruments and Equipment**

Speedometer	Type	
	Trip odometer (std., opt., N.A.)	
EGR maintenance indicator		
Charge Indicator	Type	
	Warning device	
Temperature Indicator	Type	
	Warning device	
Oil pressure Indicator	Type	
	Warning device	
Fuel Indicator	Type	
	Warning device	
Windshield Wiper	Type — standard	
	Type — optional	
	Blade length	
	Swept area — cm <sup>2</sup> (in <sup>2</sup> )	
Windshield Washer	Type — standard	
	Type — optional	
	Fluid level indicator	
Horn	Type	
	Number used	
Other		

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised #1 \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
---	---	---

**Drive Units — Clutch (Manual Transmission)**

Make & type	
Type pressure plate springs	
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 <sup>2</sup> (in. <sup>2</sup> )
Release bearing	Type & method of lubrication
	Torsional damping
	Method: springs, friction material

**Drive Units — Transmissions**

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

**Drive Units — Manual Transmission**

Number of forward speeds			
Transmission ratios	In first		
	In second		
	In third		
	In fourth		
	In fifth		
	In overdrive		
	In reverse		
Synchronous meshing, specify gears			
Shift lever location			
Lubricant	Capacity — L (pt.)		
	Type recommended		
	SAE vis.cosity number	Summer	
		Winter	
Extreme cold			

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

Chassis Line Monte Carlo

Model Year 1981

Issued 9-80

Revised (\*)

Engine Description/Carb.  
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged RPO LC8
---	---

**Drive Units — Automatic Transmission**

(See "Power Teams" for transmission usage.)

Trade name	3-speed automatic	
Type (describe)	Torque converter with planetary gears	
Selector	Location	'350c'
	Ltr./No. Designation	Std-stg. column; optional-floor console
Gear Ratios	R	P-R-N-D-2-1
	D	1.93
	2	1.00
	1	1.52
		2.52
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 — mm (in)	298 (11.75)
Lubricant	Capacity — refill — L (pt.)	2.8 (6.0)
	Type recommended	Dexron II
Special transmission features	Torque converter clutch, 3rd gear lock-up	

**Drive Units — Axle or Front Wheel Drive Unit**

Type (front, rear)	Rear		
Description	Semi-floating axle, overhung hypoid drive pinion & ring gear		
Limited Slip differential, type	Disc clutch		
Drive Pinion Offset	38.1 (1.50)		
Drive pinion type	Hypoid gear		
No. of differential pinions	Two		
Pinion adjustment (shim, other)	Shim		
Pinion bearing adj. (shim, other)	Collapsible sleeve		
Driving wheel bearing type	Direct or single row cylindrical		
Lubricant	Capacity — L (pt.)	1.6 (3.5)	
	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		
No. of teeth	Pinion	
	Ring gear or gear	
Ring Gear O. D.		
Transaxle	Transfer Gear Ratio	
	Final Drive Ratio	

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb. Engine Code	3.8 Ltr. V6(229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8(267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8(305 CID) 4-Bbl. Carburetor RPO LG4
---	--	--	--

**Drive Units — Automatic Transmission** (See "Power Teams" for transmission usage).

Trade name		3-speed automatic		
Type (describe)		Torque converter with planetary gears		
		'200c'	'250c'	'350c'
		Std-column mounted; opt.-floor mounted with console		
Selector		P-R-N-D-2-1		
Gear Ratios	R	2.07		1.93
	D	1.00		1.00
	2	1.57		1.52
	1	2.74		2.52
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	2.35		2.0
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	293 (11.75)		
Lubricant	Capacity — refill — L (pt.)	3.3 (7.0)		2.8 (6.0)
	Type recommended	Dexron II		
Special transmission features		Torque converter clutch, 3rd gear lockup		

**Drive Units — Axle or Front Wheel Drive Unit**

Type (front, rear)		Rear		
Description		Semi-floating axle, overhung hypoid drive pinion & ring gear		
Limited Slip differential, type		Disc clutch		
Drive Pinion Offset		38.1 (1.50)		
Drive pinion type		Hypoid gear		
No. of differential pinions		Two		
Pinion adjustment (shim, other)		Shim		
Pinion bearing adj. (shim, other)		Collapsible sleeve		
Driving wheel bearing type		Direct or single row cylindrical		
Lubricant	Capacity — L (pt.)	1.6 (3.5)		
	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		2.29	2.41	2.73
No. of teeth	Pinion	17	17	15
	Ring gear or gear	39	41	41
Ring Gear O. D. — mm (in)		191 (7.50)		
Transaxle	Transfer Gear Ratio			
	Final Drive Ratio			

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*)

Engine Description/Carb. Engine Code	3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor	3.8 Ltr. V6 (231 CID) 4-Bbl. Turbocharged
	RPO LD5	RPO LC8

**Drive Units — Clutch (Manual Transmission)**

Make & type		
Type pressure plate springs		
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 <sup>2</sup> (in. <sup>2</sup> )	
	Thickness	
Engagement Cushion method		
Release bearing	Type & method of lubrication	
Torsional damping	Method: springs, friction material	

**Drive Units — Transmissions**

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

**Drive Units — Manual Transmission**

Number of forward speeds			
Transmission ratios	In first		
	In second		
	In third		
	In fourth		
	In fifth		
	In overdrive		
	In reverse		
Synchronous meshing, specify gears			
Shift lever location			
Lubricant	Capacity — L (pt)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
Extreme cold			

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

Car Line Monte Carlo  
 Model Year 1981 issued 9-80 Revised (\*)

Engine Description / Carb.  
 Engine Code

2-Door Sport Coupe  
 (All Engines)

**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.	N.A.	
	Manual 4-speed trans.	N.A.	
	Manual 5-speed trans.	N.A.	
	Overdrive	N.A.	
	Automatic transmission	63.5 x 1331.5 x 1.65 (2.5 x 52.42 x .065)	
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting prepack)	---	
Slip Yoke	Type	Yoke	
	Number of teeth	27	
	Spline O.D.		
Universal joints	Make and Mfg. No.	Front	Saginaw 44
		Rear	
	Number used		
	Type (ball and trunnion, cross)	Single cardan	
	Rear attach (u-bolt, clamp, etc.)	Strap and bolt	
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Prepack	
Drive taken through (torque tube or arms, springs)		Control arms	
Torque taken through (torque tube or arms, springs)		Control arms	

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

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

Car Line Monte Carlo  
 Model Year 1987 Issued 9-80 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

2-Door Sport Coupe

**Drive Units — Tires And Wheels (Standard)**

<b>TIRES</b>	Size, load range, ply		P195/75R-14 (BW & WW) @
	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)		508 (817)
<b>WHEELS</b>	Type & material		Short spoke disc, steel
	Rim (size & flange type)		14 x 6
	Wheel offset		'0'
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	120.7 (4.75)
Number & size		5 hex nuts - 7/16-20	
Spare tire and wheel (same or other)		15 x 4 (25 mm - 1.0 in offset) exc. limited slip differential	

**Drive Units — Tires And Wheels (Optional)**

Size, load range, ply		P205/70R-14 (BW, WW) +
Type (bias, radial, etc.)		Steel belted radial
Wheel type & material		Rally type (RPO ZJ7) - N.A. w/Landau option
Rim (size, flange type, and offset)		14 x 6, '0'
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		Cast aluminum
Rim (size, flange type, and offset)		14 x 6.5, -6.35 mm (-0.25 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)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)		Wheel - with limited slip differential - 16 x 4 12 mm (0.50 in) offset. Tire - without limited slip differential - T125/70D-15; with limited slip differential - P145/80D-16.

**Brakes — Parking**

Type of control		Foot pedal - application; 'T' handle - release
Location of control		Under instrument panel, left of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	---
	Drum diameter	---
	Lining size (length x width x thickness)	---

@ - Not available with Sport Suspension, RPO F41.  
 + - Requires Sport Suspension, RPO F41.

Body Type And/Or Engine Displacement

2-Door Sport Coupe

**Brakes — Service**

Brake Type (std., Opt., N.A.)	Drum	Front	N.A.	
		Rear	Std.	
	Disc	Front	Std.	
		Rear	N.A.	
Self-adjusting (std., opt., N.A.)			Std.	
Special Valving	Type (proportion, delay, metering, other)			
Power Brake (std., opt., N.A.)			Proportioning & metering Std.	
Booster Type (remote, integral, vac., hyd., etc.)			Integral	
Anti-skid device type (std., opt., N.A.)			N.A.	
Effective area — cm <sup>2</sup> (in. <sup>2</sup> )*			615.5 (95.42)	
Gross lining area — cm <sup>2</sup> (in. <sup>2</sup> )**			(107.22)	
Swept area — cm <sup>2</sup> (in. <sup>2</sup> )***			1985.1 (307.77)	
Rotor	Outer working diameter	F	266.7 (10.5)	
		R	--	
	Inner working diameter	F	171.5 (6.75)	
		R	--	
	Thickness	F	26.2 (1.03)	
		R	--	
Material & type (vented/solid)		F	Cast iron, vented	
		R	--	
Drum	Diameter (nominal)	241 (9.5)		
	Type and material	Finned, cast iron		
Wheel cylinder bore	Front	63.5 (2.50)		
	Rear	19.1 (0.75)		
Master Cylinder	Bore	24.0 (.94)		
	Stroke	3.5:1		
Pedal arc ratio			3.5:1	
Line pressure at 445 N (100 lb.) pedal load — MPa (psi)				
Lining Clearance Per Shoe	Front	Self adjusting		
	Rear	Self adjusting		
Brake lining	Front Wheel	Bonded or riveted, rivets/seg.	Riveted, 8	
		Rivet size	5.33 x 7.92 (.210 x .312)	
		Manufacturer	Delco Moraine	
		Lining Code		
		Material	Molded asbestos	
		**** Prim. or out-board	125 x 48.4 x 11.04 (4.92 x 1.91 x .435)	
	Size Second or in-board	125 x 48.4 x 11.04 (4.92 x 1.91 x .435)		
	Shoe thickness (no lining)		Inboard - 15.84 (.620); Outboard - 13.97 (.550)	
	Rear Wheel	Bonded or riveted, rivets/seg.	Riveted - 10 primary, 12 secondary	
		Manufacturer	Delco Moraine	
		Lining Code		
		Material	Molded asbestos	
**** Prim. or out-board		192.5 x 50.8 x 4.98 (7.58 x 2.0 x 0.196)		
Size Second or in-board		249.6 x 50.8 x 6.75 (9.83 x 2.0 x 0.266)		
Shoe thickness (no lining)		9.7 (0.380)		

\*Excludes rivet holes, grooves, chamfers, etc.

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

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

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

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

Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*\*)

2-Door Sport Coupe

**Steering**

Manual (std., opt., N.A.)		N.A.	
Power (std., opt., N.A.)		Std.	
Adjustable steering wheel (tilt, swing, other)		Tilt - 'U' joint steering shaft at base of steering wheel - 6 position	
Type and description (Std., opt., N.A.)		Opt.	
Wheel diameter		Manual	
		Power	
		387 (15.25)	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	12.2 (40.0)
		Curb to curb (l. & r.)	11.3 (37.1)
	Inside rear	Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	
Manual	Gear	Type	NOT AVAILABLE
		Make	
		Ratios	
		Gear Overall	
	No. wheel turns (stop to stop)		
Power	Type (coaxial, linkage, etc.)		Integral gear & power piston with vane type gear
	Make		Saginaw Steering Gear
	Gear	Type	Semi-reversible recirculating ball nut
		Ratios	14.0:1
		Gear Overall	15.3:1
	Pump driven by		'V' belt
No. wheel turns (stop to stop)		3.3	
Linkage	Type		Parallelogram
	Location (front or rear of wheels, other)		Front
	Drag links (trans. or longit.)		None
	Tie rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		7.86
	Bearings (type)	Upper	Ball stud with non-metallic surfaces
		Lower	Ball stud with non-metallic surfaces
		Thrust	None
Steering spindle & joint type		Forging with pad for mounting brake cylinder spherical	
Wheel Spindle	Diameter	Inner bearing	31.7 (1.25)
		Outer bearing	21.4071 - 21.4274 (.843-.844)
	Thread size		3/4-20 UNEF - 3A (modified)
	Bearing type		Tapered roller
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)	
		Camber (deg.)	
		Toe-in (outside track-mm (in.))	
	Service reset	Caster	
		Camber	
		Toe-in	
	Periodic M.V. Inspection	Caster	
		Camber	
		Toe-in	

**MVMA Specifications Form**  
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Car Line Monte Carlo  
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Body Type And/Or Engine Displacement

2-Door Sport Coupe

**Suspension -- General**

Car leveling	Standard/Optional/NA	N.A.
	Type (air, hyd., etc.)	--
	Manual/auto. controlled	--
Provision for brake dip control		Front suspension geometry
Provision for acc. squat control:		Rear suspension geometry
Special provisions for car jacking		Side lift frame body bolt access holes on each side of frame at #2 & #4 body mounting access holes
Shock absorber front & rear	Type	Direct, double acting, hydraulic
	Make	Delco
	Piston dia.	25 (1.0)
Other special features		

**Suspension -- Front**

Type and description		Independent SLA
Travel	Full Jounce	90 (3.54)
	Full Rebound	92 (3.62)
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	260 x 102.9 x 2953 x 15.6 (10.2 x 4.05 x 116.3 x 0.610)
	Spring rate -- N/mm (lb./in.)	52.5 (300)
	Rate at wheel -- N/mm (lb./in.)	15.6 (89)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel - 25 (0.98); w/RPO F41 - 32 (1.26)

**Suspension -- Rear**

Type and description		Salisbury 4-link	
Drive and torque taken through		Control arms	
Travel	Full Jounce	107 (4.21)	
	Full Rebound	113 (4.45)	
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel alloy	
	Size (length x width, coil design height & I.D., bar length & dia.)	254 x 139.7 x 2296 x 12.6 (10.0 x 5.5 x 90.4 x 0.495)	
	Spring rate -- N/mm (lb./in.)	17.5 (100)	
	Rate at wheel -- N/mm (lb./in.)	17.9 (102)	
	Mounting insulation type		
	If leaf	No. of leaves Shackle (comp. or tens.)	-- --
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	Steel - 22 (0.87) - with RPO F41 Spt. Susp. only	
Track bar type			

**MVMA Specifications Form**  
**Passenger Car**  
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Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Body Type

2-Door Sport Coupe

**Body — Miscellaneous Information**

Type of finish (lacquer, enamel, other)	Acrylic Lacquer	
Hood hinge location	Rear	
Hood counterbalance (type)	Conventional 4-link type with spiral spring	
Hood release control (internal, external)	Internal	
Vehicle Ident. No. Location	Top left hand of instrument panel pad	
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	---
Seat back type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	---
Method of holding luggage compartment lid open	Boxed hinges with torsion rod	
Position of spare tire storage	Semi-vertical - right rear trunk area	

**Passive Restraint System**

Inflatable Restraint System	Standard/Optional	
	Type of charging system	
	Location (stg. 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)	Full frame, perimeter type
---	----------------------------

**MVMA Specifications Form**  
**Passenger Car**  
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Car Line Monte Carlo  
 Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Body Type  
 2-Door Sport Coupe ---

**Convenience Equipment**

Power windows	Side Windows	Optional
	Vent Windows	NA
	Backlight or tailgate	--
Power seats (specify type as well as availability)		Optional - 6 way 55/45 power bench seat, drivers only. - 6-way power bench seat.
Reclining front seat back (R-L or both)		NA
Radios (specify type as well as availability)		Optional - AM push button, AM/FM push button, AM/FM stereo, AM/FM Stereo w/cassette tape, AM/FM Stereo w/8-track tape (a)
Rear seat speaker		Optional
Power antenna		Optional
Clock		Standard
Air Conditioner (specify type)		Optional - "Four Season" manual controls
Speed warning device		NA
Speed control device		Optional with automatic transmission
Ignition lock lamp		NA
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Standard
Map lamp		NA
Cornering lamp		NA
Rear window defroster electrically heated		Optional
Rear window defogger		Lock mounted on steering column; locks steering wheel, transmission, shift lever and ignition.
Theft protection - type		Standard
Ash tray lamp		Standard

(a) - Radio - AM/FM stereo with citizen's band transceiver..

(b) - Stereo equipment includes 2 front and 2 rear speakers.







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

Car Line Monte Carlo  
 Model Year 1981 issued 9-80 Revised (\*) \_\_\_\_\_

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

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

**Width**

Tread — Front	W101	1486 ( 58.5)
Tread — Rear	W102	1467 ( 57.8)
Vehicle width	W103	1824 ( 71.8)
Body width at Sq RP — front	W117	1785 ( 70.3)
Vehicle width — front doors open	W120	3989 (157.0)
Vehicle width — rear doors open	W121	--

**Length**

Wheelbase	L101	2745 (108.1)
Vehicle length	L103	5090 (200.4)
Overhang — front	L104	1077 ( 42.4)
Overhang — rear	L105	1268 ( 49.9)
Upper structure length	L123	2303 ( 90.7)
Rear wheel C/L "X" coordinate	L127	2377 ( 93.6)
Cowl point "X" coordinate	L125	158 ( 6.2)

**Height \*\***

Passenger Distribution (fr./rear)	PD1,2,3	**
Trunk/Cargo load		**
Vehicle height	H101	1380 ( 54.3)
Cowl point to ground	H114	974 ( 38.3)
Deck point to ground	H138	
Rocker panel front to ground	H112	222 ( 8.7)
Bottom of door closed - front to grd.	H133	
Rocker panel rear to ground	H111	223 ( 8.8)
Bottom of door closed - rear to grd.	H135	

**Ground Clearance \*\***

Front bumper to ground	H102	317 ( 12.5)
Rear bumper to ground	H104	344 ( 13.6)
Bumper to ground — front at curb mass (wt.)	H103	339 ( 13.3)
Bumper to ground — rear at curb mass (wt.)	H105	366 ( 14.4)
Angle of approach @ GVW	H106	19.2°
Angle of departure @ GVW	H107	17.2°
Ramp breakover angle @ GVW	H147	14.3°
Rear axle differential to ground	H153	299 ( 11.8)
Min. running ground clearance	H156	135 ( 5.3) (a)
Location of min. run. grd. clear.		(a) Rear shock absorber bracket

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.

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

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Monte Carlo

Model Year 1981

Issued 9-80

Revised (\*)

### Body Type

SAE Ref. No.	2-Door Sport Coupe
--------------	--------------------

### Front Compartment

Sg RP front, "X" coordinate	L31	1088 (42.8)
Effective head room	H61	956 (37.6)
Effective T Point head room	H75	961 (37.8)
Max. eff. leg room — accelerator	L34	1086 (42.8)
Sg RP — front to heel	H30	228 (9.0)
Design H-point front travel	L17	172 (6.8)
Shoulder room	W3	1430 (56.3)
Hip room	W5	1313 (51.7)
** Upper body opening to ground	H50	
Steering Wheel Angle	H18	19.5°
Back Angle	L40	26.5°

### Rear Compartment

Sg RP Point couple distance	L50	817 (32.2)
Effective head room	H63	961 (37.8)
Effective T Point head room	H76	957 (37.7)
Min. effective leg room	L51	923 (36.3)
Sg RP — second to heel	H31	264 (10.4)
Knee clearance	L48	53 (2.1)
Compartment room	L3	682 (26.9)
Shoulder room	W4	1419 (55.9)
Hip room	W6	1394 (54.9)
** Upper body opening to ground	H51	---

### Luggage Compartment

Usable luggage capacity — L (cu. ft.)	V1	476 (16.8)
** Litter height	H195	618 (24.3)

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

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Monte Carlo

Model Year 1981

Issued 9-80

Revised (\*)

## Body Type

SAE Ref. No.	2-Door Sport Coupe
--------------	--------------------

### Station Wagon — Third Seat

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

### 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	Not
Cargo length at belt — second	L205	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	
Tail gate to ground height (Curb)	H250	
Front seat back to load floor height	H197	
Cargo volume index — m <sup>3</sup> (ft. <sup>3</sup> )	V2	
Hidden cargo volume — m <sup>3</sup> (ft. <sup>3</sup> )	V4	

### Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat		
Back Height	L208	
Cargo length at floor — front	L208	
Cargo volume index — m <sup>3</sup> (ft. <sup>3</sup> )	V3	Not
Hidden cargo volume — m <sup>3</sup> (ft. <sup>3</sup> )	V4	Applicable

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 Monte Carlo

Model Year 1981 Issued 9-80 Revised (\*) \_\_\_\_\_

Body Type

2-Door Sport Coupe

## Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location	
Front	X - Fiducial mark to vertical base grid line-front, measured horizontally from 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	564.0 ( 22.0 )
	L54	2761.0 (108.7)
	H81	490.0 ( 19.3 )
	H161	341.5 ( 13.4 )
	** H163	320.1 ( 12.5 )
Rear	W22	534.0 ( 21.0 )
	L55	5338.0 (210.2)
	H82	616.0 ( 24.3 )
	H162	468.0 ( 18.4 )
	** H164	446.8 ( 17.5 )

\* 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

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Monte Carlo

Model Year 1981

Issued 9-80

Revised (\*)

## Body Type

SAE Ref. No.	2-Door Sport Coupe
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## Glass

Backlight slope angle	H121	35.5°
Windshield slope angle	H122	58.5°
Tumble - Home	W122	23.5°
Windshield glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S1	8786.3 (1361.9)
Side glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S2	9060.5 (1404.4)
Backlight glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S3	4660.0 (722.3)
Total glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S4	22506.8 (3488.6)
Windshield glass type		Curved Laminated Plate
Side glass type		Curved Tempered Plate
Backlight glass type		Curved Tempered Plate

## Lamps and Headlamp Shape \*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest **	671 (26.4)
		Lowest	657 (25.9)
	Tail (H128)	Highest	781 (30.8)
		Lowest	681 (26.8)
	Sidemarker	Front	371 (14.6)
		Rear	375 (14.8)
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside **	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	
Headlamp Shape		Rectangular	

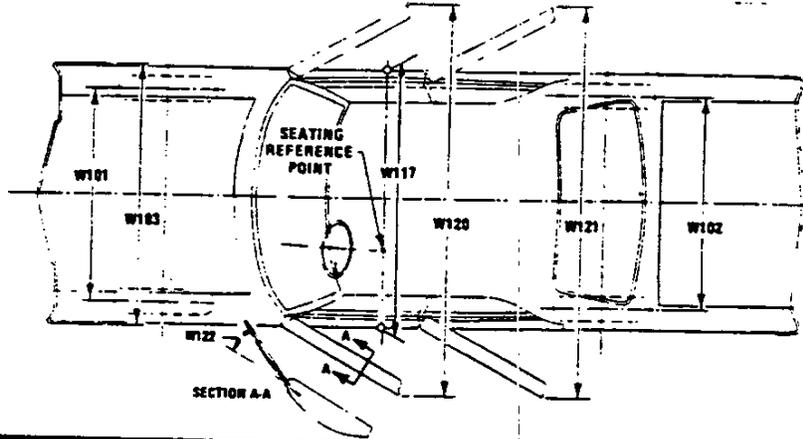
\* Measured at curb mass (weight).

\*\* If single headlamps are used enter here

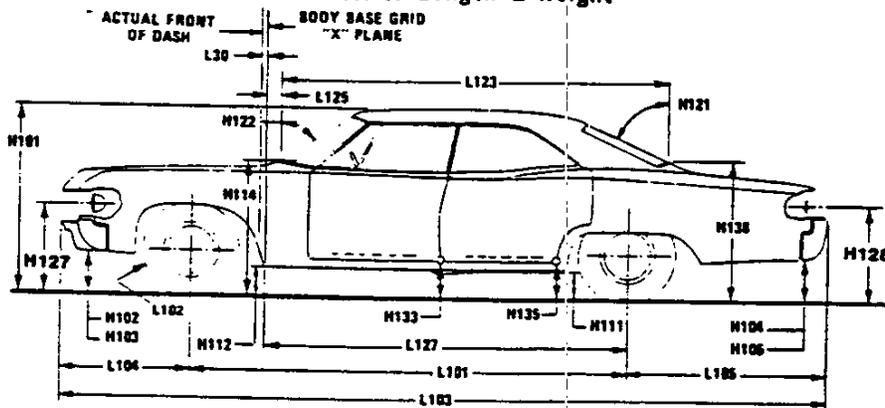
**MVMA Specifications Form**  
**Passenger Car**  
**METRIC (U.S. Customary)**

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

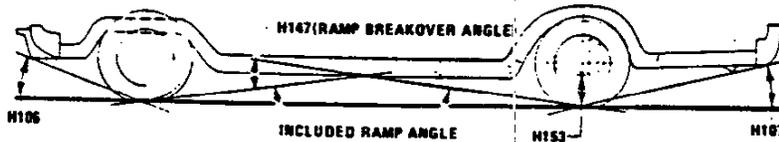
**Exterior Width**



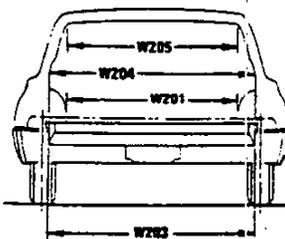
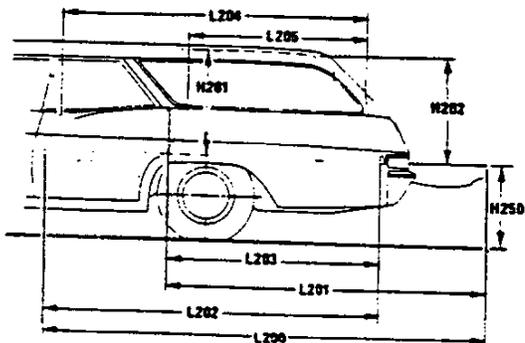
**Exterior Length & Height**



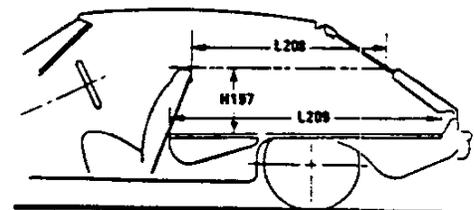
**Exterior Ground Clearance**



**Cargo Space**



**Station Wagon**

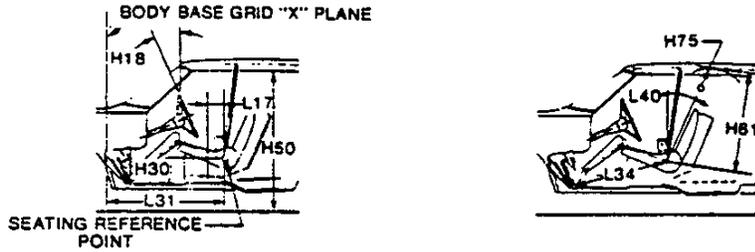


**Hatchback**

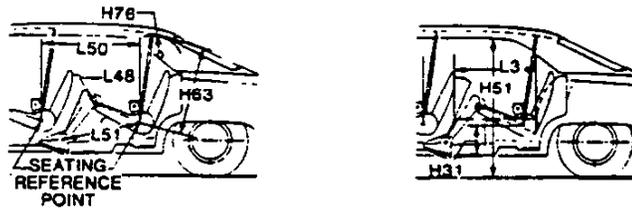
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**Interior Car And Body Dimensions — Key Sheet**

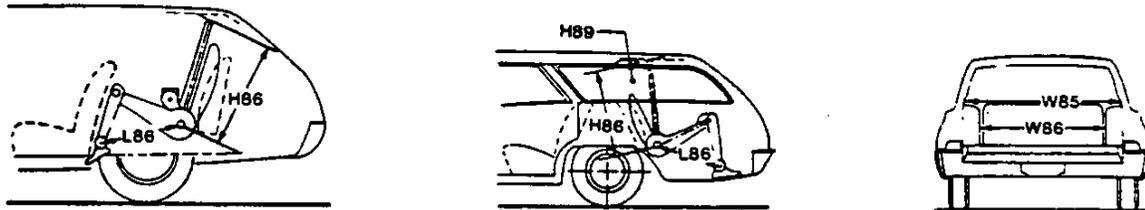
**Front Compartment**



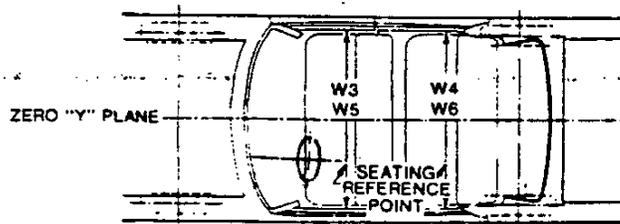
**Rear Compartment**



**Third Seat**



**Interior Width**



# MVMA Specifications Form

## Passenger Car

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### 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 is forward of the zero "X" plane.
- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L102 TIRE SIZE. As specified by the manufacturer.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, two hooks and/or rub strips, if standard equipment.
- L104 OVERHAND—FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, two hooks and/or rub strips, if standard equipment.
- L105 OVERHAND—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, two 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.
- H103 FRONT BUMPER TO GROUND—CURB WEIGHT. Measured in the same manner as H104.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND—CURB WEIGHT. Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

# MVMA Specifications Form

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

H107	ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.	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).
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.	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.
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.	L48	KNEE CLEARANCE — SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.	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.
<b>Front Compartment Dimensions</b>			
PD:	PASSENGER DISTRIBUTION — FRONT.	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.
L31	SgRP — FRONT "X" COORDINATED.	W6	HIP ROOM — SECOND. Measured in the same manner as W5.
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).	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.
H75	EFFECTIVE T-POINT HEAD ROOM — FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).	<b>Luggage Compartment Dimensions</b>	
L34	MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP — front plus 10.0 in. (254 mm) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.	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.
H30	SgRP — FRONT TO HEEL. The dimension measured vertically from the SgRP — front to the accelerator heel point.	H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.
L17	DESIGN H-POINT — FRONT TRAVEL. The dimension measured horizontally between the design H-point — front in the foremost and rearmost seat trace positions.	<b>Station Wagon — Third Seat Dimensions</b>	
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.	PD3	PASSENGER DIRECTION — THIRD
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.	W85	SHOULDER ROOM — THIRD. Measured in the same manner as W5.
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.	W86	HIP ROOM — THIRD. Measured in the same manner as W5.
H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.	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).
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.	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).
<b>Rear Compartment Dimensions</b>			
PD2	PASSENGER DISTRIBUTION — SECOND.	H89	EFFECTIVE T-POINT HEAD ROOM — THIRD. Measured in the same manner as H75.
L50	SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP — front to the SgRP — second.	<b>Station Wagon — Cargo Space Dimensions</b>	
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).	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.
H76	EFFECTIVE T-POINT HEAD ROOM — SECOND. Measured in the same manner as H75.	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.

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**Interior Car And Body Dimensions — Key Sheet**  
**Dimensions Definitions**

- 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:  

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

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

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