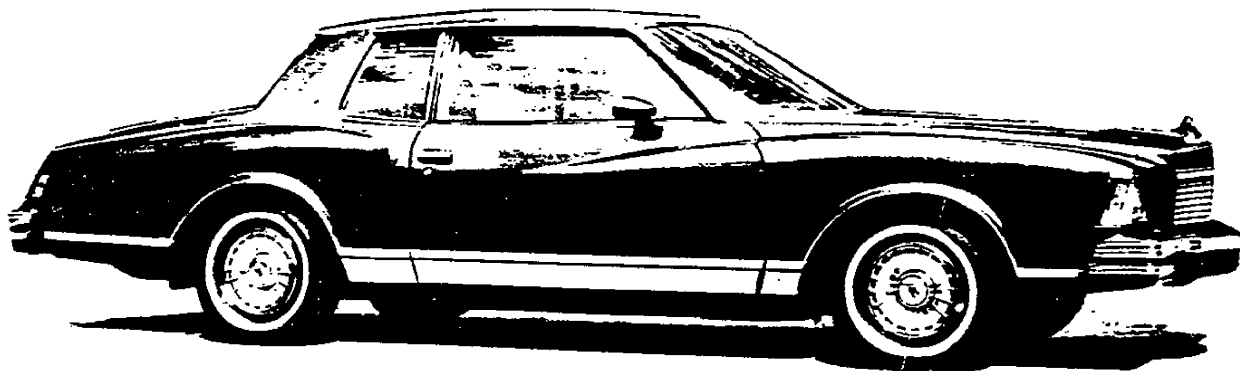


Chevrolet



1978 Monte Carlo





NEWS

From
Public Relations Department

CHEVROLET MOTOR DIVISION
General Motors Corporation
General Motors Building
Detroit, Mich. 48202 313-556-5937

FOR RELEASE

PM's SEPTEMBER 15, 1977

(#8230)

1978 MONTE CARLO

The third generation of Chevrolet's highly successful personal car, Monte Carlo, makes its appearance for 1978. It has been redesigned to a completely new size, offering affordable luxury with superior handling.

Available in 2-door coupe body style only, Monte Carlo has been reduced by 803 pounds to a more efficient curb weight of 3143 pounds. Overall length is 200.4 (12.9 inches less), vehicle height is 53.9 inches (1.1 inch more) and the wheelbase is 108.1 (7.9 inches less).

While slimmer and trimmer on the outside, except for height, the interior is more spacious with improvements in many dimensions* such as front and rear headroom, front and rear legroom, rear hip room and rear knee clearance.

The 1978 Monte Carlo has been reengineered to meet the need for modern levels of vehicle efficiency, but the character that has made it the most prestigious car of its type has been enhanced.

Its character has been strengthened by a more formal roofline and a new highly styled body including single rectangular headlamps, prominent grid pattern grille and distinctive five-segment taillamps. Lower body contours retain the suggestion of previous model designs.

Basic mechanical design and body structure elements are similar to Malibu Classic and Malibu components with specific differences in exterior body appearance, interior trim levels, suspension and tires, and other content items.

*See table - last page

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Substantial reduction in weight, modern aerodynamics and new power train combinations make the new Monte Carlo a more fuel efficient car. Monte Carlo fuel economy is expected to improve approximately 18 percent. On an individual basis, the new vehicle equipped with a GM 3.8 litre (231 CID) V6 engine is expected to show a 23 percent fuel economy improvement. The optional 5.0 litre (305 CID) V8 is expected to improve about 15 percent in fuel economy with a performance increase of about 10 percent. The 5.7 litre V8 is not available for 1978.

Bore and stroke of the new GM V6 engine are 3.80 and 3.40 inches, respectively, with a resulting displacement of 231 cubic inches or 3.8 litres. A 2-barrel carburetor is used and all major components such as manifolds, cylinder heads and engine block are cast iron.

Transmissions include a base three-speed manual with available four-speed manual and automatic for the 3.8 litre V6, and a choice of either a four-speed manual or automatic with the 5.0 litre V8. Automatic transmissions are required in California, and the 5.0 litre V8 with automatic transmission is the only combination for sale with the high altitude package.

Special chassis components standard with a new suspension for improved handling response include a special frame, front and rear stabilizer bars and P205/70R steel-belted radial ply tires.

Aluminum inner and outer deck lid panels are used with the new body for the first time to save weight as are finned aluminum (V8 only) rear brake drums. Improved anti-corrosion protection is extended to all vital areas of the body and includes Zincrometal, aluminum, galvanizing, zinc priming, anti-corrosion dip and special sealers and coatings.

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Aluminum is also used for the front and rear bumper reinforcement bars which are structural members behind a polyethelene honeycomb-construction energy absorbing element. The new outer covering is an injection-molded, pliable skin finished in body color to provide an integrated appearance.

Luxurious interior seats and sidewall trim, specific to the Monte Carlo, complement the individuality of the sculptured exterior. Standard front seat is a conventional bench with a split back. An optional 55/45 split bench seat and optional bucket seats give individual adjustment to the driver and passenger.

Luggage capacity is increased by 1.2 cubic feet to 16.5 cubic feet with more utility for larger pieces.

A Monte Carlo Landau model is available for 1978 and includes a partial roof vinyl cover with specific rear quarter window treatment, sport mirrors, special wheel covers, lower body applique, upper body pinstriping and "Landau" nameplates with decorative crest. The Landau model option requires power steering, power brakes and automatic transmission.

In addition to a power operated steel sun roof option, a new twin hatch sun roof option is available with removable tinted glass panels that can be removed from above the driver and/or front seat passenger side.

MAJOR DIMENSIONS OF 1978 MONTE CARLO
(Over +/-Under- 1977 Monte Carlo)

Overall Length	200.4	(-12.9)
Wheelbase	108.1	(- 7.9)
Overall Width	71.5	(- 6.1)
Overall Height	53.9	(+ 1.1)
Front Seat:		
Headroom	37.6	(+ 0.6)
Legroom	42.8	(+ 0.4)
Hip Room	51.6	(- 3.2)
Rear Seat:		
Headroom	37.8	(+ 0.7)
Legroom	36.3	(+ 3.4)
Hip Room	54.9	(+ 2.2)
Knee Clearance	2.1	(+ 3.4)

#

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MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
A--SPECIAL	MONTE CARLO	2-Dr. Sport Coupe	1AZ37	6

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1 Z 37 U 8 B 400001

Sequential Number
Assembly Plant (*)
Model Year 1978
Engine Type (**)
Body style (last two digits of model Number)
Car line and Series (***)
Make ("1" for Chevrolet)

*B - Baltimore-GMAD R - Arlington-GMAD
D - Doraville-GMAD Z - Fremont-GMAD
L - Leeds-GMAD #2 - Oshawa (Canadian Plt.)

A - V6 231 (105 H.P.) U - V8 305 (145 H.P.) ~~new~~
*** - Monte Carlo

EXAMPLE: The twenty-fifth Monte Carlo vehicle built at GMAD Baltimore 1A237 model (Monte Carlo Sport Coupe) with a V8-305 (145 H.P.) engine would bear VIN number 1Z37U8B400025

**Location Stamped on plate attached to top
left hand of instrument panel.**

TRANSMISSION IDENTIFICATION

Example: Y8E01

Type Designation	Source Designation	Model Year 1978	Production ^o Month & Date
RZ	R - (Muncie)	8	E01D*

RZ	3-Speed	V-6 engine	S - Muncie
S3	4-Speed	V-6 engine	R - Muncie
S4	4-Speed	V-8 engine	R - Muncie
5BZ	3-Speed Auto.	V-6 engine	B - Parma
5CO	3-Speed Auto.	V-8 engine	D - Parma

Location:

3-Speed & 4-Speed Stamped on
right side of the case, at adapter.

3-Speed Automatic Stamped on
right side transmission, above filler plug.

o-Month: E denotes May; (see below) 01 denotes 1st day
Alpha Characters used in identifying the calendar Month

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

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

ENGINE IDENTIFICATION

Example: F1210ET

<u>Source</u> <u>Designation</u>	<u>Production*</u> <u>Month & Date</u>	<u>Type</u> <u>Designation</u>
F (Flint)	1210	ET

3.8L, 231 Cubic Inch V-6, Base Engine

ET - Regular engine, 3-Speed Transmission
ET - Regular engine, 4-Speed Transmission
OH - Regular engine, 3-Speed Automatic

5.0L, 305 Cubic Inch V-8, (RPO LG3)

CRU - Optional engine, 3-Speed Automatic
CRW - Optional engine, 4-Speed Transmission

Location:

**V8-cylinder engine Stamped on pad at front
right side of cylinder block.**

V6-cylinder Stamped on pad at front
right side of cylinder block.

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

REAR AXLE IDENTIFICATION

2BH - 2.29 Axle
2RC - 2.56 Axle
2AB - 2.73 Axle
2BG - 2.93 Axle

Location, Identification Number
Bottom left or right of axle tube
adjacent to carrier housing.

See Power Train Section for additional information.

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT

FRONT

MONTE CARLO

Bright Windshield Reveal Molding	X
Concealed Windshield Wipers with Non-Articulated Arms (F)	X
Rectangular Fender Mounted Parking Lamp, Clear Lens with Crest, Amber Bulb, Incorporating Amber Lens in Fender Wrap-Around Portion to form Side Marker Lamp (C)	X
Radiator Grille and Peripheral Moldings, Chrome Plated Plastic (C)	X
Headlamps, Rectangular, Single (C)	X
Bright Headlamp Bezels (C)	X
"Monte Carlo" Nameplate on Radiator Grille (L.H. Side) (C)	X
Upright Mounted Monte Carlo Crest in Center of Front End Panel (C)	X
Body Colored Front Bumper with Bright Accent Strips (C)	X

SIDE

Sail Panel Crest	X
Bright LH Outside Rear View Mirror	X
Body Side Lower Molding - Bright with Argent Center (F & C)*	X
Bright Drip Moldings	X
Bright Wheel Opening Moldings	X
Bright/Black B-Pillar Molding (F)	X
Bright Belt Bead Molding - Door and Quarter (F)	X
Wheel Trim Covers (C)	X
Bright Lift Bar Door Handles	X
Front Fender Nameplate Script - "Monte Carlo"	X
Rear Marker Lamp with Red Lens, Vertically Oriented, Mounted in Quarter End Caps (F)	X

REAR

Deck Lid Nameplate "Monte Carlo" Script and Blow Tie Above R.H. Taillamp (F)	X
Rear Window Reveal Molding	X
Five-Segment Tail Lamps with Bright Bezel, Mounted in Rear End Panel (Inboard portion, clear lens backup lamp) (F)	X
Monte Carlo Crest on Deck Lid Lock Cylinder Cover (F)	X
Bright License Plate Pocket Molding (F)	X
Bright Molding Along Lower Edge of Deck Lid (F)	X
Body Colored Rear Bumper with Bright Accent Strips (C)	X

(C) = Chevrolet Item

(F) = Fisher Item

*NOTE: Center portion changes to blue-gray metallic, interim 1978.

STANDARD INTERIOR EQUIPMENT

ROOF AND PILLARS

MONTE CARLO

Headlining, Alpine Cloth over Thick Foam Padding (F)	X
Rear View Mirror 10" Prismatic - Textured Black Metal Vinyl Clad	X
Rear View Mirror Support, Bonded to W/S, Black Painted	X
Sunshade, Sliding Type, Padded, Non-Hook, Victor Cloth Covered, Diagonal Break Line at Outboard Corner (F)	X
Roof Side Rail Garnish Moldings - Painted Aluminum (F)	X
Rear Window Moldings - Painted Aluminum (F)	X
Windshield Garnish Moldings - Painted Aluminum (F)	X
Rear Quarter Upper Trim Panel, Molded Plastic (F)	X
Coat Hooks, Plastic - Trim Color (F)	X
Center Dome Light - Plastic Lens (F)	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F)	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar (F)	X

SEATS AND FLOOR COVERING

Front and Rear Seat Cushion and Backrest, Full Molded Foam (F)	X
Bench Type Seats, Split Front Seat Backrest, Specific Seat Trim Design (F)	X
Three Point Front Seat Outboard Belt System (Lap & Shoulder) with Single Locking Retractor (One per Side), Black (F)	X
Front Seat Center Lap Belt, Black (F)	X
Front Seat Head Restraints (F)	X
Package Shelf, Embossed Board (F)	X
Carpet, Floor Covering - Nylon Cut Pile (F)	X
Inertia Type Front Seat Back Locks (F)	X
Rear Passenger Compartment Ash Tray in Driver's Seat Back (F)	X

DOOR AND QUARTER PANEL

Plastic Molded Front Door Lower Trim Panel, W/Armrest (F)	X
Soft Trim Door Upper Panel with Pull Strap (F)	X
Pull Type Door Handle (F)	X
Rear Quarter Panel with Integral Armrest (F)	X
Window Control Handle Knobs, Clear Plastic (F)	X
Door Lock Buttons - Bright (F)	X
Front Door Locks, 2-Position Free Wheeling (F)	X
Rear Quarter Sidewalls - Vinyl Trimmed (F)	X

TRUNK COMPARTMENT

Black spatter Paint Trunk Compartment Finish (F)	X
Black Needled Polypropylene Trunk Floor Covering (F)	X

(F) = Fisher Item

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT

INSTRUMENT PANEL AND STEERING WHEEL

MONTE CARLO

Glove Compartment, Ash Tray and Instrument Panel Courtesy Lamps (C)	X
Heater Control Light (C)	X
Temperature, Generator, Oil Pressure, Brake and Seat Belt Warning Lights (C)	X
Hi-Beam and Turn Signal Indicators (C)	X
Two-Speed Windshield Wiper and Washer Switch (Slide Type Depress to Wash) -- Illuminated (C)	X
Lighting Control Knob, Black Barrel with Brushed Aluminum Face (C)	X
Black Hazard Flasher Knob (C)	X
Radio Knobs, Black Barrel with Brushed Aluminum Face (C)	X
Soft Black Turn Signal/Headlamp Dimmer and Transmission Shift Lever Knobs (C)	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock (C)	X
Black Parking Brake Release Handle, Integrated into IP (C)	X
Black T-Handle Interior Hood Release (C)	X
Blended Air Heater (C)	X
Ash Tray, Drawer Type, Under Center Portion of IP (C)(*)	X
Cigarette Lighter Knob; Black Barrel with Brushed Aluminum Face (C)	X
80 MPH (140 KPH) Speedometer and Odometer, Clock and Fuel Gage (C)	X
Instrument Panel Pad Color-Keyed to Interior (C)	X
Instrument Panel Astro-Ventilation Outlets (C)	X
Glove Compartment Door Lock (C)	X
"Monte Carlo" nameplate on Inst. Panel Pad above Glove Compartment (F)	X
Round Instruments with Color Keyed Cluster Carrier (C)	X
Color Keyed Steering Wheel and Column	X
Dual Vent Control Knobs at L.H. and R.H. of Steering Column (C)	X
Soft Vinyl Steering Wheel and Shroud with Bright Band Inset into Rim, Shield Emblem on Shroud (C)	X
Plastic Cowl Kick Pads (C)	X
Electric Clock, Round (C)	X
Fuel Gage ("Unleaded Fuel Only"), Round (C)	X

GLASS

Laminated Safety Plate Glass Windshield (Thin Design)	X
Solid Safety Plate Backlight	X
Solid Safety Plate Side Windows	X

(C) = Chevrolet item

(F) = Fisher item

(*) = Changed to tip-down type, 1978 interim.

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
MODEL OPTIONS		
Monte Carlo 'Landau' (see page 10 for content)	Z03	
Monte Carlo "Sun Roof" (See page 11 for content)	CC1	
Monte Carlo "Luxury Interior" (See page 11 for content)	Z06	
POWER TEAMS		
5.0 Litre - V8 (305 CID)	LG3	
Axle Positraction	G80	
Axle High Altitude	G92	
4-Speed Manual Transmission	M20	
3-Speed Automatic Transmission	MX1	
FACTORY INSTALLED REGULAR PRODUCTION TIRES		
P205/70R-14, Steel Belted Radial Ply, White Stripe	QFK	

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC
POWER ASSISTS		
Locks, Electric Door	AU3	
Rear Compartment Remote Control Electric Lock	A90	
Sunroof	CA1	
Seat, 6-Way Electric Control Bench	A42	
Window, Electric Control	A31	
Brakes, Power (Optional Non-A/C V6 engines required all other applications)	J50	
Steering, Power (Required with Z10, V8 engines; Optional Non-A/C V6 engines)	N41	
OTHER OPTIONS		
Air Conditioning, Four-Season (See page 12 for content)	C60	
Alarm, Theft		X
Battery, Heavy Duty	UA1	
Belts, Custom Deluxe Seat and Shoulder (Color Keyed to Interior)	AK1	
Compass		X
Console, Front Compartment Floor (Required Bucket Seats)	D55	
Container, Litter and Tissue Dispenser (Saddle type)		X
Defogger, Rear Window (Electric)	C49	
Gauges, Instrument Panel	U14	
Gauges, Instrument Panel	UF7	
Generator, 61-Amp Delcotron	K76	
Glass, Tinted - All Windows	A01	
Glass, Tinted - Windshield only (Fleet use and Canadian use only)	A02	
Guard, Vinyl Door Edge		X
Guard Door Edge Stainless Steel	B93	X
Harness, Trailering Wiring		X
Hitch, Trailer - Equalizing Type		X
Hitch, Trailer - Deadweight Type		X
Heater, Engine Block		X
Lighting, Auxiliary	ZJ9	
Engine Compartment Lamp (U26)		X
Instrument Compartment Courtesy Lamps (U29) (Standard)		
Glove Compartment Lamp (U27) (Standard)		X
Dome/Courtesy Lamp - Electronic Delay Switch (C94)		X
Luggage Compartment Lamp (U25)		X
Ash Tray Lamp (U28) (Standard)		X
"Headlamp On" Buzzer (T63)		
Litter Container	D24	X
Mats, Front and Rear, Color Keyed, 2 Front and 2 Rear	B37	X
Mirrors, Sport Outside Rear View Body Color - LH Remote Control and RH - Manual Control	D35	
Mirror, Outside Remote-Control, Rear View LH	D33	
Mirror, Visor Vanity	D34	X
Mirrors, Sport Outside Rear View Remote Control Body Color	D68	
Mirror, Illuminated Visor Vanity	D64	

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
OTHER OPTIONS		
Mirror, RH		X
Mirror, Trailing - Fender Clamp		X
Radiator, Heavy Duty	V01	
Molding, Body Side - Color-Keyed Vinyl Insert	BW2	
Molding, Side Window Belt	B85	
Molding, Lower Body Side	BX2	
Radio, Equipment: Radios, Pushbutton - Includes concealed w/s antenna.		
AM Radio	U63	X
AM/FM Radio	U69	X
AM/FM/Stereo Radio	U58	X
Stereo Tape System with AM Radio	UM1	X
Stereo Tape System with AM/FM Radio	UM2	X
Speaker, Rear Seat	U80	X
Speakers, Dual Front	UX6	
Antenna, Power	U75	
Roof Cover Landau	CB4	
Roof Cover, Vinyl	C09	
Radio, Citizens Band		X
Seat, Safety - Child		X
Seat, Safety - Infant		X
Seat 55/45 Passenger Front	AM6	
Seat, Bucket	A51	
Speed Control, Automatic	K30	X
Steering Wheel, Comfortilt, Only with Automatic Transmission	N33	
Sun Roof Steel, Power Operated	CA1	
Suspension, H.D. Front and Rear (Requires V8 engine)	F40	
Spotlight, Hand		X
Wheel Cover - Special Simulated Wire	N95	
Wheel Rally 15 x 7 Hub Cap and Trim Ring (N.A. with Z03)	ZJ7	
Warmer, Interior Car		X
Intermittent Windshield Wiper System	CD4	

"LANDAU" OPTION EQUIPMENT

MONTE CARLO 'LANDAU' OPTION RPO Z03

AVAILABILITY

Standard model 1AZ37

POWER TRAIN AVAILABILITY

Same as standard model.

CONTENT (In addition to or in place of standard equipment)

EXTERIOR

Specific vinyl cover on rear portion of roof.
Body side pin striping.
Sport mirrors (LH remote control, RH manual) (D35).
Specific "Landau" sail panel emblem.
Plastic wheel trim covers.
White striping on quarter window.
Bright roof top moldings with vinyl top colored sail panel and
and backlight lower molding.
Bright, wide lower body side moldings, between wheelhouses,
extending from narrow lower body molding to bottom of
door cut line.

INTERIOR

Vanity visor mirror.
"Landau" plaque on instrument panel pad.

MONTE CARLO "SUN ROOF" OPTION RPO CCI (Twin Hatch Type)

AVAILABILITY

Standard model 1AZ37.

POWER TRAIN AVAILABILITY

Same as standard model.

CONTENT (In addition to or in place of standard equipment)

EXTERIOR

Removable glass hatch panels.
Narrow, bright molding across roof, at rear of hatch opening
(CCI roof).
Narrow, bright molding across roof at front of hatch opening.
Body color windshield header panel.
Narrow, black molding at front, rear and inner edge of
removable panels.
Wide, black molding with narrow bright drip molding at outer
edge of removable panels.

INTERIOR

Bright windshield reveal molding.
Dual sail panel interior lamps, (replacing dome lamp).

LUXURY INTERIOR OPTION RPO Z06

INTERIOR

Specific door trim panel design.
Specific 55/45 bench seat with folding armrest.
Specific seat trim design.
Deluxe, color keyed seat and shoulder belts.

AIR CONDITIONING

FOUR-SEASON (RPO C60)

Integral air cooling and heater system. Manually controlled by two horizontal levers on instrument control panel, plus 4-speed fan switch. Upper lever (mode selector control) uses vacuum supply and electrical switches to operate mode doors and compressor. Lower lever uses bowden cable to operate temperature door. Seven air outlets: 2 center, 2 side, 2 lower, plus lap cooler mounted below steering column.

BASIC COMPONENTS

Modular system incorporating air inlet chamber and valve, evaporator core, blower motor plus separate control panel, condenser, receiver-dehydrator, refrigerant (freon) tank, and duct assembly.

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

CHASSIS

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

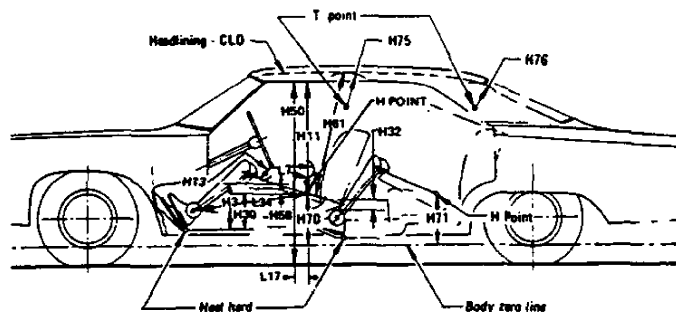
POWER TRAINS

Fan Blade 5 blade
Fan Clutch Thermomodulated fluid coupling
Crankshaft Pulley Dual
Water Pump & Fan Pulley Single
Compressor & Crankshaft Belt One
Generator 61 Ampere
Radiator Heavier duty

DIMENSIONS AND WEIGHTS

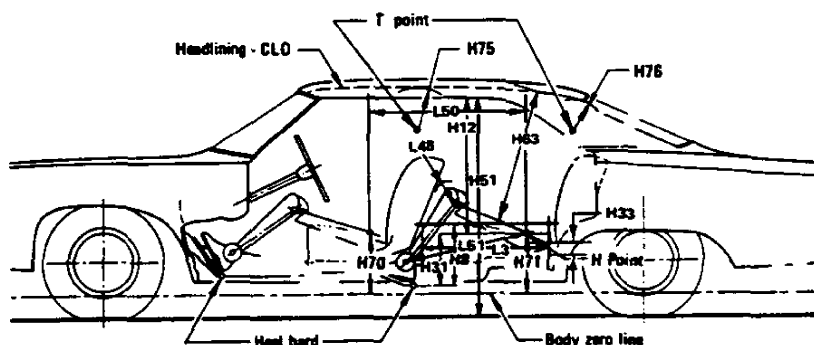
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INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	SPORT COUPE
H-3	Seat cushion height	282 (11.1 in.)
H11	Entrance height	773 (30.4 in.)
H13	Steering wheel thigh clearance	104 (4.1 in.)
H30	H point to heel point	228 (9.0 in.)
H32	Seat cushion deflection	80 (3.2 in.)
H50	Upper body opening to ground	1275 (50.2 in.)
H58	H point rise	25 (1.0 in.)
H61	Effective headroom	956 (37.6 in.)
H70	H point to body O line	175 (6.9 in.)
H75	Effective "T" point headroom	961 (37.8 in.)
W3	Shoulder room	1408 (55.4)
W5	Hip room	1311 (51.6 in.)
L7	Steering wheel torso clearance	340 (13.4 in.)
L17	H point travel	171 (6.7 in.)
L34	Effective leg room	1086 (42.8 in.)



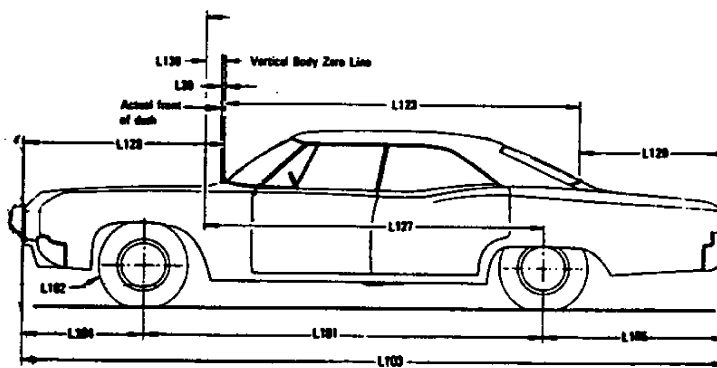
REAR COMPARTMENT

H8	Seat cushion height	340 (13.4 in.)
H31	H point to heel point	264 (10.4 in.)
H33	Seat cushion deflection	112 (4.4 in.)
H63	Effective headroom	961 (37.8 in.)
H71	H point to body O line	133 (5.2 in.)
H76	Effective "T" point headroom	957 (37.7 in.)
W4	Shoulder room	1419 (55.9 in.)
W6	Hip room	1394 (54.9 in.)
L3	Rear compartment room	682 (26.9 in.)
L50	H point couple distance	817 (32.2 in.)
L51	Effective leg room	923 (36.3 in.)

LUGGAGE COMPARTMENT

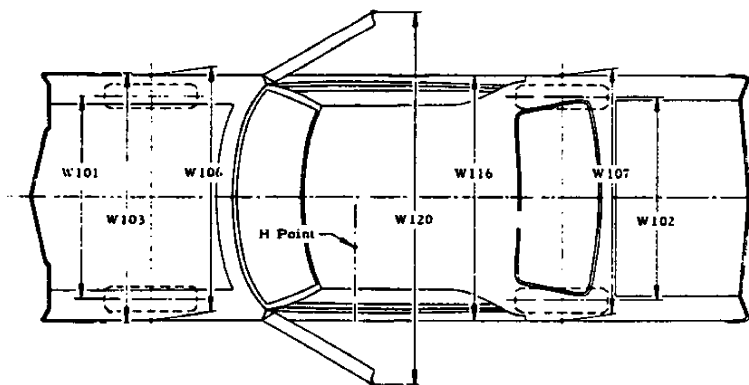
H195	Liftover height	751 (29.6 in.)
V1	Usable luggage capacity (cu.ft.)	456L (16.1 cu. ft.)

EXTERIOR DIMENSIONS



LENGTHS

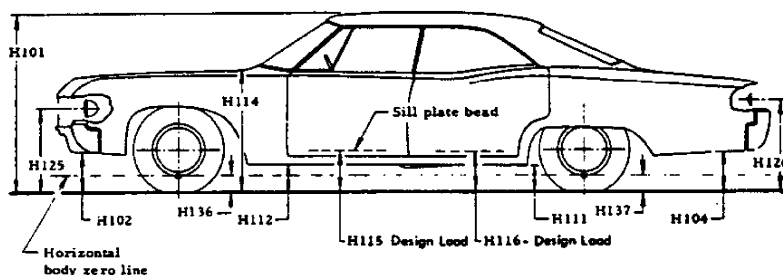
CODE	DESCRIPTION	SPORT COUPE
L101	Wheelbase	2745 (108.1 in.)
L102	Tire size (standard)	P205/70R-14
L103	Overall length	5090 (200.4 in.)
L104	Overhang front	1077 (42.4 in.)
L105	Overhang, rear	1268 (49.9 in.)
-	Overall length - less bumpers	4826 (190.0 in.)
L123	Body upper structure length at car center line	2303 (90.7 in.)
L127	Body O line to C/L of rear wheels	2377 (93.6 in.)
L126	Front end length at center line	1511 (59.5 in.)
L129	Rear end length at centerline	1012 (39.8 in.)
L130	Body zero plane to windshield cowl point	158 (6.2 in.)
L30	Body O line to actual front of dash	- 52 (- 2.1 in.)



WIDTHS

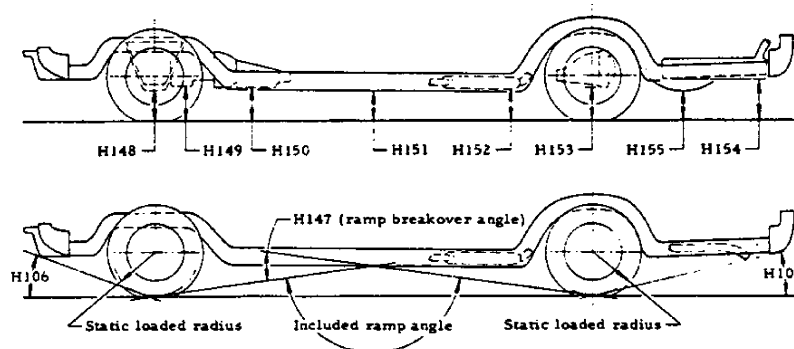
W101	Tread - front	1486 (58.5 in.)
W102	Tread - rear	1467 (57.8 in.)
W103	Maximum overall width of car	1816 (71.5 in.)
W106	Front fender overall width	1816 (71.5 in.)
W107	Rear fender overall width	1816 (71.5 in.)
W116	Maximum overall width of body	1816 (71.5 in.)
W120	Overall car width, front doors open	3990 (157.1 in.)

EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	SPORT COUPE
H101	Overall height (design)	1370 (53.9 in.)
H102	Front bumper to ground	354 (13.9 in.)
H104	Rear bumper to ground	314 (12.4 in.)
H111	Rocker panel to ground - rear	211 (8.3 in.)
H112	Rocker panel to ground - front	219 (8.6 in.)
H114	Hood at rear to ground	979 (38.5 in.)
H115	Step height - front (design)	
H116	Step height - rear (design)	
H125	Headlamp to ground	659 (25.9 in.)
H126	Tail lamp to ground	606 (23.9 in.)
H136	Body O line to ground - front	327 (12.9 in.)
H137	Body O line to ground - rear	317 (12.5 in.)



CLEARANCES

H106	Angle of approach (degrees)	18° 17'
H107	Angle of departure (degrees)	14° 04'
H147	Ramp breakover angle (degrees)	13° 29'
H148	Front suspension to ground	158 (6.2 in.)
H149	Oil pan to ground	165 (6.5 in.)
H150	Flywheel housing to ground	172 (6.8 in.)
H151	Frame to ground	166 (6.5 in.)
H152	Exhaust system to ground	182 (7.2 in.)
H153	Rear axle to ground	149 (5.9 in.)
H154	Fuel tank to ground	202 (7.9 in.)
H155	Tire well to ground	---
H156	Minimum ground clearance	122 (4.8 in.) (a)

(a) Rear shock absorber.

VEHICLE WEIGHTS

MODEL TYPE			SHIPPING WEIGHT			CURB WEIGHT		
MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	Front	Rear	Total	Front	Rear	Total
1AZ37	3.8L (231 CID) V6 LDS	2-Door Sport Coupe	791 kg. (1744 lb.)	597 kg. (1316 lb.)	1388 kg. (3060 lb.)	799 kg. (1761 lb.)	631 kg. (1391 lb.)	1430 kg. (3151 lb.)

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

CURB WEIGHT: Shipping weight plus gasoline to capacity.

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

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT METRIC (kg) – ENGLISH
AU3	Electric Door Locks		0.9 (2 lb.)
A31	Power Windows		3.7 (8 lb.)
A42	Power Seat		8.2 (18 lb.)
B37	Front and Rear Floor Mats		3.17 (7 lb.)
CA1	Electric – Sun Roof		18.6 (41 lb.)
C09	Vinyl Roof Cover		1.82 (4 lb.)
C60	Air Conditioning		24.9 (55 lb.)
D55	Console	Used with Automatic Transmission	6.8 (15 lb.)
		Used with 3 & 4-Speed Trans.	2.72 (6 lb.)
Z03	Landau Equipment		
UA1	Battery Heavy Duty		2.72 (6 lb.)
U63	Radio AM Pushbutton		3.17 (7 lb.)
U69	Radio AM/FM Pushbutton		4.08 (9 lb.)
U58	Radio AM/FM Stereo		6.8 (15 lb.)
UM1	Radio AM Pushbutton & Tape		7.7 (17 lb.)
UM2	Radio AM/FM Pushbutton & Tape		8.2 (18 lb.)
V01	Radiator, Heavy Duty		2.27 (5 lb.)
Z17	Spec. Whl. Hub Cap & Tr. Rg.		3.7 (8 lb.)
LD5	3.8 Litre (231 CID) V6 Engine	4-Speed Transmission	14.5 (–32 lb.)
		3-Speed Automatic	13.2 (+ 29 lb.)
LG3	5.0 Litre (305 CID) V8 Engine	4-Speed Transmission	14.5 (–32 lb.)
		3-Speed Automatic	1.36 (– 3 lb.)

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BODY

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EXTERIOR PAINT PROCESS

1. **RUSTPROOFING.** Assembled car bodies are chemically sprayed to clean and etch the metal surfaces for corrosion resistance and paint adhesion. Unassembled sheet metal parts follow the same process.
2. **BODY AND SHEET METAL PRIMERS.** Four corrosion resistant primers, specially formulated, are hand sprayed on the body in areas where rust might develop. Lower areas considered especially vulnerable are coated with another rust inhibiting compound.
3. **PRIMER COAT** is applied to all outside and inside surfaces of front fenders and hoods. The parts are mechanically dipped or flow-coated to insure coating in all seams and secluded areas, and baked at 390 degrees F. for 30 minutes. A coat of sealer is then applied by hand spray to all surfaces requiring another coat of lacquer.
4. **FLASH PRIMER AND PRIMER-SURFACER COATS.** An air-dry flash primer coat is hand sprayed on surfaces below the body belt line. Then a gray primer-surfacer coat is hand sprayed on all outside surfaces of the body and oven baked for 45 minutes at 285 degrees F.
5. **INITIAL SANDING.** Power wet sanding, followed by hand sanding, is done on all body surfaces requiring lacquering. This insures a smooth surface for the lacquer finish. To remove the water, the body is wiped and run through an infra-red oven.
6. **LACQUERING.** Three coats of acrylic lacquer are spread on the exterior surfaces of the body and sheet metal parts to build up a finish of the required thickness for each color.
7. **INITIAL BAKING.** To harden the paint for final sanding, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.
8. **FINAL SANDING.** To remove body surface defects, power and hand sanding is done with fine grit sandpaper and mineral spirits as a wetting agent. Sanded areas are wiped to insure a clean surface before final baking.
9. **FINAL BAKING.** To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 275 degrees F. Reheating the lacquer after final sanding permits paint film to soften, allowing surface blemishes and sanding scratches to disappear during the thermo-reflow process.
10. **UNDERCOATING.** To block out road noise, an asbestos fiber sound deadener with asphalt base is sprayed inside the wheel housings and on the bottom of the underbody at designated areas.
11. **PAINT REPAIR AND PROTECTION.** Mars, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "slush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

EXTERIOR-INTERIOR COLORS

1978 MONTE CARLO 'SPECIAL A' INTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM											
		Black	Light Blue		Dark Green	Camel Tan		Carmine		White			
		(19X)	(24X)	(24X)	(44X)	(62X)	(62X)	(74X)	(74X)	(19X)	(24X)	(74X)	(44X)
		Cloth	Vinyl	Cloth	Cloth	Cloth	Vinyl	Cloth	Vinyl	Vinyl /Black	Vinyl /Blue	Vinyl /Carmine	Vinyl /Green
Monte Carlo - 1AZ00	(A52) Bench	19G	24W	24G	44G	62G	62W	74G	74W	11W	11W	11W	11W
Specialty Coupe (37) *	(A51) Bucket		24W				62W		74W	11W	11W	11W	11W
Monte Carlo Luxury Specialty Coupe (37) *	(AM6) 55-45			24H		62H	62Y	74H	74Y	11Y	11Y	11Y	11Y

CLOTH AND VINYL USAGE

W & Y - Wallaby vinyl

G - Dillon, 70S WC, woven cloth

H - Madeira, 819 WC, velour cloth, Dillon side facings

* The 1AZ37 requires a Big Four Option Number in addition to the trim combination number. The Big Four Module consists of the instrument panel, carpet, cowl kick panel, and package shelf. Module numbers are shown in parenthesis at the top of each column. Examples: Black-19G + 24X, White with Carmine Big Four-11Y + 74X.

EXTERIOR-INTERIOR COLORS

EXTERIOR COLORS – VINYL ROOF COMBINATIONS

VINYL TOP COVER (Material - Levant Grain)	EXTERIOR COLOR AVAILABILITY
Silver Metallic	Silver 15
	Black 19
	Carminc (Met.) 77
Black	All available colors, all exc. 69
White	All available colors
Light Blue Metallic	White 11
	Black 19
	Light, Blue 21
	Light Blue Metallic 22
	Dark Blue Metallic 29
Light Camel	White 11
	Black 19
	Camel, Light 61
	Camel, (Met.) 63
	Saffron (Met.) 67
	Camel, Dark (Met.) 69
Carminc, Dark (Met.)	Carminc (Met.) 77
	Carminc, Dark (Met.) 79
Light Green (Met.)	White 11
	Black 19
	Light Green (Met.) 44
	Medium Green (Met.) 45

* Monte Carlo Landau uses ELK Grain

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Type Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Doors, front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner plastic fender skirts. Side guard door beams. Air gap design windshield pillar molding. Contoured windshield header. Cargo guard luggage barrier. Double panel roof. Open channel rocker panels.

DOORS AND LOCKS

Door construction Double steel panels, hinged at front
 Door handles Lift bar with fork type door locks. Inside push-button locks and 2-position free-wheeling inside door handles on all doors.
 Front door glass Full window

HOOD AND TRUNK LID

Type Counterbalanced, with spring loaded toggle action hinges on rear of hood and boxed hinges on trunk lid with torsion rod. Two hood stop ins mounted on cowl.
 Hood Release Internal, to left of steering column under instrument panel.

VENTILATION

Dual-mode, modular chamber system. Blower fan circulates upper air through instrument panel outlets. Lower air circulation provided at highway speeds through outlets under instrument panel.

SEAT CONSTRUCTION

Type
 All seat cushions and backrests . . . Formed polyfoam

WINDSHIELD WIPERS

Type Concealed dual 2-speed electric
 Linkage Parallel acting

HEADLIGHTS

Type Single-rectangular "Power Beam" units

SPARE TIRE AND TOOLS

Location Compact spare mounted upright in well at R.H. quarter of trunk floor. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored at side of spare tire.

BODY GLASS VISIBILITY AREA

Windshield	8082 (1252.7 in. ²)
Front Door Window	7487 (1160.5 in. ²)
Rear Quarter Window	2425 (375.9 in. ²)
Rear Window	4660 (722.3 in. ²)
Total Area (Sq. In.)	22654 (3511.4 in. ²)

All window glass curved safety solid plate except curved laminated safety windshield.

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FRAME AND FRONT SUSPENSION

FRAME

Description Full perimeter frame with sigma section side rails, boxed section members forward and rearward of side rails, welded front and rear suspension crossmembers with transmission support of tubular construction.

Body Mountings Integral body mounting provisions, 7 each side of frame - 10 double cushions, 4 single cushions.

FRONT SUSPENSION

Description Independent, SLA type with coil springs and concentric shock absorbers, and spherically jointed steering knuckles for each wheel.

Wheel travel (design) - mm (in.)

Total 182 (7.16)

Jounce 90 (3.54)

Rebound 92 (3.62)

Wheel to spring, travel ratio 2.09:1

CONTROL ARMS

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

STEERING KNUCKLES

Description Nodular iron with integral steering arm

Spindle diameters - mm (in.)

Inner bearing 31.7271-31.7475 (1.25)

Outer bearing 19.0271-19.0475 (0.75)

Spindle thread size UNEF-3A (modified)

Wheel bearing

Type Taper roller

Number Two per spindle

SPHERICAL JOINTS

Type Ball studs, upper self-adjusting for wear
Bearing surfaces

Upper Teflon-coated composite on phenolic

Lower Sintered iron

SHOCK ABSORBERS

Type Direct, double-acting, hydraulic

Piston diameter 25 mm (1.00)

STABILIZER BAR

Type Link

Material HR steel

Diameter 29 mm (1.14 in.)

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) $+0.5 \pm 0.8$

Caster (degrees) $+3.0 \pm 1$

Toe (degrees) $.12 \pm .12$

Steering Axis Inclination $7.86^\circ @ 1^\circ$ camber

GENERAL SUSPENSION PROVISIONS

Car leveling Front stabilizer bar

Anti-dive control Angle of front upper control arm

Anti-squat control Rear suspension geometry

FRAME AND FRONT SUSPENSION

FRONT SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

FRONT SPRING SPECIFICATIONS

Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Heights			
									Free		Working	
		mm	in	mm	in		N/mm	lbs/in	mm	in	mm @ N	in @ lbs
460626	AAU	2953	116.3	15.6	.614	7.811	52.5	300	388.8	15.31	260 @ 6760	10.24 @ 1520
460627	AAW	2953	116.3	15.6	.614	7.811	52.5	300	393.9	15.51	260 @ 7030	10.24 @ 1580
460628	AAX	3064	120.6	15.8	.622	8.094	52.5	300	399.0	15.71	260 @ 7300	10.24 @ 1640
460629	AAV	3064	120.6	15.8	.622	8.094	52.5	300	404.2	15.91	260 @ 7570	10.24 @ 1700
460678	ADS	3151	124.0	16.0	.630	8.511	52.5	300	409.3	16.11	260 @ 7840	10.24 @ 1760
460679	ADT	3210	126.4	16.1	.634	8.661	52.5	300	414.5	16.32	260 @ 8110	10.24 @ 1820
460681	ADW	3134	123.4	16.4	.646	8.440	58.0	330	406.7	16.01	260 @ 8510	10.24 @ 1915
460683	ADY	3114	122.6	16.8	.661	8.362	64.0	365	400.3	15.76	260 @ 8980	10.24 @ 2020
460686	AFB	3112	122.5	17.2	.677	8.327	70.0	400	394.6	15.53	260 @ 9420	10.24 @ 2120

STEERING, DRIVELINE, WHEELS AND TIRES

STEERING

Wheel	
Type	Round with center shroud
Diameter - mm (in.)	381.0 (15)
Optional	Tilt; universally jointed steering shaft at base of steering wheel.
Column	Energy absorbing - mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions.
Gear - Manual (Standard)	
Application	V6 with non-A/C
Type	Semi-reversible, recirculating ball nut
Ratios	
Gear	24.0:1
Overall	28.0:1
Number turns, lock to lock	5.3
Gear - Power (Optional)	
Application	V6 with air conditioning and all V8 engines
Type	Integral, recirculating ball nut with hydraulic pressure provided from a vane type pump.
Ratios	
Gear	14.0:1
Overall	15.4:1
Number of turns, lock to lock	3.3
Linkage	Parallelogram, front of wheels
Turning Diameters - m (ft.)	
Outside front, wall to wall	12.2 (40.5)
Outside front, curb to curb	11.3 (37.2)

DRIVELINE

Type	Tubular, exposed
Number Used	One
Diameter (O.D.) - mm (in.)	63.5 (2.5)
Length (C/L of U joints) - mm (in.)	1331.5 (52.42)
Wall Thickness - mm (in.)	1.65 (0.065)
Universal Joints	
Type	Single cardan
Number used	Two
Bearings	Pre-pack, anti-friction

WHEELS, REGULAR PRODUCTION

Type	Short spoke spider
Size	14 x 6JJ
Offset	'0'
Attachment to Hub	
Type	5 hex nuts
Thread size	7/16-20 UNF 2-B
Bolt circle diameter	4.75

WHEELS, OPTIONAL

Type	Rally
Size	14 x 6JJ
Offset	'0'

WHEEL, SPARE (COMPACT TIRE)

Size	15 x 4
Offset	25 mm (1.0 in.)

TIRES, STANDARD EQUIPMENT

Type	Steel belted radial
Size	P205/70R-14
Sidewall	
Base	Blackwall
Optional	White stripe
Static Loaded Radius - mm (in.)	287.8 (11.3)
Loaded rev/km @ 72 km/hr	508
Loaded rev/mi @ 45 mph	818
Capacity @ 179 kPa (26 psi)	535 (1180)

SPARE TIRE

Base	Compact
Type	Bias ply
Size	T125/70D15

NOTE: Positraction rear axle uses space saver.

REAR AXLE AND SUSPENSION

REAR AXLE

Description Semi-floating axle shafts, housing consists of two welded tubes pressed and welded into crossbore of cast iron carrier. Carrier contains an overhung pinion hypoid drive and supported by two taper roller bearings.

Drive pinion vertical offset 38 mm (1.50)

Hypoid gear PD (See Power Train Section

Page 2 for application

Pinion bearing adjustment Shim

Lubricant

Type SAE GL-5

Viscosity 80W-90

Capacity 1.54 litres (3.25 pts.)

AXLE SHAFT

Type Forged and hardened steel with integral drive flange

Wheel bearings Single row cylindrical roller, one per wheel

Oil Seal Steel encased spring loaded synthetic rubber

RING AND PINION GEAR TOOTH COMBINATIONS

2.29 Ratio 17, 39

2.56:1 Ratio 41, 16

2.73 Ratio 15, 41

2.93 Ratio 14, 41

POSITRACTION DIFFERENTIAL (See Power Trains)

Type Two pinion with multiple disk clutch

REAR SUSPENSION

Description Link type; 2 upper and 2 lower control arms supporting rear axle. Drive and torque taken through control arms.

Wheel travel (design)

Total 220 mm (8.66)

Jounce 107 mm (4.21)

Rebound 113 mm (4.45)

Wheel to spring, travel ratio 0.98:1

SHOCK ABSORBERS

Type Direct, double-acting, hydraulic

Piston diameter 25 mm (1.00)

STABILIZER BAR

Type Link

Material HR steel

Diameter 20 mm (0.79)

REAR SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

REAR SPRING SPECIFICATIONS

Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Heights			
		mm	in	mm	in		N/mm	lbs/in	Free		Working	
									mm	in	mm @ N	in @ lbs
485710	SS	2690	105.9	13.23	.521	6.36	17.5	100	406.4	16.00	254 @ 2669	10.0 @ 600
485711	TT	2690	105.9	13.23	.521	6.36	17.5	100	419.1	16.50	254 @ 2891	10.0 @ 650
485712	TD	2825	111.2	13.44	.529	6.63	17.5	100	431.8	17.00	254 @ 3114	10.0 @ 700
485713	WR	2960	116.6	13.64	.537	6.90	17.5	100	444.5	17.50	254 @ 3336	10.0 @ 750

BRAKES

General	Application	Manual	V6 Engines with non-air conditioning
		Power	Optional; Required with V6 with air conditioning and V8 engines
	Type		Disc front and drum rear
	System		Dual circuit hydraulic system with warning light and self adjusting features - metering and proportioning valves provide balance between front and rear brakes
Front Brakes	Type		Disc - single piston floating caliper
	Material		Cast iron - vented
	Diameter and Width - mm (in.)		266.7 x 26.2 (10.5 x 1.03)
	Lining material		Compression molded asbestos composition
	Method of attachment		Riveted
	Lining size (length x width x thickness)	Inboard - mm (in.)	125 x 48.44 x 11.04 (4.92 x 1.91 x .435)
		Outboard - mm (in.)	125 x 48.44 x 11.04 (4.92 x 1.91 x .435)
	Lining area cm ² (in. ²)		242.4 (37.59)
	Effective area cm ² (in. ²)		204.4 (31.69)
	Swept area cm ² (in. ²)		1236.2 (191.68)
	Piston diameter - mm (in.)		63.5 (2.5)
Rear Brakes	Type		Finned drum - composite, web cast into rim
	Material		Web - HR steel; Rim - Cast alloy iron
	Diameter and Width - mm (in.)		241.3 x 50.8 (9.5 x 2.0)
	Lining material		Molded asbestos composition
	Method of attachment		Riveted
	Lining size (length x width x thickness)	Primary - mm (in.)	192.5 x 51.0 x 4.98 (7.58 x 2.0 x .196)
		Secondary - mm (in.)	249.6 x 51.0 x 6.75 (9.83 x 2.0 x .266)
	Lining area cm ² (in. ²)		449.2 (69.64)
	Effective area cm ² (in. ²)		411.09 (63.7)
	Swept area cm ² (in. ²)		748.77 (116.1)
	Piston diameter - mm (in.)		19.05 (0.75)
Apply System	Master cylinder diameter - mm (in.)	Manual	22 (0.87)
		Power	24 (0.94)
	Piston travel - mm (in.)	Manual	34.47 (1.36)
		Power	33.33 (1.31)
	Pedal travel - mm (in.)	Manual	206.9 (8.15)
		Power	134.4 (5.29)
	Pedal ratio	Manual	6.29:1
		Power	3.50:1
Parking Brake	Line pressure @ 100 lb. pedal load		700
	Type		Mechanical - Pull rods and cables operate rear service brakes; parking brake 'ON' warning light provided.
	Control		Pendulum foot pedal; released by "T" handle located on instrument panel left of steering wheel
	Total effective area - cm ² (in. ²)		411.09 (63.7)

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray lamp	1-1445	.7
Automatic transmission Quadrant	1-194	2
Backing lamps	2-1156	32
Brake warning - alarm	1-194	2
Courtesy - Instrument panel	2-631	6
Directional signal indicators	2-194	2
Dome	1-561	12
Dome & reading lamp	2-1004	15
Generator indicator	1-194	2
Glove compartment	1-1895	2
Headlamp	2-203	High beam 65W Low beam 55W
Headlamp hi-beam indicator	1-194	2
Heater or A/C controls	1-194	2
Instrument cluster	8-168	3
License plate, rear	2-194	2
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Parking		
Park	2-1157NA	2.2
Turn		24
Radio dial RPO U63 and/or U69	1-1893	2
Radio dial and indicator	1-216 (dial)	1 - dial
RPO U58	1-66 (indicator)	.1-indicator
Radio dial and indicator	1-DS410 (dial)	Led (a)
RPO UM1 and/or UM2	1-66 (indicator)	.1-indicator
Seat belt warning	1-194	2
Side Marker - Front	2-194	2
Side marker - Rear	2-194	2
Tail		
Tail	4-194	2
Stop and turn	4-1157	32
Temperature indicator	1-194	2
Underhood	1-93	15
W/S washer and light	1-194	2

(a) Light emitting diode.

FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel (h)
Back-up lamps	20 amp fuse	Fuse panel (b)
Brake indicator lamp	10 amp fuse	Fuse panel (c)
Cigarette lighter	20 amp fuse	Fuse panel (e)
Clock	20 amp fuse	Fuse panel (e)
Courtesy lamps	20 amp fuse	Fuse panel (e)
Defogging unit	10 amp fuse	Fuse panel (c)
Direction signal indicator lamps (Frt. & Rear)	20 amp fuse	Fuse panel (b)
Dome lamp	20 amp fuse	Fuse panel (e)
Fuel gage	10 amp fuse	Fuse panel (c)
Generator indicator lamp	25 amp fuse	Fuse panel (h)
Glove compartment lamp	20 amp fuse	Fuse panel (e)
Headlamps	Circuit breaker	Light switch
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	25 amp fuse	Fuse panel (h)
Heater controls lamp	4 amp fuse	Fuse panel (f)
Idle stop solenoid	10 amp fuse	Fuse panel (g)
Instrument cluster lamps	4 amp fuse	Fuse panel (f)
Key Buzzer	20 amp fuse	Fuse panel (e)
License plate lamp, rear	20 amp fuse	Fuse panel (d)
Luggage compartment lamp	20 amp fuse	Fuse panel (e)
Map lamp	10 amp fuse	Fuse panel (c)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (c)
Headlight buzzer	10 amp fuse	Fuse panel (c)
Parking lamps	20 amp fuse	Fuse panel (d)
Power seats	30 amp CB	Firewall
Power windows	30 amp CB	Firewall
Radio	10 amp fuse	Fuse panel (g)
Radio lamp	4 amp fuse	Fuse panel (f)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
Side Marker lamp - Front	20 amp fuse	Fuse panel (d)
Side Marker lamp - Rear	20 amp fuse	Fuse panel (d)
Speed cruise control	10 amp fuse	Fuse panel (c)
Stop and turn lamps	20 amp fuse	Fuse panel (a)
Tail lamps	20 amp fuse	Fuse panel (d)
Temperature indicator lamp	10 amp fuse	Fuse panel (c)
Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Underhood lamp	15 amp fuse	In line
Windshield washer light switch	4 amp fuse	Fuse panel (f)
Windshield wiper, two-speed	25 amp fuse	Fuse panel
Wiper system - pulse	10 amp fuse	Fuse panel (g)

* Letter suffix indicates same circuit

POWER TRAINS

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POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*		WITH ALT. RPO NA6	RING GEAR mm (in.)	I.W. CLASS Kg (lbs.)
			ALL STATES				
			BASE	OPTION			
3.8 Litre V6 (231 Cu. In.) (LD5) Base - All States	3-Speed Manual (3.50 low) (a)	Sport Coupe	2.93	-	-	191 (7.50)	1589 (3500)
	4-Speed Manual (3.50 low) (a)		2.93				
	3-Speed Automatic		2.56@				
5.0 Litre V8 (305 Cu. In.) (LG3) Optional - All States	3-Speed Automatic	Sport Coupe	2.29	2.73	2.56@	191 (7.50)	1589 (3500)
	4-Speed Manual (2.85 low) (a)		2.73	-	-		

(*) Positraction and Air Conditioning available with all axle ratios.

(a) Not available in California.

@ - 2.73 in California.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSION

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION					AXLE RATIO
			1st	2nd	3rd	4th	Rev.	
3.8 Litre (231 Cu. In.)	2-Barrel	3-Speed	10.26	5.54	2.93	-	10.61	2.93
		4-Speed	10.26	7.27	4.86	2.93	10.26	
5.0 Litre (305 Cu. In.)	2-Barrel	4-Speed	7.78	5.51	3.68	2.73	7.78	2.73

WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
3.8 Litre V6 (231 Cu. In.)	3-Speed Automatic	Drive	12.90:1 - 2.56:1	2.56:1
		Second	12.90:1 - 3.89:1	
		Low	12.90:1 - 6.45:1	
		Reverse	9.94:1 - 4.97:1	
5.0 Litre V8 (305 Cu. In.)	3-Speed Automatic	Drive	14.74:1 - 2.29:1	2.29:1
		Second	14.74:1 - 3.59:1	
		Low	14.74:1 - 6.27:1	
		Reverse	11.14:1 - 4.74:1	

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type			V6-OHV	V8-OHV
Piston Displacement	Litres		3.8	5.0
	Cu. In.		231	305
Availability			RPO LD5	RPO LG3
Number of Cylinders			Six	Eight
Bore and Stroke	Millimetres		96.5 x 86.4	101.6 x 88.4
	Inches		3.80 x 3.40	3.736 x 3.48
Compression Ratio			8.0:1	8.4:1
Taxable (SAE)	Kilowatts		25.8	33.3
	Horsepower		34.6	44.7
Firing Order			1-6-5-4-3-2	1-8-4-3-6-5-7-2
Idling Speed	Manual (in Neutral)		800	600
	Automatic (in Drive)		600	500
Compression Press. @		Kilopascals	965	1103
Cranking Speed, Engine Hot		Pounds/Sq. In.	140	160
Power Plant Mounting			Two front and one rear	
Measurements	Length (a)	Millimetres	688.3	801
		Inches	27.1	31.55
	Height (b)	Millimetres	736.6	752
		Inches	29.0	29.60
	Width (c)	Millimetres		725
		Inches		28.53

ADVERTISED ENGINE RATING

Engine Designation			3.8 Litre V6 (231 Cu. In.)	5.0 Litre V8 (305 Cu. In.)
Availability			RPO LD5	RPO LG3
Carburetor			2-Barrel	
Net Brake @ RPM	Federal	Kilowatts	78 @ 3800	108 @ 3800
		Horsepower	105 @ 3400	145 @ 3800
	California	Kilowatts	78 @ 3800	101 @ 3800
		Horsepower	105 @ 3400	135 @ 3800
Net Torque @ RPM	Federal	Newton/Metre	244 @ 2000	332 @ 2400
		Pound/Foot	185 @ 2000	245 @ 2400
	California	Newton/Metre	244 @ 2000	325 @ 2000
		Pound/Foot	185 @ 2000	240 @ 2000

- (a) Fan clutch to rear of engine block.
 (b) Top of air cleaner to bottom of oil pan.
 (c) Exhaust manifold to air cleaner snorkel.

ENGINE SPEED AND PISTON TRAVEL

3.8 LITRE V6 ENGINE (RPO LD5)

Transmission			3-Speed	4-Speed	3-Speed Automatic
Rear Axle Ratio			2.93:1	2.93:1	2.56:1
Tire Size			P205/70R-14		
Crankshaft Revolutions per	Kilometre		1450.4		1267.2
	Mile		2335.2		2040.3
Crankshaft RPM @ 1 Kilometre/Hour and 1 Mile per Hour	Low	km/h	52.5	52.5	33.0
		mph	136.2	136.2	85.7
	Second	km/h	27.2	37.2	19.9
		mph	70.4	96.5	51.7
	Third	km/h	15.0	24.9	13.1
		mph	38.9	64.6	34.0
	Fourth	km/h	—	15.0	—
		mph	—	38.9	—
	Reverse	km/h	54.3	52.5	25.4
		mph	140.8	136.2	66.0
Piston Travel	Millimetre/Kilometre		822.3		718.4
	Foot/Mile		1323.3		1156.2

5.0 LITRE V8 ENGINE (RPO LG3)

Transmission			4-Speed	3-Speed Automatic
Rear Axle Ratio			2.73:1	2.29:1
Tire Size			P205/70R-14	
Crankshaft Revolutions per	Kilometre		1351.4	1133.5
	Mile		2175.8	1825.1
Crankshaft RPM @ 1 Kilometre/Hour and 1 Mile per Hour	Low	km/h	39.9	32.1
		mph	103.5	83.3
	Second	km/h	28.3	18.4
		mph	73.3	47.7
	Third	km/h	18.9	11.7
		mph	49.0	30.4
	Fourth	km/h	14.0	—
		mph	36.3	—
	Reverse	km/h	39.9	23.6
		mph	103.5	62.9
Piston Travel	Millimetre/Kilometre		783.9	657.5
	Foot/Mile		1262.0	1058.6

VEHICLE PERFORMANCE FACTORS

Engine	3.8 Litre V6 231 Cu. In. 105 HP 78 kW	5.0 Litre V8 305 Cu. In. 145 HP 108 kW
Model	1AZ37	1AZ37

3-SPEED TRANSMISSION

Performance	Mass-Kilograms	1702
	Weight-Pounds	3752
Kilograms per Net Kilowatt	Federal	21.82
	California	21.82
Pounds per Net Horsepower	Federal	35.73
	California	35.73
Kilograms per Litre Displacement		447.9
Pounds per Cu. In. Displacement		16.24
Net kW/Litre Displacement	Federal	20.53
	California	20.53
Net HP/Cu. In. Displacement	Federal	.455
	California	.455
Power Displacement	Litre/kilometre	97.38
	Cu. Ft./Mile	156.08
Displacement Factor	Litre/tonne kilometre	51.91
	Cu. Ft./ton mile	83.20

4-SPEED TRANSMISSION

Performance	Mass Kilograms	1687	1748
	Weight-Pounds	3719	3854
Kilograms per Net Kilowatt	Federal	21.63	16.19
	California	21.63	17.31
Pounds per Net Horsepower	Federal	35.42	26.58
	California	35.42	28.55
Kilograms per Litre Displacement		443.9	349.6
Pounds per Cu. In. Displacement		16.10	12.64
Net kW/Litre Displacement	Federal	20.53	21.60
	California	20.53	20.20
Net HP/Cu. In. Displacement	Federal	.455	.475
	California	.455	.443
Power Displacement	Litre/kilometre	97.38	119.4
	Cu. Ft./mile	156.08	192.0
Displacement Factor	Litre/tonne kilometre	52.35	61.96
	Cu. Ft./ton mile	83.94	99.64

3-SPEED AUTOMATIC TRANSMISSION

Performance	Mass-Kilograms	1730	1791
	Weight-Pounds	3814	3948
Kilograms per Net Kilowatt	Federal	22.18	16.58
	California	22.18	17.73
Pounds per Net Horsepower	Federal	36.32	27.23
	California	36.32	29.24
Kilograms per Litre Displacement		455.3	358.2
Pounds per Cu. In. Displacement		16.51	12.94
Net kW/Litre Displacement	Federal	20.53	21.6
	California	20.53	20.2
Net HP/Cu. In. Displacement	Federal	.455	.475
	California	.455	.443
Power Displacement	Litre/kilometre	85.08	100.1
	Cu. Ft./mile	136.4	161.1
Displacement Factor	Litre/tonne kilometre	44.61	50.69
	Cu. Ft./ton mile	71.53	81.61

GLOSSARY (English equivalent is bracketed)

Performance Weight (Mass)	Curb Weight (Mass) plus average weight of four passengers - 272.2 kg (600 lbs.)
Power Displacement	$\frac{\text{Crankshaft Revs/km (Revs/Mi)} \times \text{Piston Displacement}}{2 \times 28.3 \text{ Cu. Litres (2} \times 1728 \text{ cu. in.)}}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Weight (tons) Mass (tonne)}}$

PRINCIPAL COMPONENTS

CYLINDER BLOCK

Material	Cast alloy iron
Bore diameter - mm (in.)	
3.8 Litre V6	3.800
5.0 Litre V8	94.882-94.958 (3.7355-3.7385)
Number of Bulkheads	
3.8 Litre V6	4
5.0 Litre V8	5
Water Jacket	Full length around each cylinder
Bearing Caps (Number, material and attachment)	
3.8 Litre V6	4, cast iron, 2-bolt
5.0 Litre V8	5, cast iron, 2-bolt
Bore Spacing (Q to Q)	
3.8 Litre V6	107.7 mm (4.24)
5.0 Litre V8	111.8 mm (4.40)

CYLINDER HEAD

Material	Cast iron
Bolt No. & Size	
3.8 Litre V6	16;11 mm (.4375) dia. 14 threads/25 mm (1")
5.0 Litre V8	34;11.112 mm (.4375); 14 threads/25 mm (1")

COMBUSTION CHAMBER VOLUME

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

3.8 Litre V6	
5.0 Litre V8	84.1 cm ³ (5.13)

INLET MANIFOLD

Material	Cast iron
Type	
3.8 Litre V6	6 port, single deck
5.0 Litre V8	8 port, double deck

EXHAUST MANIFOLD

Material	Cast iron
Type	
3.8 Litre V6	Dual, 3 port rear takedown
5.0 Litre V8	Dual, 4 port rear takedown
Outlet Diameter (Nominal)	
3.8 Litre V6	44.5 (1.75)
5.0 Litre V8	50.8 mm (2)

CRANKSHAFT

Material	Cast nodular iron
End Play - mm (in.)	
3.8 Litre V6	0.08-0.23 (.003-.009)
5.0 Litre V8	0.05-0.18 (.002-.007)
Counterweights	
3.8 Litre V6	6
5.0 Litre V8	6
Crank Arm Length - mm (in.)	
3.8 Litre V6	49.8 (1.96)
5.0 Litre V8	44.2 (1.74)
Torsional Damper	Rubber mounted inertia
Timing Gear	Sintered iron; sprocket & chain
Pulley Pitch Diameter - mm (in.)	
3.8 Litre V6	168.6 (6.64)
5.0 Litre V8	168.6 (6.64)

MAIN BEARINGS

Type	Precision, removable
Material	
3.8 Litre V6	No. 1 upper - M400 Conecc; No. 1 lower - M100 Conecc; No. 2 and No. 4 M100; No. 3 - M400
5.0 Litre V8	No. 1 - G66 Conecc; No. 2-4 - M400; No. 5 upper - M100; No. 5 lower w/man. trans. - M100; No. 5 lower w/auto. trans. - M400
Thrust Against Bearing	
3.8 Litre V6	No. 2
5.0 Litre V8	No. 5
Clearance - mm (in.)	
3.8 Litre V6	.010-.038 (.0004-.0015)
5.0 Litre V8	
No. 1	.020-.051 (.0008-.0020)
No. 2-4	.028-.058 (.0011-.0023)
No. 5	.043-.084 (.0017-.0033)

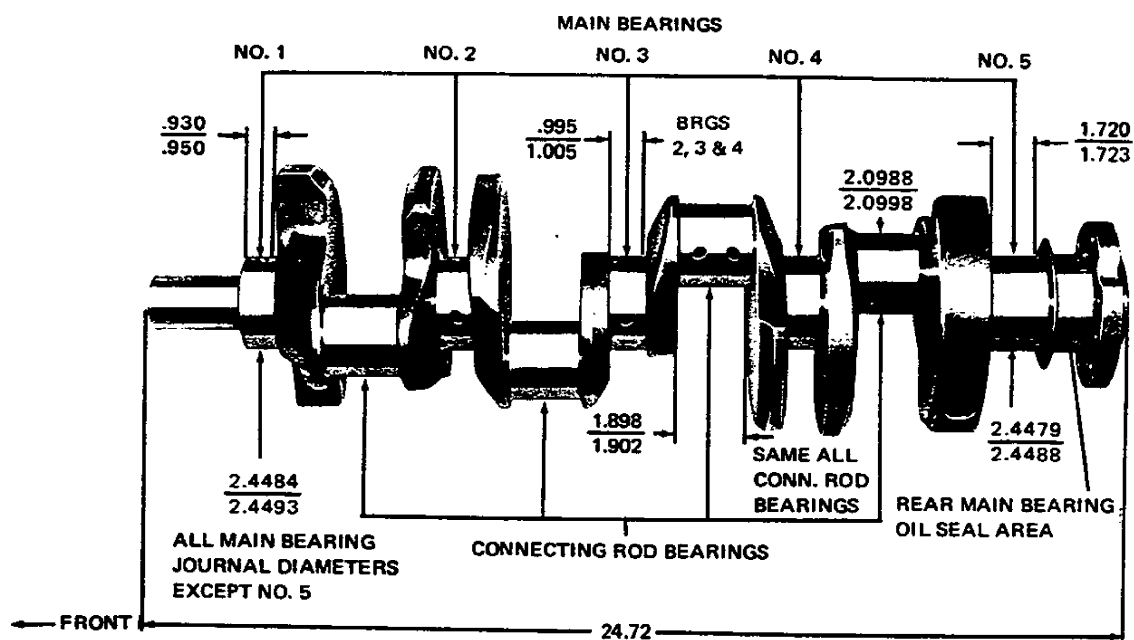
3.8 Litre V6		Theoretical	Effective	Projected
No. 1, 3, 4		Inner Dia.	Length	Area
Millimetres	63.487	21.95	13.93 cm ²	
Inches	2.4995	.864	2.160 in. ²	
No. 2				
Millimetres	63.487	26.85	17.04 cm ²	
Inches	2.4995	1.057	2.642 in. ²	

5.0 Litre V8

No. 1-4				
Millimetres	62.285	19.10	11.89 cm ²	
Inches	2.4502	.752	1.843 in. ²	
No. 5				
Millimetres	62.250	29.97	18.66 cm ²	
Inches	2.4508	1.180	2.892 in. ²	

5.0 LITRE V-8 ENGINE

CRANKSHAFTS AND BEARINGS



PRINCIPAL COMPONENTS

CAMSHAFT

Material Cast alloy iron
Drive Sprocket & chain; aluminum nylon

Lobe Lift	Inlet	Exhaust
3.8 Litre V6		
Millimetres	6.368	6.104
Inches	.2507	.2403
5.0 Litre V8		
Millimetres	6.309	6.942
Inches	.2484	.2733

Bearings Steel backed babbitt

VALVE TRAIN

Type Individually mounted, overhead
rocker arms, push rod actuated

Lifters Hydraulic
Push Rods

Type Hollow steel
Ends Hardened
Diameter - mm (in.) 7.9 (.3125)
Length - mm (in.)
3.8 Litre V6 220.9 (8.697)
5.0 Litre V8 196.2 (7.724)

Rocker Arms

Material Stamped steel
Ratio

3.8 Litre V6 1.55:1
5.0 Litre V8 1.50:1

Rotators

3.8 Litre V6 None
5.0 Litre V8 Exhaust

VALVE SPRINGS

Diameter (I.D.) - mm (in.)

3.8 Litre V6 22.15-22.56 (.872-.888)

5.0 Litre V8 22.05-22.45 (.868-.884)

Installed Length - kg @ mm (lb. @ in.)

Valves closed, inlet

3.8 Litre V6 262.5-306.9 @ 43.87

(59-69 @ 1.727)

5.0 Litre V8 341.088-376.992 @ 43.2

(76-84 @ 1.70)

Valves open, inlet

3.8 Litre V6 702.8-756.2 @ 34.04

(159-169 @ 1.34)

5.0 Litre V8 773.9-827.3 @ 31.7

(174-186 @ 1.25)

Valves closed, exhaust

3.8 Litre V6 262.5-306.9 @ 43.87

(59-69 @ 1.727)

5.0 Litre V8 341.088-376.99 @ 41.0

(76-84 @ 1.61)

Valves open, exhaust

3.8 Litre V6 774.0-845.2 @ 34.04

(174-190 @ 1.34)

5.0 Litre V8 818.4-871.8 @ 29.5

(184-196 @ 1.16)

Free Length - mm (in.)

3.8 Litre V6 51.6 (2.03)

5.0 Litre V8 51.6 (2.03)

Valve Spring Damper

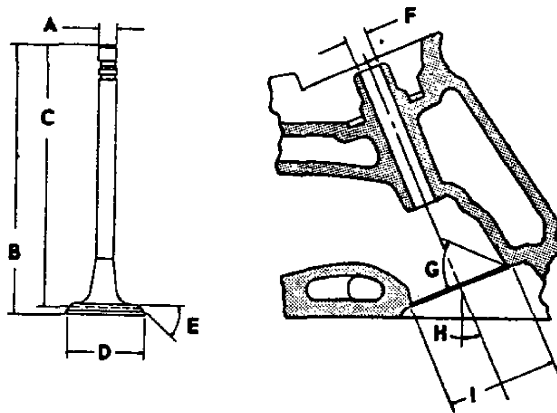
3.8 Litre V6 Exhaust

5.0 Litre V8 Exhaust and Inlet

PRINCIPAL COMPONENTS

VALVES - INLET

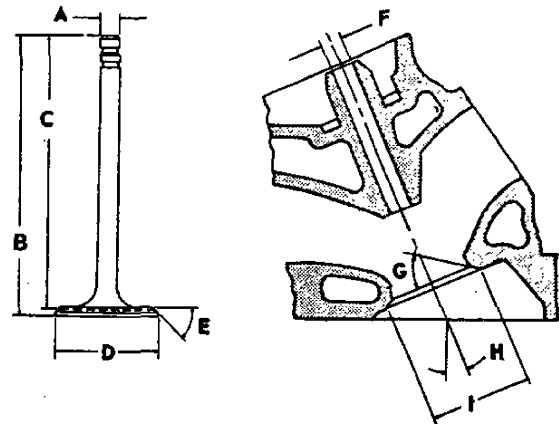
Material	Alloy steel
Coating	None
Stems	Chrome flash



A - Stem Diameter - mm (in.)	
3.8 Litre V6	8.649-8.666 (.3402-.3412)
5.0 Litre V8	8.661-8.679 (.3410-.3417)
B - Overall Length - mm (in.)	
3.8 Litre V6	118.36-119.13 (4.660-4.690)
5.0 Litre V8	124.51-125.02 (4.902-4.922)
C - Gage Length - mm (in.)	
3.8 Litre V6	116.21-116.59 (4.575-4.590)
5.0 Litre V8	121.54-121.79 (4.785-4.795)
D - Overall Head Dia. - mm (in.)	
3.8 Litre V6	41.3 (1.625)
5.0 Litre V8	43.56-43.82 (1.715-1.725)
E - Angle of Face (°)	45
F - Guide Diameter - mm (in.)	
3.8 Litre V6	8.306-8.730 (.3427-.3437)
5.0 Litre V8	8.306-8.730 (.3427-.3437)
G - Angle of Seat (°)	
3.8 Litre V6	45
5.0 Litre V8	46
H - Valve Angle (°)	
3.8 Litre V6	23
5.0 Litre V8	23
I - Valve Seat Dia. - mm (in.)	
3.8 Litre V6	46.30-46.46 (1.823-1.829)
5.0 Litre V8	46.30-46.46 (1.823-1.829)

VALVES - EXHAUST

Material	High alloy steel
Coating	
3.8 Litre V6	Nickel plated face
5.0 Litre V8	Aluminized face
Stems	Chrome flash



A - Stem Diameter - mm (in.)	
3.8 Litre V6	8.649-8.666 (.3405-.3412)
5.0 Litre V8	8.661-8.679 (.3410-.3417)
B - Overall Length - mm (in.)	
3.8 Litre V6	118.95-119.71 (4.683-4.713)
5.0 Litre V8	124.79-125.30 (4.913-4.933)
C - Gage Length - mm (in.)	
3.8 Litre V6	116.21-116.59 (4.575-4.590)
5.0 Litre V8	121.44-121.69 (4.781-4.791)
D - Overall Head Dia. - mm (in.)	
3.8 Litre V6	36.2 (1.425)
5.0 Litre V8	37.97-38.23 (1.495-1.505)
E - Angle of Face (°)	45
F - Guide Diameter - mm (in.)	
3.8 Litre V6	8.306-8.370 (.3427-.3437)
5.0 Litre V8	8.306-8.370 (.3427-.3437)
G - Angle of Seat (°)	
3.8 Litre V6	45
5.0 Litre V8	46
H - Valve Angle (°)	
3.8 Litre V6	23
5.0 Litre V8	23
I - Valve Seat Dia. - mm (in.)	
3.8 Litre V6	33.55-33.71 (1.321-1.327)
5.0 Litre V8	33.55-33.71 (1.321-1.327)

PRINCIPAL COMPONENTS

VALVE LIFT (@ Zero Lash) — mm (in.)

Intake	
3.8 Litre V6	9.73 (.383)
5.0 Litre V8	9.47 (.373)
Exhaust	
3.8 Litre V6	9.30 (.366)
5.0 Litre V8	10.4 (.410)

VALVE TIMING (Crankshaft degress — excluding ramps)

3.8 Litre V6	
Inlet Valve (Zero lash)	
Opens — °BTC	17
Closes — °ABC	73
Duration	270
Exhaust Valve (Zero lash)	
Opens — °BBC	68
Closes — °ATC	29
Duration	277
5.0 Litre V8	
Inlet Valve (Zero lash)	
Opens — °BTC	28
Closes — °ABC	64
Duration	272
Exhaust Valve (Zero lash)	
Opens — °BBC	78
Closes — °ATC	30
Duration	288

PISTONS

Material	
3.8 Litre V6	Cast aluminum
5.0 Litre V8	Cast autothermic
Head Type	
3.8 Litre V6	Dished
5.0 Litre V8	Sump
Skirt Type	
3.8 Litre V6	Full
5.0 Litre V8	Slipper

PISTONS — (Continued)

Top Land Clearance — mm (in.)	
3.8 Litre V6	1.17-1.42 (.046-.056)
5.0 Litre V8	.622-.851 (.0245-.0335)
Skirt Clearance — mm (in.)	
3.8 Litre V6	.030-.090 (.0013-.0035)
5.0 Litre V8	.043-.107 (.0017-.0042)
Compression Ring Groove Depth — mm (in.)	
3.8 Litre V6
5.0 Litre V8	5.088-5.265 (.2003-.2073)
Oil Ring Groove Depth — mm (in.)	
3.8 Litre V6
5.0 Litre V8	5.342-5.570 (.2103-.2193)
Pin Bore Offset — mm (in.)	
3.8 Litre V6	1.02 (.040)
5.0 Litre V8	1.52 (.060)
Compression Height — mm (in.)	
3.8 Litre V6
5.0 Litre V8	39.06-39.67 (1.538-1.562)

PISTON PINS

Material	
3.8 Litre V6	SAG 1018
5.0 Litre V8	Chromium steel
Length — mm (in.)	
3.8 Litre V6	73.66 (2.90)
5.0 Litre V8	75.95-76.45 (2.990-3.010)
Diameter	
3.8 Litre V6	23.853-23.860 (.9391-.9394)
5.0 Litre V8	23.546-23.553 (.9270-.9273)
Clearance in Piston	
3.8 Litre V6	.0190-.0317 (.00075-.00125)
5.0 Litre V8	.0063-.0088 (.00025-.00035)
Pin Mounting	
3.8 Litre V6	Pressed in rod
5.0 Litre V8	Locked in rod by shrink fit

COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Radius
3.8 Litre V6	Barrel
5.0 Litre V8	Radius
Coating	
3.8 Litre V6	Molybdenum
5.0 Litre V8	Chrome flash
Width - mm (in.)	
3.8 Litre V6	1.96-1.98 (.077-.078)
5.0 Litre V8	1.956-1.981 (.0770-.0780)
Wall Thickness - mm (in.)	
3.8 Litre V6	4.27-4.52 (.168-.178)
5.0 Litre V8	4.242-4.496 (.167-.177)
Gap - mm (in.)	
3.8 Litre V6	0.33-0.58 (.013-.023)
5.0 Litre V8	0.25-0.51 (.010-.020)

COMPRESSION RINGS - LOWER

Material	Cast alloy iron
Type	
3.8 Litre V6	Inside bevel
5.0 Litre V8	Reverse twist
Face	Tapered
Coating	Lubrited
Width - mm (in.)	
3.8 Litre V6	1.96-1.98 (.077-.078)
5.0 Litre V8	1.956-1.968 (.0770-.0775)
Wall Thickness - mm (in.)	
3.8 Litre V6	4.27-4.52 (.168-.178)
5.0 Litre V8	4.24-4.50 (.167-.177)
Gap - mm (in.)	
3.8 Litre V6	0.33-0.58 (.013-.023)
5.0 Litre V8	0.25-0.63 (.010-.025)

OIL CONTROL RINGS

Type	Multi-piece (Two rails and one spacer)
Material	
Rails	Steel
Spacer	Stainless steel
Width (assembled) - mm (in.)	
3.8 Litre V6	3.43-3.61 (.135-.142)
5.0 Litre V8	4.722-4.773 (.1859-.1879)
Wall Thickness - mm (in.)	
3.8 Litre V6	3.76-3.86 (.148-.152)
5.0 Litre V8	3.51-3.63 (.138-.143)
Gap - mm (in.)	
3.8 Litre V6	0.38-0.89 (.015-.035)
5.0 Litre V8	0.25-0.89 (.010-.035)
Rail Coatings	Chrome plated

CONNECTING RODS

Material	
3.8 Litre V6	Pearlitic malleable iron
5.0 Litre V8	Drop forged steel
Length (center to center) - mm (in.)	
3.8 Litre V6	151.4 (5.96)
5.0 Litre V8	144.65-144.91 (5.695-5.705)

CONNECTING ROD BEARINGS

Material	Premium aluminum
Type	Precision removable
Clearance - mm (in.)	
3.8 Litre V6	0.010-0.070 (.0005-.0026)
5.0 Litre V8	0.033-0.089 (.0013-.0035)
Theoretical I.D. - mm (in.)	
3.8 Litre V6	
5.0 Litre V8	53.370 (2.1012)
Effective Length - mm (in.)	
3.8 Litre V6	16.61 (.654)
5.0 Litre V8	20.24 (.797)
End Play - mm (in.)	
3.8 Litre V6	0.15-0.58 (.006-.023)
5.0 Litre V8	0.15-0.41 (.006-.016)

FUEL SYSTEM

FUEL TANK

Capacity	66.2 litres (17.5 gal.)
Fuel Tank Location	Under floor
Filler Location	Behind hinged rear license plate

FUEL FILTERS, DUAL

In Fuel Tank	Fine mesh plastic strainer
In Carburetor Inlet	Paper filter element

FUEL PUMP ASSEMBLY

Type	Mechanical, diaphragm
Drive	Camshaft, eccentric
Location	
3.8 Litre V6	Left side front of engine
5.0 Litre V8	Right side front of engine
Pressure Range (shut off pressure @ 1800 RPM)	
3.8 Litre V6	29.3-39.6 kPa (4.25-5.75 psi)
5.0 Litre V8	51.7-62.7 kPa (7.50-9.00 psi)

AIR CLEANER

Type	
3.8 Litre V6	Ducted air closed paper element, single snorkel
5.0 Litre V8	Ducted air, closed paper element, thermac, single snorkel, steel
Diameter - mm (in.)	
3.8 Litre V6	374.7 (14.75)
5.0 Litre V8	374.7 (14.75)

CARBURETORS

Type	2-barrel
SAE Flange Size - mm (in.)	
3.8 Litre V6	38.1 (1.50)
5.0 Litre V8	38.1 (1.50)
Throttle Bore - mm (in.)	
3.8 Litre V6	36.5 (1.4375)
5.0 Litre V8	42.9 (1.69)
Secondary Throttle Actuation	By linkage, approximately when primary valves are opened halfway between closed and open
Venturi Diameter - mm (in.)	
3.8 Litre V6	27.8 (1.093)
5.0 Litre V8	30.2 (1.1875)

CHOKE

Type	
3.8 Litre V6	Electric
5.0 Litre V8	Integral hot air

TYPE Single exhaust and
converter with crossover pipes

MUFFLERS

Type Oval, reverse flow
Construction Heads and body joined by
rolled lock seam
Head 1.22 (.048) aluminized sheet steel
Shell 0.79 (.031) aluminized sheet steel
Cover 0.31 (.015) aluminized sheet steel
Body - mm (in.)
Length
3.8 Litre V6 508.0 (20.0)
5.0 Litre V8 558.0 (22.0)
Width 235.0 (9.25)
Height 127.0 (5.0)

EXHAUST CROSSOVER PIPE TO CONVERTER

Dimensions (O.D.) & Wall Thickness - mm (in.)

Crossover pipe
3.8 Litre V6 . . . 50.8 x 1.80 (2.0 x .071) laminated
5.0 Litre V8 . . . 50.8 x 1.02 (2.0 x .040) laminated
Exhaust pipe to converter 57.15 x 1.80
(2.25 x .071)

EXHAUST PIPE - CONVERTER TO MUFFLER

Dimensions (O.D.) & Wall Thickness - mm (in.)
3.8 Litre V6 44.50 x 1.40 (1.75 x .055)
5.0 Litre V8 50.80 x 1.40 (2.00 x .055)

TAIL PIPES

Dimensions (O.D.) & Wall Thickness - mm (in.)
3.8 Litre V6 50.8 x 1.50 (2.00 x .060)
5.0 Litre V8 57.15 x 1.40 (2.25 x .055)

EMISSION CONTROL EQUIPMENT

SYSTEM APPLICATION

System Type	Engine Adaptation	
	V6-3.8L LD5	V8-5.0L LG3
PCV - Positive Crankshaft Ventilation	*	*
EGR - Exhaust Gas Recirculation	*	*
CHA - Carburetor Hot Air	*	*
MAI - Manifold Air Injection	**	** (a)
FEC - Fuel Evaporation Control	*	*
CCS - Controlled Combustion System	***	***
UFC - Underfloor Converter	*	*
EFE - Early Fuel Evaporation	*	*

* - Available - all states.

** - California only.

*** - 49 states below 1219M (4000 Ft.)

(a) Also 49 states above 1219M (4000 Ft.)

BASIC FUNCTION OF SYSTEMS

POSITIVE CRANKCASE VENTILATION

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

EXHAUST GAS RECIRCULATION SYSTEM

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

CARBURETOR HOT AIR

Meters and mixes heated air with incoming cold air to optimize fuel vaporization.

CONTROLLED COMBUSTION SYSTEM

Increased combustion efficiency through leaner carburetor mixtures and revised calibration. Special thermostatically controlled damper, in the air cleaner snorkel maintains warm air intake to the carburetor.

MANIFOLD AIR INJECTION

Compresses, regulates and distributes quantities of air to the manifold to more completely burn carbon monoxide and hydrocarbon emissions.

FUEL EVAPORATION CONTROL SYSTEM

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

UNDERFLOOR CONVERTER

The flow of exhaust gases down through the catalyst within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

EARLY FUEL EVAPORATION

System is designed to produce a very short engine warm-up cycle to improve vehicle durability and reduce exhaust emission.

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Cylinder Walls	
3.8 Litre V6	Splash
5.0 Litre V8	Pressure
Timing Gears	
3.8 Litre V6	Splash & nozzle
5.0 Litre V8	Centrifugally oiled from front camshaft bearing
Oil Pressure Sending Unit	
Type	Electric
Actuation	Opens or closes circuit @ 13.790-41.370 kPa (2-6 PSI)
Oil Filler	
Cap	Positive seal
Location	
3.8 Litre V6	Forward on left rocker cover
5.0 Litre V8	Rearward on left rocker cover

OIL PAN CAPACITIES

Refill	3.8 litres, 4.0 quarts
Refill with Filter Change - Litres (quarts)	
3.8 Litre V6	4.04 (4.25)
5.0 Litre V8	4.273 (4.50)

LUBRICANT GRADES AND TEMPERATURES

-6.6°C & Above (20°F and above)	20W-20, 10W-30, 10W-40, 20W-40, 20W-50
-17.7°C to +15.5°C (0° to 60°F)	10W, 5W-30, 10W-40, 10W-30
-6.6°C & below (20°F and below)	5W-20, 10W-30

OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs.
Oil Pressure - kPa (PSI)	
3.8 Litre V6	235 (34) @ 2400 RPM
5.0 Litre V8	310.3 (45) @ 2000 RPM
Intake Type	Fixed pickup with screen

OIL FILTER

Type	Full flow, throwaway canister
Location	
3.8 Litre V6	Right front side of engine
5.0 Litre V8	Left rear side of engine
Capacity - Litres (qts.)	
3.8 Litre V6	0.240 (0.25)
5.0 Litre V8	0.473 (0.50)
Bypass Valve	Opens between 62.1-75.8 kPa (9-11 PSI) drop in pressure

OIL DIPSTICK

Location	Left side, rear of engine block
----------	---------------------------------

OIL PAN DRAIN PLUG

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

COOLING SYSTEM

GENERAL

Type Pressure vented thru coolant recovering system

Capacity with Heater

3.8 Litre V6 14.8 litres (15.6 qts.)
5.0 Litre V8 18.1 litres (19.1 qts.)

RADIATOR

Make and Type Harrison, tube and center Core Constant

Distance between fins — mm (in.)

3.8 Litre V6

Manual Transmission

Base & A/C below 1219M 7.62 (.30)

Automatic Transmission

Base & A/C below 1219M 7.62 (.30)

Base above 1219M & Calif. 7.11 (.28)

A/C above 1219M & Calif. 4.57 (.18)

5.0 Litre V8

Manual Transmission

Base below 1219M 6.35 (.25)

A/C below 1219M 4.57 (.18)

Automatic Transmission

Base below 1219M 5.59 (.22)

Base above 1219M & Calif. 5.08 (.20)

A/C below 1219M 4.06 (.16)

A/C above 1219M & Calif. 3.56 (.14)

Core Thickness — mm (in.)

3.8 Litre V6

Base below 1219M 32.0 (1.26)

A/C & base above 1219M

& Calif. 31.5 (1.24)

5.0 Litre V8 31.5 (1.24)

Front Area — cm² (in.²) 2877 (446)

Overflow Separate coolant bottle

RADIATOR, HEAVY DUTY (RPO V01)

Core Constant

Distance between fins — mm (in.)

3.8 Litre V6

Manual Transmission 7.62 (.30)

Automatic Transmission

Below 1219M 5.59 (.22)

Above 1219M & Calif. 4.57 (.18)

5.0 Litre V8

Manual Transmission 4.57 (.18)

A/C below 1219M 3.56 (.14)

Automatic Transmission

Below 1219M 4.06 (.16)

Above 1219M & Calif. 3.56 (.14)

A/C below 1219M 4.57 (.18)

A/C above 1219M & Calif. 4.06 (.16)

Core Thickness — mm (in.)

3.8 Litre V6 31.5 (1.24)

5.0 Litre V8

Manual Transmission 31.5 (1.24)

Automatic Transmission 31.5 (1.24)

w/Air Conditioning 49.8 (1.96)

Front Area — cm² (in.²) 2877 (446)

Overflow Separate coolant bottle

RADIATOR CAP RELIEF VALVE

Opens at 103.4 kPa (15 PSI)

THERMOSTAT

Type Pellet

Begins to Open at 90.6°C (195°F)

Fully Opened at 108°C (227°F)

RADIATOR HOSE

Outlet, Lower (Radiator to

Water Pump) 38.1 (1.50)

Inlet, Upper (Thermostat Hsg.

to Radiator 38.1 (1.50)

FAN

Number of Blades Four

Blade Spacing

3.8 Litre V6 Cross blade

5.0 Litre V8 Staggered

Diameter 482.6 mm (19 in.)

BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used One

Angle of "V" 34-38°

Nominal Length

3.8 Litre V6 1104.9 mm (43.5 in.)

5.0 Litre V8 1130.3 mm (44.5 in.)

Width 9.65 mm (.380 in.)

WATER PUMP

Type Centrifugal

Capacity

3.8 Litre V6

5.0 Litre V8 21.6 GPM @ 2000 engine RPM

Bearing Permanently lubricated double row ball

Drive Fan belt

Ratio (pump to engine RPM) 0.949:1

DRAIN LOCATIONS AND TYPE

Engine Block

Type Plug

Location Right and left center

Radiator

Type Petcock

Location Lower right bottom

ELECTRICAL SYSTEM

SUPPLY SYSTEM

BATTERY

Type	Freedom
Voltage Rating and Watts	
3.8 Litre V6	12V, 2500W
5.0 Litre V8	12V, 3200W
Heavy Duty (RPO UA1)	12V, 3500W
Cold Cranking Rating @ 27°C	
3.8 Litre V6	60 minute reserve capacity
5.0 Litre V8	80 minute reserve capacity
Heavy Duty (RPO UA1)	100 minutes reserve capacity
Terminal Grounded	Negative
Location	Right side front of engine compartment

GENERATOR

Type	Diode rectified
Rating - Amperes	
3.8 Litre V6	42
5.0 Litre V8	37
Volts	12
Drive	By fan belt
Pulley Pitch Diameter	
3.8 Litre V6	2.81
5.0 Litre V8	2.43
Ratio (Gen. to engine speed)	
3.8 Litre V6	2.36:1
5.0 Litre V8	2.73:1

REGULATOR

Type	Micro circuit unit; integral with alternator
Voltage	
3.8 Litre V6	13.6-14.2 @ 85°F
5.0 Litre V8	13.8-14.8 @ 85°F

IGNITION SYSTEM

Type	High Energy Ignition (H.E.I.)
Distributors	Refer to chart below

COIL

Type	Integral with distributor
------	---------------------------

SPARK PLUGS

Type	
3.8 Litre V6	R46TSX
5.0 Litre V8	R45TS
Thread Size - mm (in.)	14 (.55)
Gap - mm (in.)	
3.8 Litre V6	1.52 (.060)
5.0 Litre V8	1.14 (.045)
Tightening Torque	33.9 N·m (25 lb. ft.)

CABLE

Type	Linen core impregnated with electrical conducting material and insulation of rubber with neoprene jacket
------	--

STARTING SYSTEM

STARTING MOTOR

Rotation (Drive End View)	Clockwise
Test Conditions	Engine at operating temp.
No load test	
Amps	
Volts	
RPM	
Motor Drive	
Engagement	Solenoid
Pinion Tooth No.	9
Flywheel Tooth No.	
3.8 Litre V6	160
5.0 Litre V8	168

DISTRIBUTORS	3.8 Litre V6 LD5		5.0 Litre V8 LG3	
	1110695	1110731	1103281	1103282
Type	High Energy Ignition			
Centrifugal Advance begins @ RPM	0 @ 1680	0 @ 1680	0 @ 1000	0 @ 1000
Max. degrees @ RPM	15 @ 3600	15 @ 3600	20 @ 3800	20 @ 3800
Vacuum Advance begins @ kPa	0 @ 13.3	0 @ 16.7	0 @ 13.5	0 @ 13.5
Max. degrees @ kPa	24 @ 36.7	16 @ 2800	18 @ 40.5	20 @ 33.8
Timing (initial design setting) Crankshaft deg. @ RPM with vacuum line disconnected	15	15	4 @ 600/N	4 @ 500/D (6 @ 500/D)
Timing mark location	Torsional damper			

Data in brackets () specific to California.

CLUTCHES AND TRANSMISSIONS

CLUTCHES

Engine	Type	3.8 Litre V6 (231 Cu. In.)	5.0 Litre V8 (305 Cu. In.)
	Availability	RPO LD5	RPO LG3
Type		Single, dry disc, centrifugal	
Clutch	Eff. plate load (Newtons, lbs.)	9340-10230 (2100-2300)	
Cover & Pressure Plate	Pressure plate material	Nodular iron	
	Clutch spring type	Diaphragm bent finger	
	Clutch spring material	Heat treated spring steel	
Driven Plate	Type	Single disc with two friction discs	
	Cushions	Flat spring steel between friction rings	
	Dampers	10 coil springs (5 sets of two)	
	Friction Rings	O.D. - mm (in.)	262.6 (10.34)
		I.D. - mm (in.)	165.1 (6.50)
		Total area cm ² (in. ²)	655.2 (101.58)
		Material	Woven type asbestos
Flywheel & Ring Gear	Flywheel material		Nodular iron
	Ring Gear	Material	Heat treated HR steel
		No. of teeth	168
		P.D. - mm (in.)	340 (13.4) 324 (12.75)
		Attachment	Shrink fit
Bearings	Release	Type	Single row ball
		Lubrication	None, prepacked
	Pilot	Type	Bronze bushing
		Lubrication	None, sintered and oil impregnated
Control	Clutch fork		Drop forged steel, pivot mounted on ball
	Pedal mounting		Pendant from brace on dash
	Lubrication		Crossover shaft
Clutch housing material		Aluminum alloy	

3 & 4 SPEED TRANSMISSIONS

Transmission			3-Speed		4-Speed	
Engine	Type		3.8 Litre V6		5.0 Litre V8	
Application	Availability		RPO LD5		RPO LG3	
Case Material			Cast iron			
Gear Shift	Type		Remote			
	Control		Lever			
	Location		Floor mounted			
Gears	Type		Helical			
	Material		Forged steel hardened			
	Synchronization		All forward gears			
	Constant mesh gears		All gears		All forward gears	
	Sliding		None		Reverse	
	Ratios	First	3.50	3.50	2.85	
		Second	1.89	2.48	2.02	
		Third	1.00	1.66	1.35	
		Fourth	—	1.00	1.00	
Reverse		3.62	3.50	2.85		
Lubricant	Type	GL-5 Gear lubricant				
	Capacity – litres (pts.)	1.42 (3.0)				
Extension	Material	Cast iron				
	Oil	Steel encased seat of spring loaded silicone				

TRANSMISSIONS

THREE-SPEED AUTOMATIC TRANSMISSIONS

Engine	Displacement	3.8 litre V6 (231 Cu. In.)	5.0 Litre V8 (305 Cu. In.)
General	Type	Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse	
	Selector Lever	Location (a)	Steering column
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump
	Quadrant pattern		P-R-N-D-L2-L1
	Parking Lock	Type	Locking pawl
	Operation		Applied by selector lever through manual linkage
	Method of cooling		Water
Hydraulic System	Flywheel assembly		Steel stamping with welded on ring gear
	Oil pressure pump		Supplies hydraulic pressure from an engine driven gear type pump
	Type		Steel spool valve
	Valves	Manual	Establishes range of transmission operation
		Pressure regulator	Provides main line pressure
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 to 2-1
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2
	Modulator		Regulates line pressure with modulator oil pressure which varies with torque to transmission
	Accumulator		Provides greater flexibility in attaining desired shift quality for various engine requirements
	Pressure @ Idle (b)	Drive	60
		L2	87
		L1	87
		Reverse	91
Converter Assembly	Pump (Drive member)		Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing
	Turbine (Driven member)		Steel axial flow blades assembled between inner & outer steel shells
	Stator assembly		Aluminum multivane type blades mounted on a one way (overrunning) roller clutch
	Stall ratio		2.00
	Stall speed (RPM)		2110
	Diameter (nominal)		298.4 mm (11.75 in.)
Planetary Gear Set	Reaction carrier assembly		4 steel pinion gears
	Output carrier assembly		4 steel pinion gears
	Intermediate band		Circular steel with organic lining
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1
		L2 (low two)	2.52:1 - 1.52:1
		L1 (Low one)	2.52:1
		R (Reverse)	1.93:1
	Servo Unit		Piston with release spring and inner cushion spring
Case	Material		Aluminum
Clutches	Type		Four, multiple disk
	Material	Drive plates	Three, multiple disk
		Driven plates	Steel with bonded organic facings
	Forward Clutch		Flat steel
	Direct clutch		5 each drive & driven plates
	Intermediate clutch		4 each drive & driven plates
	Low & Reverse Clutch		3 each drive & driven plates
Torque Multiplication	Release spring		5 each drive & driven plates
	Drive (maximum)		Radial row steel coil
	Low 2		5.04:1 to 1.00
	Low 1		6.44:1 to 1.00
	Reverse		5.04:1 to 1.52
Governor	Type		6.44:1 to 1.57
	Operation		6.44:1 to 2.74
Lubricant	Type		3.86:1 to 1.93
	Capacity	Dry	4.86:1 to 2.07
		Refill	3.8 Litres (8 pints)

(a) Floor mounted when console is used quadrant changes to P-R-N-3-2-1.

(b) 600 RPM input.

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1978



Specifications Form

Passenger Car

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line MONTE CARLO	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE AVE. WARREN, MICHIGAN 48090	Model Year 1978	Issued: October, 1977 Revised (•) February, 1978

Pages revised: 2,3,5,6,11,18,19,25,27,29, 10.

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

MVMA Specifications Form

Passenger Car

METRIC

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NOTES:

1. SI UNITS * ARE USED THROUGHOUT THIS FORM. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE INDICATED.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used through these specifications.
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

* SI is the abbreviation for the International System of Units which is only partially related to the various conventional metric systems. Refer to ANSI Z210.1 (ASTM 380) for proper usage.

MVMA Specifications Form Passenger Car

Car Line Monte Carlo
Model Year 1978 Issued 10-77 Revised (●) _____

METRIC

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 (Pounds)
MONTE CARLO	MODEL NUMBER	FRONT	REAR	
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

Car Line Monte Carlo

Model Year 1978

Issued 10-77

Revised (•) 2-78

METRIC

Car and Body Dimensions | See Key Sheets, for definitions.

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.

SAE Ref No refers to the definition published in SAE Recommended Practice.

J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type

SAE
Ref.
No.

2-Door Sport Coupe

Width

Tread - Front	W101	1486 (58.5 in)	(mm)
Tread - Rear	W102	1467 (57.8 in)	(mm)
Vehicle width	W103	1816 (71.5 in)	(mm)
Body width at Sq. RP - front	W117	1783 (70.2 in)	(mm)
Vehicle width - front doors open	W120	3990 (157.1 in)	(mm)
Vehicle width - rear doors open	W121	-----	(mm)

Length

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

Height*

Passenger Distribution (front/rear)	PD1.2.3	2-3	
Trunk/Cargo load (lbs.)		0	
Vehicle height	H101	1370 (53.9 in)	(mm)
● Cowl point to ground	H114	979 (38.5 in)	(mm)
Deck point to ground	H138		(mm)
Rocker panel - front	To ground	H112	219 (8.6 in)
	From front wheel C/L		(mm)
Bottom of door closed-front to grd.	H133	265 (10.4 in)	(mm)
Rocker panel - rear	To ground	H111	211 (8.3 in)
	From rear wheel C/L		(mm)
Bottom of door closed-rear to grd.	H135	--	(mm)
Windshield slope angle	H122	59.5	(°)

Ground Clearance*

Front bumper to ground	H102	354 (13.9 in)	(mm)
Rear bumper to ground	H104	314 (12.4 in)	(mm)
Bumper to grd. - front @ curb wt.	H103	376 (14.8 in)	(mm)
Bumper to grd. - rear @ curb wt.	H109	353 (13.9 in)	(mm)
Angle of approach	H106	18°17'	(°)
Angle of departure	H107	14°04'	(°)
Ramp breakover angle	H147	13°29'	(°)
Rear axle differential to ground	H153	149 (5.9 in)	(mm)
Min. running ground clearance	H156	122 (4.8 in)	(mm)
Location of min run grd clear		Rear Shock Absorber	---

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

*Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form Passenger Car

Car Line MONTE CARLO

Model Year 1978

Issued 10-77

Revised (●) 2-78

METRIC

Car And Body Dimensions See Key Sheets for definitions

Body Type

SAE
Ref.
No.

Front Compartment

● Sq RP - front, "X" coordinate	L31	1088 (42.8)	(mm)
Effective head room	H61	956 (37.6)	(mm)
Effective T Point head room	H75	961 (37.8)	(mm)
Max eff. leg room - accelerator	L34	1086 (42.8)	(mm)
Sq RP - front to heel	H30	228 (9.0)	(mm)
● Design H-point front travel	L17	171 (6.7)	(mm)
Shoulder room	W3	1402 (55.2)	(mm)
Hip room	W5	1311 (51.6)	(mm)
● Upper body opening to ground	H50	1275 (50.2)	(mm)
● Steering Wheel Angle	H18	19.5°	(°)
Back Angle	L40	26.5°	(°)

Rear Compartment

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

Luggage Compartment

Usable luggage capacity	V1	456L (16.1 cu.ft.)	(dm³)
Liftover height	H195	751 (29.6 in)	(mm)
Position of spare tire storage		Vertical - right rear trunk area	
Method of holding lid open		Boxed Hinges with Torsion Rod	

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Car Line Monte Carlo **METRIC**
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Car And Body Dimensions See Key Sheets for definitions

Body Type

SAE Ref. No.	2-Door Sport Coupe
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Station Wagon — Third Seat

Shoulder Room	W85	(mm)
Hip room	W86	(mm)
Effective leg room	L86	(mm)
Effective head room	H86	(mm)
Effective T Point head room	H89	(mm)
Seat facing direction	SD1	(mm)

NOT
APPLICABLE

Station Wagon — Cargo Space

Cargo length - open - front	L200	(mm)
Cargo length - open - second	L201	(mm)
Cargo length - closed - front	L202	(mm)
Cargo length - closed - second	L203	(mm)
Cargo length at belt - front	L204	(mm)
Cargo length at belt - second	L205	(mm)
Cargo width - wheelhouse	W201	(mm)
Rear opening width at floor	W203	(mm)
Opening width at belt	W204	(mm)
Max. rear opening width above belt	W205	(mm)
Cargo height	H201	(mm)
Rear opening height	H202	(mm)
Tail gate to ground height (curb wt.)	H250	(mm)
Front seat back to load floor height	H197	(mm)
Cargo volume index	V2	(m³)
Hidden cargo volume	V4	(m³)

NOT
APPLICABLE

Hatchback — Cargo Space

Front seat back to load floor height	H197	(mm)
Cargo length at front seat	L208	(mm)
Back Height	L209	(mm)
Cargo length at floor - front	V3	(dm³)
Cargo volume index	V4	(dm³)
Hidden cargo volume		

NOT
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.

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Power Teams (Indicate whether standard or optional)

SAE net power and torque corrected to standard conditions of temperature and barometric pressure as defined in SAE J-245

SERIES # AVAILABILITY	ENGINE (1)					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)			
	Displ. (litres)	Carb.	Compr. Ratio	SAE Net @ RPM			Exhaust System*	(A)	(B)	(C)
				Power (kW)	Torque (N·m)					
BASE-ALLSTATES	3.8	2-bb1		78	244	S	3-SPEED MANUAL (3.50 low)-BASE	2.93	-	-
	V 6		8.0:1	(105) @	(185) @		N.A. IN CALIF.			
	(LD5)			3400	2000		4-SPEED MANUAL (3.50 low)-OPT.	2.93	-	-
	231 CID						3-SPEED AUTO. (Auto 350)-OPT.	2.56 2.73 (a)		
OPTIONAL- ALLSTATES	5.0	2-bb1	8.4:1	108	332	S	3-SPEED AUTO. (Auto 200)-BASE	2.29	2.73	2.56
	V8			(145) @	(245) @		4-SPEED MANUAL (2.85 low)-DPT.	2.73	-	-
	(LG3) 305 CID			3800	2400		N.A. IN CALIF.			
# 'BASE' AND 'OPTIONAL' REFER TO ENGINE AVAILABILITY.										
(A) BASE all states.										
(B) OPTIONAL all states										
(C) ABOVE 1219M (4000 ft.) ALTITUDE - ALL EXCEPT CALIFORNIA.										
(D) CALIFORNIA ONLY.										
POSITRACTION AND AIR CONDITIONING AVAILABLE WITH ALL AXLE RATIOS.										
(1) CALIFORNIA AND ALTITUDES ABOVE 1219M (4000 FEET) :										
ENGINE 5.0 Litre		H.P. 101(135)@3800			TORQUE 325(240)@2000					

*S — Single D — Dual

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Engine Description/Carb.

3.8 Litre (231 CID) V6
RPO LD5/2-Bb1

5.0 Litre (305 CID) V8
RPO LG3/2-Bb1

Engine — General

Type (inline, V, Flat)	V	
Total dressed engine w/dry *	206 Kg (454 lb)	266.8 kg (588 lb)
No. of cylinders	6	8
Bore	96.5 (3.80)	101.6 (3.99)
Stroke	86.4 (3.40)	88.4 (3.48)
Piston Displacement	3.8 (231)	5.0 (305)
Bore spacing (C/L to C/L)	107.7 (4.24)	111.8 (4.40)
Cyl. No. system (front to rear)	L Bank 1-3-5 R Bank 2-4-6	1-3-5-7 2-4-6-8
Firing Order	1-6-5-4-3-2	1-8-4-3-6-5-7-2
Cylinder Head Material	Cast Alloy Iron	
Cylinder Block Material	Cast Alloy Iron	
Cylinder block deck height	242.8 (9.56)	229.2 (9.03)
Number of mtg. points	Front Two Rear One	
Engine installation angle	3°45'	
Recommended fuel leaded, unleaded	Unleaded	
Fuel antiknock index (R+M)/2	91 Octane	
Cylinder Head Volume (cm ³)	48.2 (2.94)	60.5 (3.69)
Head Gasket Thickness (Compressed) (M-RV 3-1.1.2)	0.53 (.021)	
Head Gasket Volume (cm ³)	3.9 (.24)	
Deck Clearance (minimum) (above or below block)	1.6 (.063) below	0.64 (.025) below
Minimum Combustion Chamber Volume (cm ³)	87.7 (5.35)	59.0 (3.6)

Engine — Pistons

Material	Cast Aluminum		Cast Aluminum
Description and finish	Full skirt with transverse slot, dished head		Sump head; closed slipper skirt
Mass (piston only)	.52 (18.192)		.6 (20.8)
Clearance (limits)	Top land	1.17-1.42 (.046-.056)	.622-.851 (.0245-.0335)
	Skirt Top	.020-.050 (.0008-.0020)	.043-.107 (.0017-.0042)
	Bottom	.030-.090 (.0013-.0035)	
Ring groove diameter	No. 1 ring	86.36-85.98 (3.385-3.400)	84.33-84.71 (3.320-3.335)
	No. 2 ring	86.36-85.98 (3.385-3.400)	84.33-84.71 (3.320-3.335)
	No. 3 ring	86.26-85.93 (3.383-3.396)	83.32-84.20 (3.300-3.315)

*Dressed engine weight includes the following:

Material required to make the engine an independent working power unit less radiator hoses, coolant, acceleration controls or engine mountings.

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METRIC

Engine Displacement

3.8 LITRE - V-6 /2-bb1 RPO LD5 (231 CID)	5.0 LITRE - V-8 /2-bb1 RPO LG3 (305 CID)
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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 - <u>Upper</u>	Cast, Iron, Barrel Face, Molybdenum coated.	Cast alloy, iron, radius face, chrome flash
	etc. <u>Lower</u>	Cast iron - Lubricated (d)	Cast alloy iron reverse twist tape face lubricated (a)
	Width	4.27-4.52 (.168-.178)	(b) (mm)
	Gap	.33- .58 (.013-.023)	(b) (mm)
Oil	Description - material, coating, etc.	SAE 1070 Steel	Multi-piece (2) rails & (1) expander Rails - steel, chrome plate O.D. Expander - stainless steel
	Width	3.43 - 3.61 (.135-.142)	4.722-4.773 (.1859-.1879") (mm)
	Gap	.38 - .89 (.015-.035)	0.25-0.89 (.010-.035") (mm)
	Expanders	In Oil Ring Assembly	

Engine - Piston Pins

Material	Sag 1018	Chromium Steel
Length	73.66 (2.90)	75.95-76.45 (2.990-3.010") (mm)
Diameter	23.853-23.860 (.9391-.9394)	23.546-23.553 (.9270-.9273") (mm)
Type	Locked in rod, in piston, floating, etc.	Pressed in rod
	Bushing In rod or piston	Locked in rod
	Material	None
Clearance	In piston	.010-.018 (.0004-.0007)
	In rod	.019-.0317 (.00075-.00125) (mm)
Direction & amount offset in piston	(c) Right 1.02 (.040)	1.52 (0.060 in) (mm)

Engine - Connecting Rods

Material	Pearlitic malleable iron	Drop forged steel
Mass	.660 (23.3)	0.4 (13.7) (kg)
Length (center to center)	151.4 (5.96 in)	144.65-144.91 (5.695-5.705 in) (mm)
Bearing	Material & Type	Premium Aluminum
	Overall length	16.61 (.654)
	Clearance (limits)	0.01-.07 (.0005-.0026)
	End Play	.15-.58 (.006-.023)

- (a) Upper - 1.956-1.981mm (.0770-.0780 in); lower 1.956-1.968mm (.0770-.0775 in)
(b) Upper - 0.25-0.51mm (.010-.020 in); lower 0.25-0.63mm (.010-.025 in)
(c) Major thrust side
(d) Inside bevel reverse taper face.

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Engine Displacement

3.8 LITRE - V-6/2-bb1 RPO LD5 (231 CID)	5.0 LITRE - V-8/2-bb1 RPO LG3 (305 CID)
--	--

Engine—Crankshaft

Material	Nodular cast iron	
Vibration damper type	Rubber mounted inertia	
End thrust taken by bearing (No.)	2	5
Crankshaft end play	.08-.23 (.003-.009)	0.05-0.18 (.002-.007 in) (mm)
Main bearing	Material & type	(b) #1 - G66 Connecc; (a) #2,3,4 - Premium Aluminum
	Clearance	.010-.038 (.0004-.0015) (c) (mm)
	Journal dia. and bearing overall length	No. 1 63.487x21.95 (2.4995x.864) 62.235x19.10 (2.4502x.752 in) (mm)
		No. 2 63.487x26.85 (2.4995x1.057) 62.235x19.10 (2.4502x.752 in) (mm)
		No. 3 63.487x21.95 (2.4995x.864) 62.235x19.10 (2.4502x.752 in) (mm)
		No. 4 63.487x21.95 (2.4995x.864) 62.235x19.10 (2.4502x.752 in) (mm)
		No. 5 -- 62.250x29.97 (2.4508x1.180 in) (mm)
		No. 6 -- (mm)
		No. 7 -- (mm)
	Dir. & amt. cyl. offset	-- (mm)
	No. bolts/main brg. cap	Two
Crankpin journal diameter	57.12-57.14 (2.2487-2.2495)	53.31-53.34 (2.099-2.100 in) (mm)

Engine—Camshaft

Location	In block above crankshaft	
Material	Cast alloy iron	
Bearings	Material	Steel backed babbitt
	Number	4 5
Type of Drive	Gear or chain	Chain
	Crankshaft gear or sprocket material	Sintered Iron
	Camshaft gear or sprocket material	Aluminum Nylon
	Timing chain	No. of links 54 46
		Width 22.23 (.875) 15.87 (.625 in) (mm)
		Pitch 9.53 (.375 in) 12.7 (.500 in) (mm)

- (a) #5 upper (all) - steel backed insert
#5 lower with auto trans - premium aluminum
#5 lower with man. trans - steel backed insert
- (b) #1 upper - Premium aluminum conecc
#1 lower - steel backed insert
#2 and 4 - steel backed insert
#3 Premium aluminum
- (c) #1 - 0.020-0.051mm (.0008-.0020 in)
#2,3,4 - 0.028-0.058mm (.0011 - .0023 in)
#5 - 0.043-0.084mm (.0017 - .0033 in)

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Engine Displacement

3.8 LITRE - V-6/2-bb1
RPO LD5 (231 CID)

5.0 LITRE - V-8/2-bb1
RPO LG3 (305 CID)

Engine—Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			None	Exhaust
Push rods (dia., length, material)			7.9mm (.3125") dia. (a)	7.9mm (.3125") dia (b) (mm)
Rocker ratio			1.55:1	1.5:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero (mm)	
	Exhaust		Zero (mm)	
Timing (based on top of ramp points)	Intake	Opens (*BTC)	17	28 (°)
		Closes (*ABC)	73	64 (°)
		Duration	270	272 (°)
	Exhaust	Opens (*BBC)	68	78 (°)
		Closes (*ATC)	29	30 (°)
		Duration	277	288 (°)
	Valve open overlap		46	58 (°)
Intake	Material		1041 steel chrome flash stem	SAE 1541 steel chrome flash stem
	Overall length		118.36-119.13 (4.660-4.690)	124.51-125.02 (4.903-4.922)
	Actual overall head dia.		41.3 (1.625")	43.7 (1.72") (mm)
	Angle of seat & face		45	46 seat, 45 face (°)
	Seat insert material		None	None
	Stem diameter		8.649-8.666 (.3402-.3412)	8.661-8.679 (.3410-.3417")
	Stem to guide clearance		.038-.089 (.0015-.0035)	0.025-0.069 (.0010-.0027")
	Lift (α zero lash)		9.73 (.383")	9.47 (.373") (mm)
	Outer spring force & length	Valve closed	262.5-306.9 @ 43.87 (59-69 @ 1.727)	341.088-376.992 @ 43.2 (76-84 @ 1.70) (N@mm)
		Valve open	702.8-756.2 @ 34.04 (159-169 @ 1.34)	773.9-827.3 @ 31.7 (174-186 @ 1.25) (N@mm)
	Inner spring force & length	Valve closed	None	Spring Damper (N@mm)
		Valve open	None	Spring Damper (N@mm)
Exhaust	Material		21-2N Steel chrome flash stem (d)	21-2N steel chrome flash stem (d)
	Overall length		118.95-119.71 (4.683-4.713)	124.79-125.30 (4.913-4.933")
	Actual overall head dia.		36.2 (1.425")	38.1 (1.50") (mm)
	Angle of seat & face		45	46 seat, 45 face (°)
	Seat insert material		None	None
	Stem diameter		8.649-8.666 (.3405-.3412)	8.661-8.679 (.3410-.3417")
	Stem to guide clearance		.038-.081 (.0015-.0032)	0.025-0.069 (.0010-.0027")
	Lift (α zero lash)		9.3 (.366")	10.4 (.410") (mm)
	Outer spring force & length	Valve closed	262.5-306.9 @ 43.87 (59-69 @ 1.727)	341.088-376.992 @ 41.0 (76-84 @ 1.61) (N@mm)
		Valve open	774.0-845.2 @ 34.04 (174-190 @ 1.34)	818.4-871.8 @ 29.5 (184-196 @ 1.16) (N@mm)
	Inner spring force & length	Valve closed	Spring Damper	Spring Damper (N@mm)
		Valve open	Spring Damper	Spring Damper (N@mm)

- (a) 1.5mm (.060") wall tubing with hardened balls each end; 220.9mm (8.697") long
 (b) 1010 steel, carbonitrided, formed ends; 196.2mm (7.724") long
 (c) Aluminized head
 (d) Nickel plated head

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METRIC

Engine Description/Carb.

3.8 Litre (231 CID) V6/2-bbl
RPO LD5

5.0 Litre (305 CID) V8/2-bbl
RPO LG3

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 from camshaft brg.
	Cylinder walls	Splash	Pressure
Oil pump type		Gear	
Normal oil pressure		235 (34) @ 2400	310.3 (45) @ 2000 (kPa @ engine rpm)
Type oil intake (floating, stationary)		stationary	
Oil filter system (full flow, part., other)		Full Flow	
Capacity of c/case, less filter-refill		3.8 (4.0)	(litres)
Oil grade recommended (SAE viscosity and temperature range in °C)		(a)	
Engine service reqmt. (SD, SE, etc.)		SE	

Engine — Exhaust system

Type (single, single with cross-over, dual, other)		Single with crossover and single converter	
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 x 1.80 (2.0 x .071)	50.8 x 1.02 (2.0 x .040) (mm)
	Main O. D., wall thickness	57.15 x 1.80 (2.25 x .071)	
	Material	Laminated stainless steel tubing	
Inter-mediate Pipe	O. D. & wall thickness	44.5 x 1.40 (1.75 x .055)	50.8 x 1.40 (2.0 x .055) (mm)
	Material	Aluminized steel tubing	
Tail Pipe	O.D. & wall thickness	50.8 x 1.50 (2.0 x .060)	57.15 x 1.40 (2.25 x .055)
	Material	Aluminized steel tubing	

- (a) -6.6°C (20°F) and above - 20w-20, 10w-30, 10w-40, 20w-40, 20w-50
 -17.7°C to +15.5°C (0 to 60°F) -10w, 5w-30, 10w-40, 10w-30
 -6.6°C (20°F) and below -5w-20, 10w-30

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Engine Displacement

3.8 LITRE - V-6 /2-bb1
RPO LD-5 (231 CID)

5.0 LITRE - V-8/2-bb1
RPO LG3 (305 CID)

Engine — Fuel System

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity	66.2 (17.5 gal) (litres)	
	Filler location	Center Rear	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Engine - left front side	Engine - right front side
	Pressure range	29.3 - 39.6 (4.25-5.75 psi)	51.7-62.7 (7.5-9.0 psi) (kPa)
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank and paper	
	Locations	filter element in carburetor inlet	
Carburetor	Choke type	Electric	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Standard	Ducted air, closed paper element
		Optional	Single snorkel
Idle speed (spec. neutral or drive)	Manual	800/N	600/N (rpm)
	Automatic	600/D	500/D (rpm)
Idle A/F mix.			

Carburetor Supplementary Information

Carburetor Supplementary Information						
Model Usage	Piston Displ. (litre)	Transmission	Carburetors (a)		No. Used and Type	Barrel Size (mm)
			Make	Model		
ALL	231 (3.8L)	MANUAL	Rochester	17058145	1-2-bb1	36.5 (1.4375 in)
		AUTOMATIC		17058182 (17058448)		
	305 (5.0L)	MANUAL	Rochester	17058113	1-2-bb1	42.9 (1.69 in)
		AUTOMATIC		17058108 (17058408)		
(a) Items bracketed () are specific to California.						

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METRIC

Engine Description/Carb.

3.8 Litre (231 CID) V6/2-bb1
RPO LD5

5.0 Litre (305 CID) V8/2-bb1
RPO LG3

Engine — Cooling System

Coolant recovery system (std., opt., none)		Standard		
Radiator cap relief valve pressure		103.4 (15 PSI) (kPa)		
Circulation thermostat	Type (choke, bypass)	Choke		
	Starts to open at	90.6 (195°F) (°C)		
Water pump	Type (centrifugal, other)	Centrifugal		
	litres/s @ 1000 rpm			
	Number of pumps	One		
	Drive (V-belt, other)	V-belt		
	Bearing type	Double Row ball		
By-pass recirculation type (inter., ext.)		External	Internal	
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)		Cross flow, tube and center		
Cooling system capacity	With heater	14.79 (15.6	18.13 (19.2 qts) (litres)	
	Without heater		(litres)	
	Opt. equipment-specify		(litres)	
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 (1.50 in) (m.)	
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter	38 (1.50 in) (mm)	
	By-pass	Number and type (molded, straight)	One, molded	
		Inside diameter	15.9 (.625 in) (mm)	
	Radiator	Standard	Width	668 mm (26.3 in)
			Height	431 mm (16.97 in)
			Thickness	32 (1.26 in) 31.5 (1.24 in)
		A/C	Width	668 mm (26.3 in)
Height			431 mm (16.97 in)	
Thickness			31.5 mm (1.24 in)	
Heavy duty		Width	668 mm (26.3 in)	
		Height	431 mm (16.97 in)	
		Thickness	31.5 mm (1.24 in)	
Fan (Standard)		Number of blades & spacing		4
		Diameter		483 mm (19)
		Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		None	
Fan (Optional)	No. of blades and spacing		5	
	Diameter		508 mm (20) 483 mm (19)	
	Ratio-fan to crankshaft rev.		.949:1	
	Fan cut-out type		Thermo-modulated viscous type	

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Car Line MONTE CARLO

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METRIC

Engine Displacement

All except Cal.
231 V6 & 305 V8

Above 1219M (4000 ft) Alt &
Calif - 231 V6 & 305 V8

Vehicle Emission Control

Type (Air injection, engine modifications, other)		Engine Modifications	Manifold Air Injection
Air Injection Pump	Type	CONTROLLED COMBUSTION SYSTEM	Semi Articulated Vane
	Displacement		316.3 (19.3) (cm³)
	Drive ratio		1.15:1
	Drive type		Crankshaft Pulley
	Relief valve (type)		Diverter Valve
	Filter (describe)		Centrifugal Air Cleaner
Air Injection System	Air distribution (head, manifold, etc.)		Exhaust Pipe
	Point of entry		Exhaust Pipe
	Injection tube i.d.		6.9 (0.27) (mm)
	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	V-6 - left rear; V8 - right rear of inlet manifold	
	Control energy source	Carburetor Vacuum	
	Exhaust source	Manifold exhaust crossover	
	Exhaust cooler type	None	
	Orifice no. and size	One; 0.76 (0.030) (mm)	
	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold	
Catalytic Converter System	Catalyst	Type	Platinum - Palladium
		Volume	4.26 (260) (litres)
	Substrate type	Alumina	
	Container location	Beneath Right Front Underbody	
Other	Carburetor	Thermostatically control air cleaner regulates and mixes	
	Hot Air	heated air with incoming cold air to reduce hydrocarbon emission.	

MVMA Specifications Form Passenger Car

Car Line MONTE CARLO **METRIC**
Model Year 1978 Issued 10-77 Revised (●)

Engine Displacement

3.8 LITRE - V-6/2-bb1
RPO LD5 (231 CID)

5.0 LITRE - V-8 /2-bb1
RPO LG3 (305 CID)

Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	Standard Optional	Induction System
	Control Unit	Make and model	A.C. Spark Plug
		Location	V6 Intake manifold, rear; V-8 LF 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)	Intake Manifold
		Air inlet (breather cap, other)	Carburetor Air Cleaner
		Flame arrestor (screen, other)	Screen
Evaporative Emission Control	Fuel Tank	Thermal expansion volume	Approximately 10% of refill capacity (dm ³)
		Relief pressure and location	7.6 (1.1) (kPa)
		Vacuum relief and location	4.8 (0.7) (kPa)
		Vapor-liquid separator type	Integral with fuel tank
		Vapor vented to (crankcase, canister, other)	Canister
	Carbu- retor	Vapor vented to (crankcase, canister, other)	Canister
	Vapor Storage	Storage provision (crankcase, canister, other)	Canister
		Volume or capacity	Approximately 50 grams storage capacity (dm ³) (g)
		Control valve type	Controlled by orifice and carburetor throttle body and throttle blade position.

MVMA Specifications Form Passenger Car

Car Line **Monte Carlo**
Model Year **1978** Issued **10-77** Revised (●)

METRIC

Engine Description/Carb.

3.8 Litre (231 CID) V6/2-bb1
RPO LD5

5.0 Litre (305 CID) V8/2-bb1
RPO LG3

Electrical — Supply System

Battery	Make and Model	Delco 85-4 "Freedom"	Delco 85-5 "Freedom"
	Voltage Rtg. & Total Plates	12V, 2500 Watts	12V, 3200 Watts (V)
	SAE Designation No. and/or capacity	60 Minute Reserve Capacity	80 Minute Reserve Capacity
	Location	Engine compartment, right front	
Generator or Alternator	Make	Delco Remy	
	Model	1102841	1102394
	Type and rating	42	37 (A)
	Output at engine idle (neutral)	12-20 amps (A)	
	Ratio—Gen. to Cris rev.	2.36:1	2.73:1
Regulator	Make	Delco Remy	
	Model	---	
	Type	Micro circuit unit, integral with alternator	
	Regulated	Voltage	None (V)
		Current	None (A)
	Voltage test conditions	Temperature	Operating (°C)
		Load	(A)
		Other	

Electrical — Starting System

Starting Motor	Make	Delco Remy	
	Model	1108797	1109524
Motor Drive	Engagement type	Solenoid with overrunning clutch	Positive shift solenoid
	Pinion engages from (front, rear)	Front	Rear
	Number of teeth	Pinion	9
		Flywheel Manual	160
		Flywheel Auto.	160

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Car Line Monte Carlo

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METRIC

Engine
Description/Carb.

3.8 Litre (231 CID) V6/2-bb1
RPO LD5

5.0 Litre (305 CID) V8/2-bb1
RPO LG3

Electrical — Ignition System — Distributor

Distributor	Manual	1110695	1103281
	Automatic	1110695 (1110731)	1103282
Timing	Manual	15°	4° (°)
	Automatic	15° (15°)	4° (6°) (°)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa	
	Start	Intermediate	Maximum	Start	Maximum
1110695	0@1680		15@3600	0@13.3	24@36.7
1110731	0@1680		15@3600	0@16.7	16@28.0
1103281	0@1000	10@1700	20@3800	0@13.5	18@40.5
1103282	0@1000	10@1700	20@3800	0@13.5	20@33.8
Data in brackets () are specific to the State of California.					

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Car Line Monte Carlo
Model Year 1978 Issued 10-77 Revised (●) _____

METRIC

Engine Description/Carb.

3.8 Litre (231 CID) V6/2-bb1
RPO LD5

5.0 Litre (305 CID) V8/2-bb1
RPO LG3

Electrical—Ignition System

Type	Conventional - Std., Opt., N. A.	---
	Transistorized - Std., Opt., N. A.	---
	Other (specify)	High Energy Ignition System (H.E.I.)
Coil	Make	Delco Remy
	Model	Integral with distributor cap
	Current	Engine stopped (A) Engine idling (A)
Spark Plug	Make	AC Spark Plug
	Model	P46TSX R45TS
	Thread	14 (mm)
	Tightening torque	33.9 (25 lb ft) (N·m)
	Gap	1.52 (.060) 1.14 (.045) (mm)

Electrical—Suppression

Locations & type	Non-metallic high tension ignition cables
------------------	---

Electrical—Instruments and Equipment

Speedometer	Type	Circular dial with pointer
	Trip odometer (std. opt., N. A.)	Not Available
EGR maintenance indicator		Not Available
Charge Indicator	Type	Tell-Tale
	Warning device	Not Available
Temperature Indicator	Type	Tell-Tale
	Warning device	Not Available
Oil pressure Indicator	Type	Tell-Tale
	Warning device	Not Available
Fuel Indicator	Type	Electric Gauge
	Warning device	Not Available
Windshield Wiper	Type - standard	Electric Two-Speed
	Type - optional	Intermittent windshield wiper system
	Blade length	457 (18 in.) (mm)
	Swept area	6000 (930.3 in ²) (cm ²)
Windshield Washer	Type - standard	Push-Button
	Type - optional	Not Available
	Fluid level indicator	Not Available
Horn	Type	Vibrator
	Number used	Dual
	Current draw (A) per horn	4.5 - 6.5 @ 12.5 (A)
Other		Restraint system warning light and buzzer. Parking brake and brake failure warning light Tachometer, voltmeter, oil pressure and coolant temperature gauges in optional package.

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Car Line Monte Carlo **METRIC**
Model Year 1978 Issued 10-77 Revised (●) 2/78

Engine Description/Carb.

3.8 Litre (231 CID) V6/2-bb1
RPO LD5

5.0 Litre (305 CID) V8/2-bb1
RPO LG3

Drive Units—Clutch (Manual Transmission)

Make & type	Chevrolet, single dry disc, centrifugal	
Type pressure plate springs	Diaphragm, bent finger design	
Total spring force	9340 - 10230 (2100-2300) (N)	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Manufacturer	Chevrolet
	Part Number	3927129
	Rivets/Plate	40
	Rivet size	4.67 x 5.28 (.184 x .208) (mm)
	Outside & inside dia.	262.6 x 165.1 (10.34 x 6.50) (mm)
	Total eff. area	655.2 (101.58) (cm ²)
	Thickness	3.43 (.135) (mm)
Release bearing	Engagement cushioning method	Flat spring steel between facings
	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods: springs, friction material	Coil springs

Drive Units—Transmissions

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

Drive Units — Manual Trans.

Number of forward speeds		Three	Four	
Transmission ratios	In first	3.50	3.50	2.85
	In second	1.89	2.48	2.02
	In third	1.00	1.66	1.35
	In fourth	--	1.00	1.00
	In fifth	--	--	--
	In reverse	3.62	3.50	2.85
Synchronous meshing, specify gears		All forward gears		
Shift lever location		Floor mounted		
Lubricant	Capacity (pt.)	1.42 (3.0) (litres)		
	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	

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Car Line MONTE CARLO

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Engine Displacement

3.8 LITRE V-6/2-bb1 RPO LD5 (231 CID)	5.0 LITRE V-8/4-bb1 RPO LG3 (305 CID)
--	--

Drive Units—Automatic Transmission

Trade name	3-Speed Automatic	
Type (describe)	Torque Converter with planetary gears	
Selector location	Lever - steering column, floor mounted when used with console and bucket seats	
Gear Ratios	P	Park
	R	1.93 2.07
	N	Neutral
	D	2.52-1.52-1.00 2.74-1.57-1.0
	L2	2.52-1.52 2.74-1.57
	L1	2.52 2.74
Max. upshift speed - drive range	111-134	119-140 (km/h)
Max. kickdown speed - drive range	106-129	114-135 (km/h)
Torque Converter	Number of elements	3
	Max. ratio at stall	2.0 2.35
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298.4 (11.75) (mm)
Lubricant	Capacity - refill	3.8 3.3 (litres)
	Type recommended	Dexron (R) II
Special transmission features		

Drive Units—Axle

Type (front, rear)	Rear	
Description	Semi-Floating forged hardened steel axle shafts, overhung drive pinion and ring gear	
Limited Slip differential, type	Disc Clutches	
Drive Pinion Offset	38.1 (1.50) Vertical (mm)	
No. of differential pinions	Two	
Pinion adjustment (shim, other)	Shim	
Pinion bearing adj. (shim, other)	Collapsible Sleeve	
Wheel bearing type	Direct or single row cylindrical roller	
Lubricant	Capacity	1.54 (3.25) (litres)
	Type recommended	SAE GL-5
	SAE viscosity number	Summer 80W-90
		Winter 80W-90
		Extreme cold 80W-90

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

Axle ratio	2.29	2.56	2.73 ³	2.93
No. of teeth	Pinion	17	16	15
	Ring gear	39	41	41
Ring Gear O. D.	190.5 (7.50) (mm)			

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METRIC

Engine Description/Carb.

3.8 Litre (231 CID) V6/2-bbl
RPO LD5

5.0 Litre (305 CID) V8/2-bbl
RPO LG3

Drive Units—Propeller Shaft

Number used		One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	6.35 x 1331.5 x 1.65 (2.5 x 52.42 x .065)	NA (mm)
	Manual 4-speed trans.	Same as Manual 3-Speed (mm)	
	Manual 5-speed trans.	Not Applicable	
	Overdrive	Not Applicable	
	Automatic transmission	Same as Manual 3-Speed (mm)	
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting, prepack)	---	
Slip Yoke	Type	Yoke	
	Number of teeth	27	
	Spline O. D.	(mm)	
Universal joints	Make and Mfg. No.	Saginaw 44	
	Number used	Two	
	Type (ball and trunnion, cross)	Single Cardan	
	Rear attach. (u-bolt, clamp, etc.)	Strap & bolt	
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Prepack	
Drive taken through (torque tube or arms, springs)		Control arm	
Torque taken through (torque tube or arms, springs)		Control arm	

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

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Body Type And/Or Engine Displacement, Etc.

Drive Units — Tires And Wheels (Standard)*

TIRES	Size, load range, ply		P205/70R-14 (Blackwall) (A)	
	Type (bias, radial, etc.)		Steel Belted Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front	26	(kPa)
		Rear	26	(kPa)
	Rev./km@ 70 km/h		495 @ 72 Km/hr (797 @ 45)	
WHEELS	Type & material		Short Spoke Disc, Steel	
	Rim (size & flange type)		14 x 6JJ	
	Wheel offset		'0'	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	4.75	
		Number & size	5-7/16-20 UNF2B	
Spare wheel (same or other)		15x4 (25mm offset)		

Drive Units — Tires And Wheels (Optional)*

Size, load range, ply	Spare	Base - Compact T125/70D15 (B)
Type (bias, radial, etc.)		Optional - P205/70R-14
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		Rally Type (RPO ZJ7 - Rally Wheels)
Rim (size, flange type, and offset)		14 x 6JJ '0' offset
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

Brakes — Parking

Type of control	Foot pedal apply "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	-----	(mm)
	Lining size (length x width x thickness)	-----	(mm)

* Use current tire and wheel size codes.

(A) Wide whitewall tire optional.

(B) Compact spare not available with positraction. (requires stowaway spare)
Radial spare not available.

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Body Type And/Or Engine Displacement

V-6 ENGINE - NON AIR
CONDITIONING

V8 ENGINE & V6 ENGINE
WITH AIR CONDITIONING

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	----	
		Rear	Standard	
	Disc	Front	Standard	
		Rear	----	
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)			
Power Brake (std., opt., N.A.)		Optional (a)	Required Option	
Booster Type (remote, integral, etc.)		Integral		
Effective area *		615.47 (95.42) (cm ²)		
Gross lining area **		(cm ²)		
Swept area ***		1985.09 (307.77) (cm ²)		
Drum	Diameter (nominal)	Front	----	
		Rear	241.3 (9.5) (mm)	
Type and material		Finned cast iron	Finned aluminum	
Rotor	Outer working diameter		266.7 (10.5) (mm)	
	Inner working diameter		(mm)	
	Thickness		26.2 (1.03) (mm)	
	Material & type (vented/solid)		Cast Iron Vented	
Wheel cyl- inder bore	Front		63.5 (2.5) (mm)	
	Rear		19.05 (0.75) (mm)	
Master Cylinder	Bore		22 (0.87) (Manual) 24 (0.94) (Power) (mm)	
	Stroke		34.47 (1.36) 33.33 (1.31) (mm)	
Pedal arc ratio		6.29:1 Manual, 3.5:1 power		
Line pressure at 445 N pedal force		(MPa)		
Shoe Clearance	Front	Self Adjusting (mm)		
	Rear	Self Adjusting (mm)		
Anti-skid device type (std., opt., N.A.)		N.A.		
Bonded or riveted, rivets/seg.		Riveted		
Rivet size		Front - 5.33 x 7.92, (.210 x .312); Rear 3.6x6.35 (.143x.250)		
Manufacturer				
Part number				
Brake lining	Front Wheel	Material		
		Size (length x width x thickness)	Prim. or out- board	125.0 x 48.44 x 11.04 (4.97 x 1.91 x .435 in) (mm)
			Second. or in- board	125.0 x 48.44 x 11.04 (4.92 x 1.91 x .435) (mm)
		Segments per shoe		One (mm)
		Shoe thickness		Inboard - 15.84 (.620); Outboard - 13.97 (.550") (mm)
		Rear Wheel	Material	
	Size (length x width x thickness)		Prim. or out- board	192.49 x 51.0 x 4.98 (7.58x2.0x0.196 in) (mm)
			Second. or in- board	249.61 x 51.0 x 6.75 (9.83 x 2.0 x 0.266 in) (mm)
	Segments per shoe			
	Shoe thickness		Primary - 9.65 (0.38); Secondary - 9.65 (0.38) (mm)	

* 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. multiplied by $\pi/2$ for each brake.)

(a) Requires Monte Carlo equipment package (4-speed manual or automatic trans, power brakes and power steering)

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Steering

Manual (std., opt., NA)			Standard		
Power (std., opt., NA)			Optional V6 with non-Air conditioned vehicles (a)		
Adjustable steering wheel (till, swing, other)	Type and description		Tilt - Universally jointed steering shaft at base of steering wheel - 5" vertical travel range; 6 positions.		
	(std., opt., NA)		Optional		
Wheel diameter	Manual		387.0 (15.0 in.) (mm)		
	Power		387.0 (15.0) (mm)		
Turning diameter	Outside front	Wall to wall (l. & r.)	12.36 (40.54) (m)		
		Curb to curb (l. & r.)	11.33 (37.19) (m)		
	Inside rear	Wall to wall (l. & r.)	(m)		
		Curb to curb (l. & r.)	(m)		
Manual	Gear	Type	Semi-Reversible, recirculating ball nut		
		Make	Saginaw Steering		
		Ratios	Gear	24.0:1	
			Overall	28.0:1	
	No. wheel turns (stop to stop)		5.3		
	Power	Type (coaxial, linkage, etc.)		Integral gear and power piston with vane type gear	
Make		Saginaw Steering Gear			
Gear		Type	Semi-Reversible, recirculating ball nut		
		Gear	14.0:1		
Ratios		Overall	15.4:1		
		Pump driven by		Crankshaft Pulley	
No. wheel turns (stop to stop)		3.3			
Linkage	Type		Parallelogram		
	Location (front or rear of wheels, other)		Front		
	Drag link (trans. or longit.)		None		
	Tie rods (one or two)		Two		
Steering Axis	Inclination at camber		7.86 (°)		
	Bearings (type)	Upper	Ball Stud with non-metallic surfaces		
		Lower	Ball Stud with non-metallic surfaces		
		Thrust	----		
Whl. Align. (range at curb mass & preferred)	Caster		+3° ± 1° (°)		
	Camber		+0.5 ± 0.8° (°)		
	Toe-in (outside track)		.12° ± .12° (mm)		
Steering spindle & joint type			Forging with pad for mounting brake cylinder spherical.		
Wheel Spindle	Diameter	Inner bearing	31.7475 - 31.7271 (1.25) (mm)		
		Outer bearing	19.0475 - 19.0271 (0.75) (mm)		
	Thread size *		3/4 - 20 UNEF 3A (modified) (in)		
	Bearing type		Tapered roller		
Wheel Align. @ curb wt.	Service checking	Caster (deg.)	Manual Steering 0° to +2°; Power Steering - +2° to +4°		
		Camber (deg.)	-0.3° to +1.3°		
		Toe-in (outside)	+0.05 to +.25°		
	Service reset	Caster	Manual Steering +1° ± 0.5° Power Steering - +3° ± 0.5°		
		Camber	+0.5° ± 0.5°		
		Toe-in	+.15 ± -.5°		
	Periodic M.V. inspection	Caster	Manual Steering -1° to +3°; Power Steering - +1° to +5°		
		Camber	-1.0° to +2.0°		
Toe-in		-.15 to +.55°			

* indicate inch or metric. (a) Requires Monte Carlo equipment package (4-speed manual or auto. trans., power brakes and power steering.

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Body Type And/Or Engine Displacement

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front Stabilizer Bar
Provision for brake dip control	Front Suspension Geometry
Provision for acc. squat control	Rear Suspension Geometry
Special provisions for car jacking	Position jack in bumper slot on lower face of front and rear bumpers
Shock absorber front & rear	Direct double acting hydraulic
Type	Delco
Make	25 (1.0) (mm)
Piston dia.	
Other special features	

Suspension — Front

Type and description	Independent - SLA with coil springs	
Travel	Full Jounce	90.0 (3.54) (mm)
	Full Rebound	92.0 (3.62) (mm)
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 0.61 (a)) (mm)
	Spring rate	52.5 (300) (a) (kN/m)
	Rate at wheel	15.6 (89) (kN/m)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel; 31 (1.22) (mm)

Suspension — Rear

Type and description	Salisbury 4-link type with coil springs	
Drive and torque taken through	Control arms	
Travel	Full Jounce	107 (4.21) (mm)
	Full Rebound	113 (4.45) (mm)
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 2428 x 12.8 (10 x 5.50 x 95.6 x 0.504) (a) (mm)
	Spring rate	17.5 (100) (a) (kN/m)
	Rate at wheel	17.9 (102) (kN/m)
Stabilizer	Mounting insulation type	
	If leaf	No. of leaves -----
	Shackle (comp. or tens.)	-----
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel; 20 (0.79 in) (mm)
Track bar type		

(a) For base equipped model. Springs for all models are computer selected by size and rate according to vehicle weight including optional equipment.

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Body Type

2 - DOOR SPORT COUPE

Frame

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

FULL FRAME, PERIMETER TYPE

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Acrylic Lacquer	
Hood counterbalanced (yes, no)	Yes	
Hood release control (internal, external)	Internal	
Vehicle Ident. No. location	Top left hand of instrument panel pad	
Theft protection - type	Lock mounted on steering column; locks steering wheel, transmission, shift levers and ignition.	
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	----
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	----
Windshield glass type	Curved Laminated plate	
Side glass type	Curved Tempered Plate	
Backlight glass type	Curved tempered plate	
● Windshield glass exposed surface area	8082 (1252.7in ²)	(cm ²)
● Side glass exposed surface area	9912 (1536.4in ²)	(cm ²)
● Backlight glass exposed surface area	4660 (722.3in ²)	(cm ²)
● Total glass exposed surface area	22654 (3511.4in ²)	(cm ²)

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Body Type

2-Door Sport Coupe

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	N/A
	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)		N/A
Radios (specify type as well as availability)		Optional - AM Push-button, AM/FM Push-button, AM/FM Stereo, AM Stereo w/tape, AM/FM Stereo w/tape
Rear seat speaker		Optional
Power antenna		Optional
Clock		Standard
Air conditioner (specify type and availability)		Optional - "Four Season" manual controls
Speed warning device		N/A
Speed control device		Optional with automatic transmission
Ignition lock lamp		
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Standard
Map lamp		N/A
Cornering lamp		N/A
Rear window defroster electrically heated		Optional
Rear window defogger		N/A
Theft protection - type		N/A
Dome Reading Lamp		Optional
Windshield Antenna		Included with factory installed radio, also available w/o radio
Trunk Lid Release		Optional

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	659 (25.9 in)	(mm)
		Lowest		(mm)
	Tail (H126)	Highest	606 (23.9 in)	(mm)
		Lowest		(mm)
	Sidemarker	Front	716 (28.2 in)	(mm)
		Rear	606 (23.9 in)	(mm)
Distance from C/L of car to center of bulb	Headlamp	Inside		(mm)
		Outside**		(mm)
	Tail	Inside		(mm)
		Outside		(mm)
	Directional	Front		(mm)
		Rear		(mm)

*Measured at curb weight

**If single headlamps are used enter here

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SHIPPING WEIGHT:	SAME AS BASE CURB WEIGHT EXCEPT 3 GALLONS OF GASOLINE.
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Revised (●)

METRIC

Equipment Differential Mass	MASS (kg)			Remarks
	Front	Rear	Total	
AIR CONDITIONING 4 SEASONS	23.1 (+ 51)	1.81 (+ 4)	24.9 (+ 55)	with V6 and V8 engines
ELECTRIC DOOR LOCKS	0.7 (+1.5)	0.2 (+.5)	0.9 (+ 2)	
POWER WINDOWS	2.3 (+ 5)	1.4 (+ 3)	3.7 (+ 8)	
POWER SEAT 6WAY BENCH	4.5 (+ 10)	3.7 (+ 8)	8.2 (+ 18)	
POWER SEAT 6 WAY SEAT 55/45	5.9 (+ 13)	4.9 (+ 11)	10.8 (+ 24)	
VINYL ROOF COVER (PADDED)	0.91 (+ 2)	0.91 (+ 2)	1.82 (+ 4)	
FLOOR MATS FRONT & REAR	1.81 (+ 4)	1.36 (+ 3)	3.17 (+ 7)	
FRONT COMPARTMENT CONSOLE	2.27 (+ 5)	0.45 (+ 1)	2.72 (+ 6)	with 3 & 4 speed transmission
	4.5 (+10)	2.3 (+ 5)	6.8 (+15)	with Automatic Transmission
RADIO AM PUSH-BUTTON	2.27 (+ 5)	0.90 (+ 2)	3.17 (+ 7)	
RADIO AM/FM PUSH-BUTTON	3.17 (+ 7)	0.91 (+ 2)	4.08 (+ 9)	
RADIO AM/FM STEREO	5.0 (+11)	1.8 (+4)	6.8 (+15)	
RADIO AM PUSH-BUTTON/ STEREO TAPE PLAYER	5.9 (+13)	1.82 (+ 4)	7.7 (+17)	
RADIO AM/FM PUSHBUTTON STEREO TAPE PLAYER	6.4 (+14)	1.82 (+4)	8.2 (+18)	
AUXILIARY SPEAKER-REAR	0 (0)	0.91 (+ 2)	0.91 (+ 2)	
5.0 LITRE V8 805 CU. IN. RPO LG3	57.6 (+127)	3.7 (+ 8)	61.3 (+135)	
4 SPEED TRANSMISSION	-12.2 (-27)	-2.3 (-5)	-14.5 (-32)	
AUTOMATIC TRANS	10.0 (+22)	3.17 (+ 7)	13.2 (+ 29)	With LD5

MVMA Specifications Form Passenger Car

Car Line MONTE CARLO
Model Year 1978 Issued 10-77 Revised (●) 2-78

METRIC

Body Type

2 DOOR SPORT COUPE

Vehicle Fiducial Marks

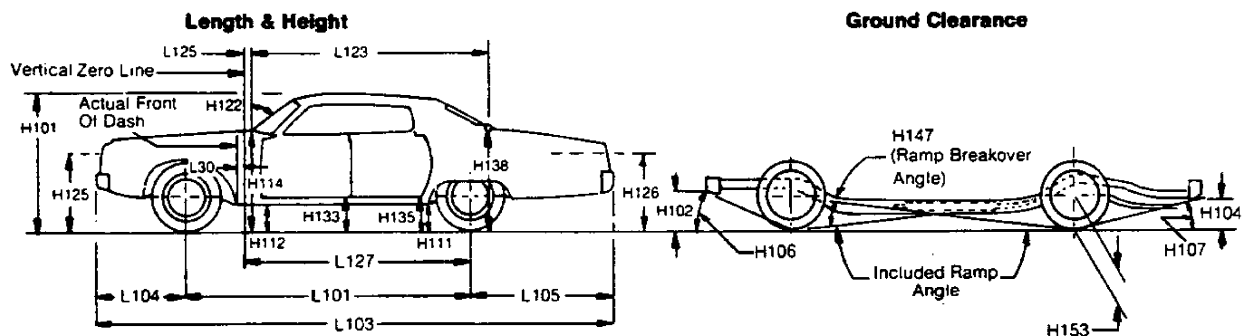
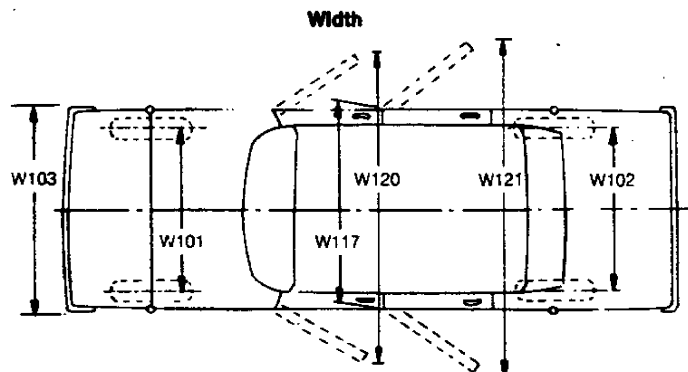
Fiducial Mark Number *	Define Coordinate Location	(mm)	
Front	<p>X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE-FRONT, MEASURED HORIZONTALLY FROM THE BASE GRID LINE TO THE FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.</p> <p>Y - FIDUCIAL MARK TO CENTERLINE OF CAR-FRONT, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.</p> <p>Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE-FRONT, MEASURED VERTICALLY FROM BASE GRID LINE TO FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.</p>		
Rear	<p>X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE-REAR MEASURED HORIZONTALLY FROM BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.</p> <p>Y - FIDUCIAL MARK TO CENTERLINE OF CAR-REAR, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON THE REAR UNDERBODY CROSSBAR.</p> <p>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.</p>		
Fiducial Mark Number	Coordinate Location of Fiducial Mark	Fiducial Mark to Ground at Curb	(mm)
Front	X 761 (30.0) Y 564 (22.2) Z -10 (-.4)	342 (13.5in)	
Rear	3 338 (131.4) 534 (21.0) 116 (4.6)	467 (18.4in)	

*Reference - SAE Recommended Practice, J182, A Motor Vehicle Fiducial Marks - September, 1973

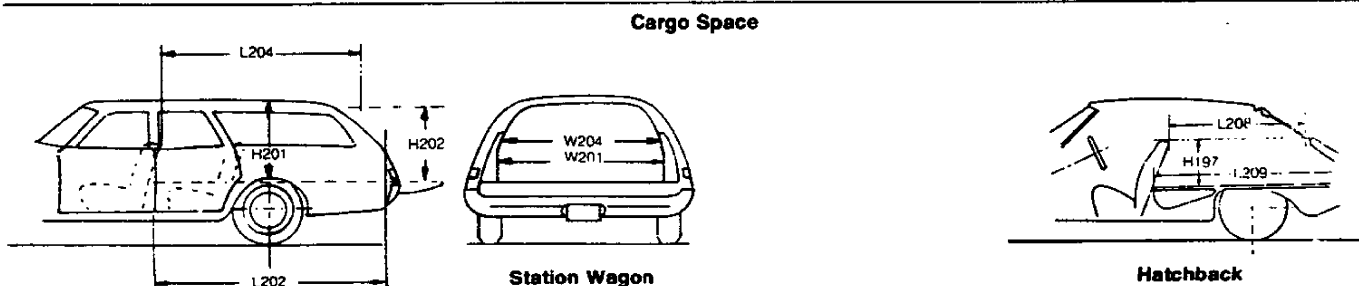
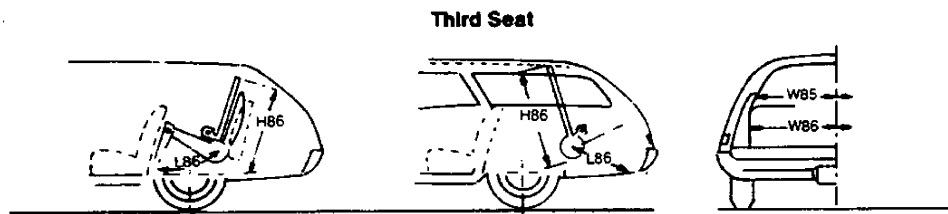
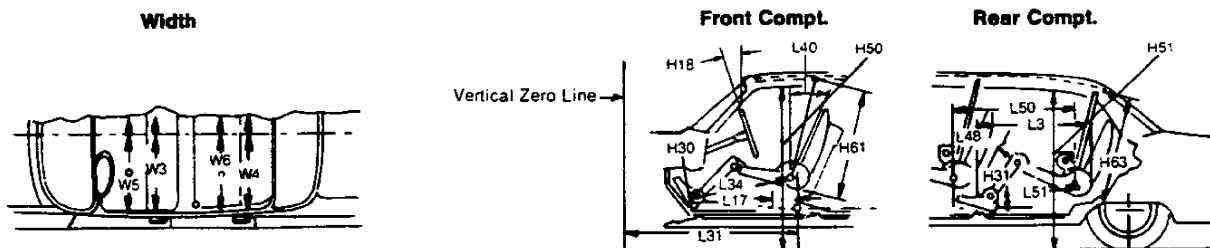
MVMA Specifications Form Passenger Car

METRIC

Exterior Car And Body Dimensions — Key Sheet



Interior Car And Body Dimensions — Key Sheet



MVMA Specifications Form

Passenger Car

METRIC

Exterior Car And Body Dimensions — Key Sheet

Dimension Definitions

Width Dimensions

- W101 WHEEL TREAD — FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD — REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT NO. 2 PILLAR. Measured across body at No. 2 pillar, excluding hardware and applied moldings.
- W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN is measured to outside of sheet metal with front doors in maximum hold-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN is measured in same manner as W120.

Length Dimensions

- L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (—) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG — FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG — REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L125 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

Height Dimensions

- H101 OVERALL HEIGHT — DESIGN. Measured with the vehicle in Manufacturer's Design Mass attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.

- H112 ROCKER PANEL TO GROUND — FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED — FRONT is the same point on the door as H132 dimension, with door closed.
- H111 ROCKER PANEL TO GROUND — REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED — REAR is measured in same manner as H133.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by a 457 mm chord.
- H125 HEADLAMP CENTERLINE TO GROUND is measured vertically to the center of the upper lamp.
- H126 TAILLAMP CENTERLINE is measured vertically from ground to the centerline of the upper bulb.

Ground Clearance Dimensions

- H102 BUMPER TO GROUND — FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND — REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND is a minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

MVMA Specifications Form Passenger Car

METRIC

Interior Car And Body Dimensions — Key Sheet Dimension Definitions

Front Compartment Dimensions

- L31 H POINT TO VERTICAL ZERO LINE — FRONT is a horizontal dimension.
- H61 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 102 mm, measured along a line 8° to rear of vertical.
- H75 EFFECTIVE T POINT HEADROOM — FRONT. The arc dimension from the T Point to the headlining plus 762 mm.
- L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 254 mm. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the H-point—front within the belt line to 254 mm above the H-point—front.
- W5 HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the H-point—front within 25 mm below and 76 mm above the H-point height and 76 mm fore and aft of the H-point.
- H50 UPPER BODY OPENING TO GROUND — FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
- H18 STEERING WHEEL ANGLE — VERTICAL. The angle measured from a vertical to the surface plane of the steering wheel.
- L40 BACK ANGLE — FRONT. The angle measured between a vertical line through the H-Point-Front and the torso line.

Rear Compartment Dimensions

- L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63 EFFECTIVE HEAD ROOM — REAR. The dimension from the H Point to the headlining, plus a constant of 102 mm measured along a line 8° to rear of vertical.
- H76 EFFECTIVE T POINT HEADROOM — REAR. Measured in the same manner as H75.
- L51 MINIMUM EFFECTIVE LEG ROOM — REAR. Measured along a diagonal line from the ankle pivot center to the H

Point plus a constant of 254 mm, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.

- H31 H POINT TO HEEL POINT — REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L48 KNEE CLEARANCE. The minimum dimension measured from the knee pivot center to the back of front seatback minus 50 mm.
- L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the H-point—second within 254 - 406 mm above the H-point—second.
- W6 HIP ROOM—SECOND. Measured in the same manner as W5.
- H51 UPPER BODY OPENING TO GROUND — REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 330 mm forward of the H Point.

Luggage Compartment Dimensions

- V1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic decimetres (litres) with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

Station Wagon — Third Seat Dimensions

- W85 SHOULDER ROOM—THIRD. Measured in the same manner as W4.
- W86 HIP ROOM—THIRD. Measured in the same manner as W5.
- L86 EFFECTIVE LEG ROOM — THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 254 mm. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86 EFFECTIVE HEAD ROOM — THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 102 mm. Measured along a line 8° to rear of vertical.
- H89 EFFECTIVE T POINT HEADROOM — THIRD SEAT. Measured in the same manner as H75.

MVMA Specifications Form

Passenger Car

METRIC

Interior Car And Body Dimensions — Key Sheet

Dimension Definitions

Station Wagon — Cargo Space Dimensions

- L202** CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204** CARGO LENGTH AT BELT — FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201** CARGO WIDTH — WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings at floor level.
- W204** OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201** MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202** REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.
- V2** CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic metres above the normal load floor and behind the front seat with the liftgate and tailgate closed.

$$\frac{W4 \times L204 \times H201}{10^3}$$

Hatch Back — Cargo Space Dimensions

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

- H197** FRONT SEAT BACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seat back to the undeepressed floor covering.
- L208** CARGO LENGTH AT FRONT SEAT BACK HEIGHT. The horizontal dimension measured from the top rear of front seat back to the inside limiting interference of the hatch back door on the car centerline.
- L209** CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension measured at floor level from the rear of the front seat back to the normal limiting interference of the hatch back door on the car centerline.
- V3** HATCH BACK — CARGO INDEX VOLUME. Hatch back cargo index volume is to be determined by the following formula, and expressed in terms of cubic decimetres (litres).

$$\frac{L208 + L209}{2} \times W4 \times H197 \times 10^6$$

MVMA Specifications Form Passenger Car

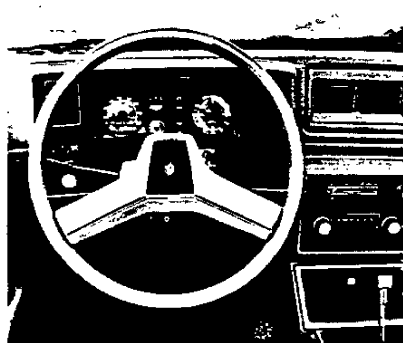
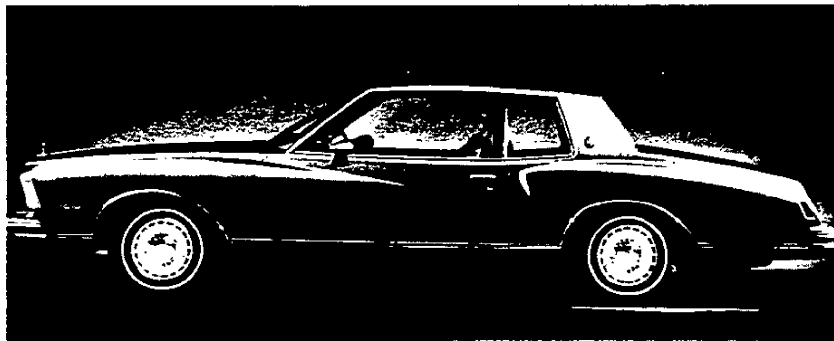
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SEE WHAT'S
NEW TODAY
IN A
CHEVROLET.



MONTE CARLO

FABRIC/PAINT/ VINYL ROOF SELECTOR

FABRIC COLORS

Seat, Headliner and Door Trim Color	Black	Blue	Camel	Carmine	Green	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Camel	Carmine	Green	Black	Blue	Carmine	Green

SEAT AND FABRIC APPLICATIONS

Model	Seat Type								
COUPE	Cloth Bench	•	•	•	•	•			
	Vinyl Bench		•	•	•		•	•	•
	Vinyl Bucket		•	•	•		•	•	•
	Special Custom Vinyl 55/45			•	•		•	•	•
	Special Custom Cloth 55/45		•	•	•				

PAINT COLORS

Exterior Paint Color	Color Code											
	L	U										
Black	19	19	R	A	R	R	A	R		R		
Blue, Dark (Met.)	29	29	A	R	A			A	R			
Blue, Light (Met.)	22	22	A	R				A	R			
Blue, Light	21	21	A	R				A	R			
Camel (Met.)	63	63	A		R			A				
Camel, Dark (Met.)	69	69	A		R			A				
Camel, Light	61	61	R		R	A		A				
Carmine (Met.)	77	77	A		A	R		A		R		
Carmine, Dark (Met.)	79	79	A		R	R		A		A		
Green, Light (Met.)	44	44	A		A		R	A				R
Green, Medium (Met.)	45	45	A		A		R	A				R
Saffron (Met.)	67	67	R		A			R				
Silver	15	15	R	A		R		R				
White	11	11	R	R	R	R	R	R	R	R	R	R

L = Lower U = Upper

VINYL ROOF APPLICATIONS

Vinyl Roof Colors	Color Code	Paint Colors	
		Recommended	Acceptable
Black	BB	11, 15, 19, 61, 67	21, 22, 29, 44, 45, 63, 77, 79
Blue, Light (Met.)	DD	11, 21, 22, 29	19
Camel, Light	CC	61, 63, 69	11, 19, 67
Carmine, Dark (Met.)	RR	79	77
Green, Light (Met.)	GG	11, 44, 45	19
Silver	QQ	15, 19	77
White	WW	All exterior colors except 15, 61, 69, 79	15, 61, 69, 79

Vinyl Roof Selection is required when ordering Landau Option.

PLEASE NOTE: The exterior and interior combinations shown in the charts above 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.

CONSULT DEALER ORDER GUIDE FOR SPECIFIC APPLICATIONS



Chevrolet welcomes your prospect's appraisal of the third generation Monte Carlo . . . a car thoroughly and thoughtfully redesigned, yet clearly retaining the distinctive sculptured elegance of Monte Carlo's heritage. A car beautifully in tune with the times, yet emphatically apart from the crowd. We think it's the finest Monte Carlo ever. It deserves their serious consideration.

They will expect luxurious appointments in the new Monte Carlo, and they won't be disappointed. From the pullstraps on the doors to the fully carpeted floors, the "driver's suite" engulfs you in elegance. The spaciousness will surprise them. There's more head room this year than last. And considerably more front and rear leg room. Over three inches more, as a matter of fact.

Monte Carlo has always been, and continues to be a driver's car. Owners praise its precise and graceful roadability. And now, thanks to reduced overhang and a shortened turning diameter, the car gains a new measure of manageability in city driving and parking.

The 231 CID standard V6 represents a unique blend of six-cylinder and V8 characteristics. The

engine block, cylinder head and manifolds are cast-iron tough. The V6 configuration makes the engine more compact than a conventional V8 and lighter than the conventional in-line Six. The result is more horsepower per inch of cubic displacement as well as impressive EPA fuel economy. Even cylinder firing and dynamic crankshaft balancing help make the new V6 remarkably smooth—truly the right kind of engine for today's kind of driving.

Another design highlight is the new compact spare tire—one of the reasons for this year's extra trunk space in Monte Carlo. It's mounted on a special lightweight wheel and, since it has much less bulk, you get more than 1.2 cubic feet of additional luggage room. And since it's significantly lighter and stores vertically, it's easier to get out of the trunk and install.

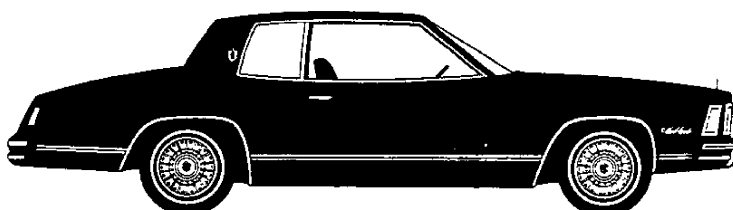
Monte Carlo prospects can learn a lot about this new version of America's most popular personal luxury car just by looking at it. But they'll never really know this magnificent automobile until they've spent ten or twenty minutes behind the wheel.

It's an experience they won't soon forget.

1978 MONTE CARLO



Landau Coupe



Sport Coupe

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

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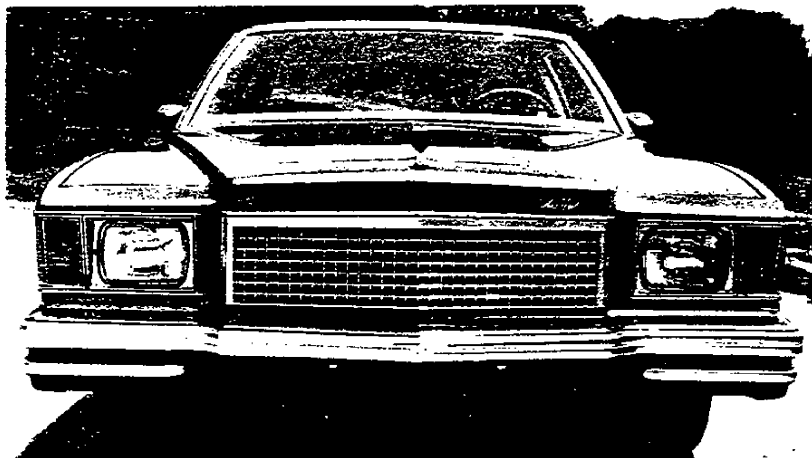
Also see Value Features section for additional details

See Dealer Order Guide for latest available information.

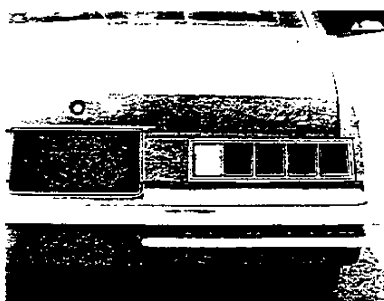
Monte Carlo/1

NEW MONTE CARLO FEATURES FOR 1978

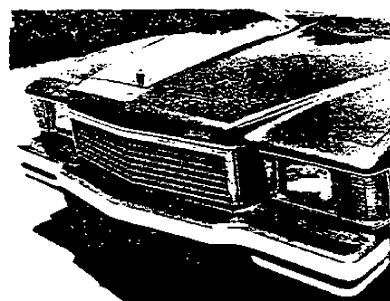
- Totally new 108.1" wheelbase Monte Carlo for '78 combines a new look of elegance with traditional Monte Carlo styling
- Elegant, new profile features distinctive roof styling with large, formal quarter window
- New integrated front appearance features new grille, new single rectangular headlights and soft fascia body-colored front bumper with impact strips
- New rear styling features five-segment, bright-accented taillights plus soft fascia body-color bumper with bright-accented impact strips
- 231 cu. in. V6 engine standard
- Choice of 14 exterior colors (9 new for '78)
- Seven vinyl roof cover color choices available (4 new for '78)
- New interior trim and appointments including new instrument panel and steering wheel
- Single loop front seat belt system with concealed retractors activated when doors are opened
- New one-piece carpeting
- New Special Custom Interior with 55/45 front seat available
- Formed headliner has smooth appearance and luxurious soft feel
- 4-speed manual transmission available (except Landau)
- New power-operated radio antenna automatically extends full height when the radio is on and antenna switch in the up position. Antenna automatically lowers when radio ignition is turned off.
- New wire wheel covers available



New Integrated Front Styling



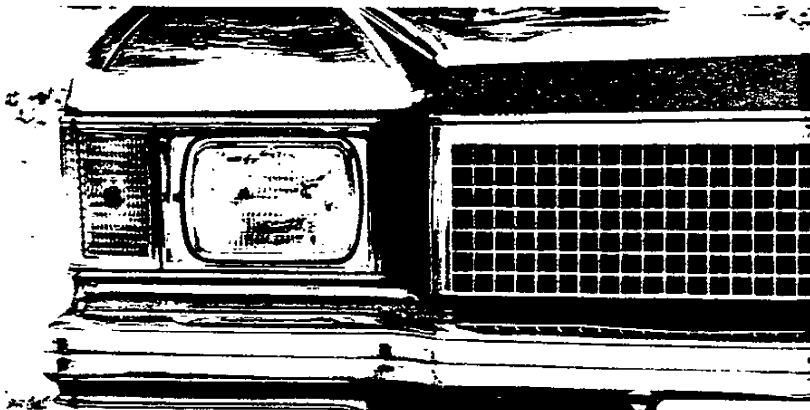
New Monte Carlo Five-Segment Taillight Styling



Body-Colored Soft Fascia Front Bumper With Bright Impact Strips



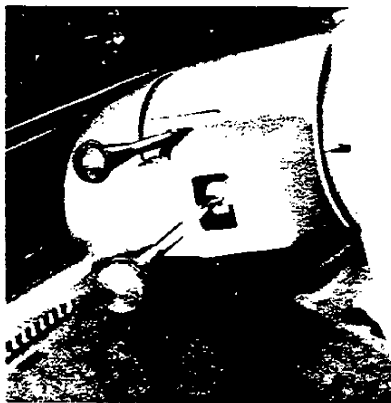
New Formal Rear Quarter Window Styling



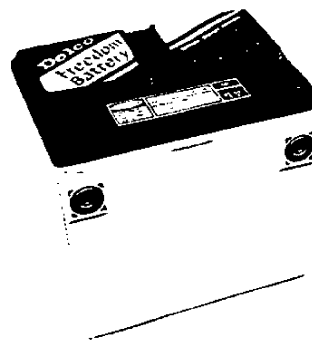
New Single Rectangular Headlight Styling



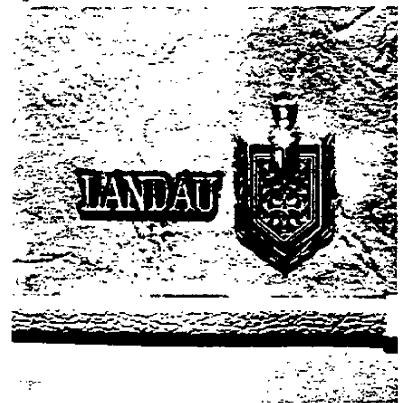
Monte Carlo Instrument Panel with Special Instrumentation



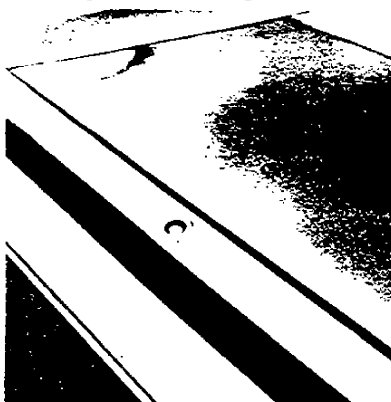
Column-Mounted Lever for Turn Signal and Headlight Dimmer



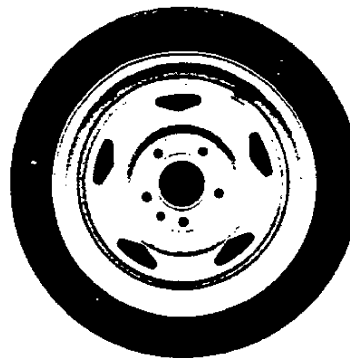
New Delco Freedom Battery That Never Needs Water



New "Landau" Nameplate



New Power-Operated Radio Antenna Available



New Compact Spare Tire for Added Luggage Space

The new Monte Carlo standard compact spare tire is approximately 30% lighter and contributes to over a cubic foot of additional usable luggage space compared to a regular spare tire. It is easier to handle and install, and when properly inflated (60 psi) is designed for up to 3,000 miles of tread life at speeds up to 50 miles per hour without any noticeable difference in ride.

STANDARD MONTE CARLO VALUE FEATURES CONTINUED FOR 1978

Engine/Chassis

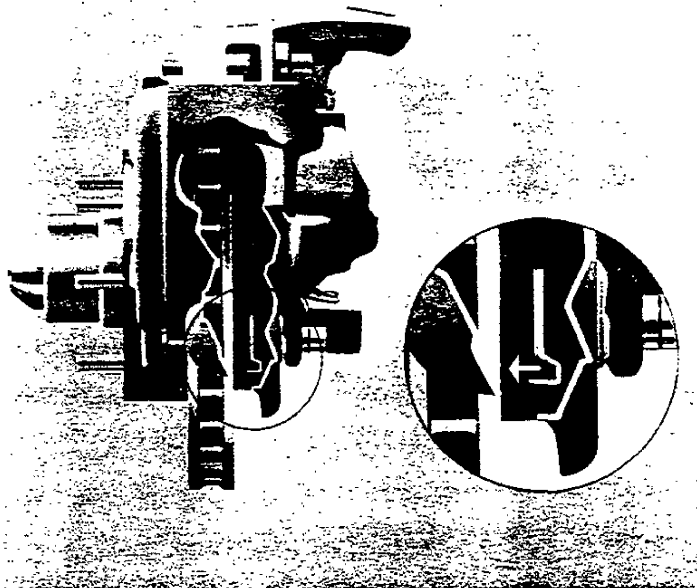
- Power steering and power brakes, automatic transmission standard on Landau
- Front disc/rear drum brake system
- Disc brake audible wear sensors
- Delcotron generator with built-in solid-state regulator
- Long recommended service intervals for oil change, oil filter, spark plugs, chassis lubrication and available automatic transmission fluid
- Perimeter frame
- Visible ball joint wear indicators on front suspension lower control arms
- High Energy Ignition system
- Coolant recovery system helps prevent costly coolant loss
- GM Specification steel-belted radial ply tires
- Early Fuel Evaporation systems on all engines for quick warm-up
- Full Coil suspension system with computer-selected springs
- Ride stabilizer bars, front and rear
- Forward-mounted recirculating ball steering gear and linkage
- Dual horns

Body

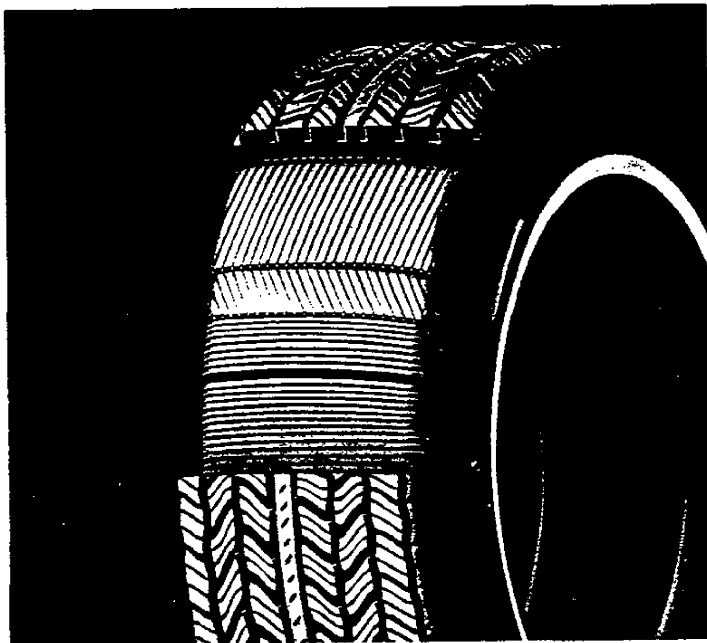
- Double-panel door, hood and deck lid construction
- Special acoustical quiet package
- Extensive anti-corrosion protection
- Flow-through ventilation system
- Hide-A-Way dual speed electric windshield wipers
- Non-articulated windshield wipers for quiet operation
- Cushioned body mounting system effectively isolates passenger area from road noise and vibration
- Inner fenders front and rear for corrosion protection

Interior

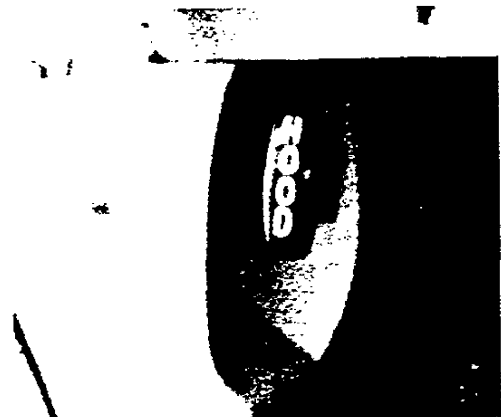
- Molded full foam seat construction
- Inside hood release for under-hood security
- Color-keyed cut pile carpeting
- Electric clock
- Day/night rearview mirror
- Color-keyed steering column and steering wheel
- Glove compartment lock and light



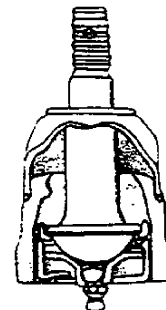
Front Disc Brake with Audible Wear Sensor



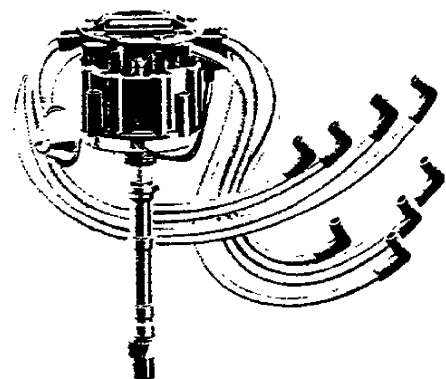
GM Specification Steel-Belted Radial Ply Tires



Convenient Inside Hood Release



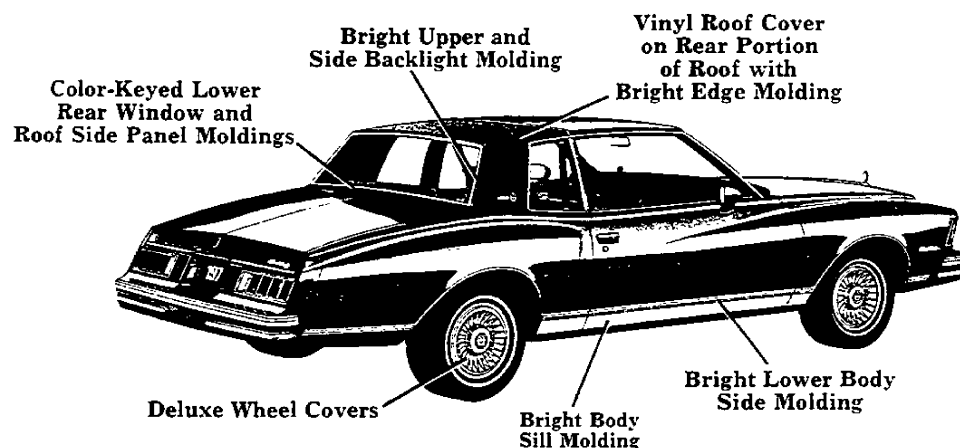
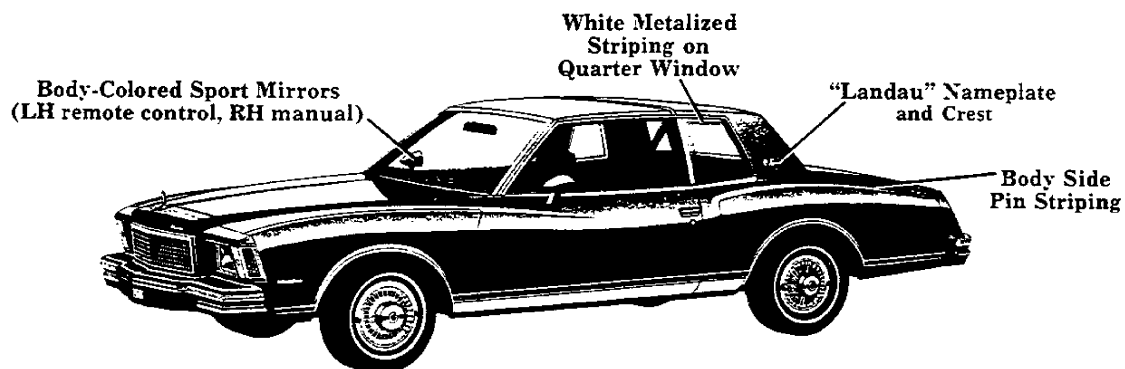
Front Suspension Ball Joint Wear Indicators



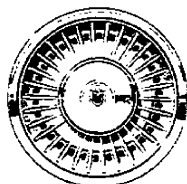
High Energy Ignition System

MONTE CARLO

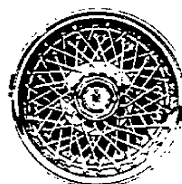
Landau Coupe



Special Landau features shown in addition to Monte Carlo standard features. Landau also includes power brakes, power steering, automatic transmission and visor vanity mirror.



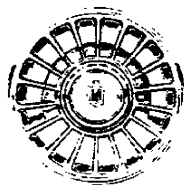
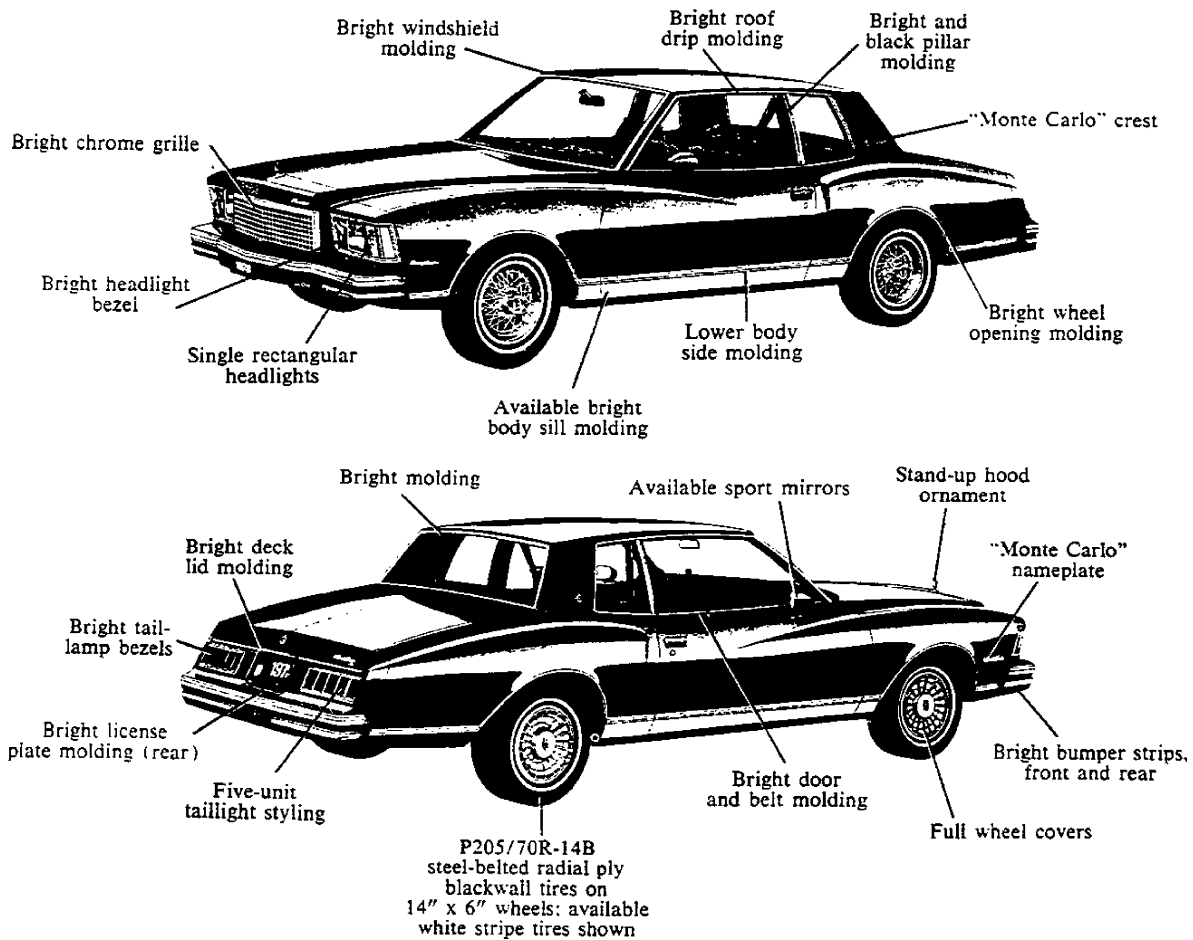
Standard Deluxe Wheel Cover



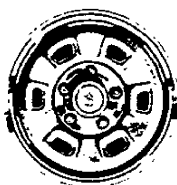
Available Wire Wheel Cover (RPO N95)

MONTE CARLO

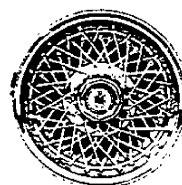
Sport Coupe



Standard Monte Carlo Wheel Cover



Available Rally Wheel (RPO Z17)



Available Wire Wheel Cover (RPO N95)

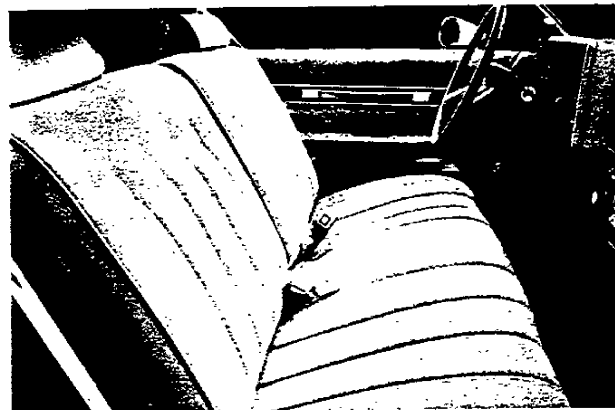
INTERIOR FEATURES



Monte Carlo and Landau available Special Custom Interior with 55/45 seat



Monte Carlo and Landau available bucket seats in all vinyl



Monte Carlo and Landau standard knit cloth bench seat

INTERIOR FEATURES	Monte Carlo Landau	Monte Carlo
Special Custom Interior with 55/45 passenger seat	EC	EC
Strato-bucket front seats	EC	EC
All-Vinyl interior	EC	EC
Bench seat in knit cloth	S	S
Color-keyed seat and shoulder belts (included with Special Custom Interior)	EC	EC
Cloth headlining with foam backing	S	S
Full foam seat construction	S	S
Rear quarter panel with integral armrest	S	S
Rear compartment ashtray in driver's seat back	S	S
Door panels with integral armrests and soft trim upper panel	S	S
Color-keyed nylon cut-pile carpeting	S	S
Luggage compartment mat and light	S	S
S—Standard; EC—Extra Cost		

INSTRUMENT PANEL



Monte Carlo instrument panel with available air conditioning, Gage Package and AM Radio.

INSTRUMENT PANEL FEATURES	Monte Carlo	
	Landau	Monte Carlo
Color-keyed instrument panel, steering wheel and column	S	S
Cigarette lighter	S	S
Day-night rearview mirror	S	S
Electric clock	S	S
Soft-rim steering wheel	S	S
Dual horns	S	S
Ashtray light	S	S
Glove compartment light	S	S
Instrument panel courtesy lights	S	S
Inside hood release	S	S
Glove compartment lock	S	S
Automatic interior light switches on doors	S	S
S—Standard; EC—Extra Cost		

1978 MONTE CARLO COLOR SELECTIONS

To help you select the specific interior trim and color on your 1978 Monte Carlo model, there are three distinct trim types. A sample of each trim type, in one of the available colors, is shown below along with a list of other color selections. All 14 exterior colors are also shown.

INTERIOR TRIMS



Monte Carlo Special Custom Cloth. Blue (shown), Camel, Carmine.



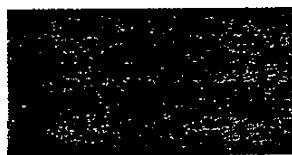
Monte Carlo Cloth. Black, Blue, Green (shown), Camel, Carmine.



Monte Carlo and Monte Carlo Special Custom All-vinyl. Camel, Carmine (shown), White, Blue, Monte Carlo only.

EXTERIOR COLORS—All Models

11—White



***15—Silver**



19—Black



***21—Light Blue**



22—Light Blue Metallic

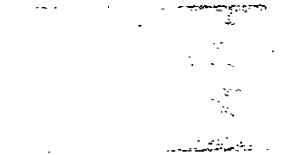


29—Dark Blue Metallic



44—Light Green Metallic

***45—Medium Green Metallic**



***61—Light Camel**



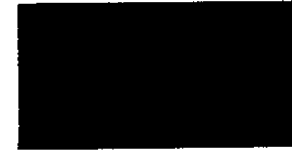
***63—Camel Metallic**



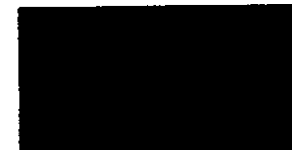
***67—Saffron Metallic**



***69—Dark Camel Metallic**



***77—Carmine Metallic**



***79—Dark Carmine Metallic**

*New color for 1978

See Dealer Order Guide for latest available information.

COLOR AND TRIM COMBINATIONS

EXTERIOR COLOR	CODE	INTERIOR COLOR	MONTE CARLO SPECIAL CUSTOM 55/45 Seat.			MONTE CARLO Standard Seat, plus available Bucket Seats with Blue, Camel or Carmine all-vinyl trim.					SPECIAL CUSTOM with 55/45 Seat. STANDARD INTERIOR Standard Seat or available Bucket Seats. Instrument panel, carpet, cowl side panel and rear shelf are second color.			
			BLUE Special Custom Cloth	CAMEL Special Custom Cloth	CARMINE Special Custom Cloth	BLACK Cloth	BLUE Cloth	GREEN Cloth	CAMEL Cloth	CARMINE Cloth	WHITE W/BLACK All-Vinyl	WHITE W/BLUE All-Vinyl	WHITE W/GREEN All-Vinyl	WHITE W/CARMINE All-Vinyl
WHITE	11		X	X	X	X	X	X	X	X	X	X	X	X
SILVER	15		X		X	X	X			X	X			
BLACK	19		X	X	X	X	X	X	X	X	X			X
LIGHT BLUE	21		X			X	X				X	X		
LIGHT BLUE METALLIC	22		X			X	X				X	X		
DARK BLUE METALLIC	29		X	X		X	X		X		X	X		
LIGHT GREEN METALLIC	44			X		X		X	X		X		X	
MEDIUM GREEN METALLIC	45			X		X		X	X		X		X	
LIGHT CAMEL	61			X	X	X			X	X	X			
CAMEL METALLIC	63			X		X			X		X			
SAFFRON METALLIC	67			X		X			X		X			
DARK CAMEL METALLIC	69			X		X			X		X			
CARMINE METALLIC	77			X	X	X			X	X	X			X
DARK CARMINE METALLIC	79			X	X	X			X	X	X			X

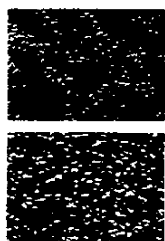
STANDARD INTERIOR TRIM GUIDE

- Knit cloth seat trim and bench seats standard on all models.
- All other combinations are available options, including All-vinyl trim on standard seat, All-vinyl trim and bucket seats, Special Custom Cloth trim with 55/45 seat, and All-vinyl trim with Special Custom interiors.

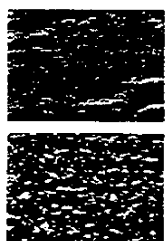
VINYL ROOF COVERS Monte Carlo Landau and Monte Carlo Landau. Elk-grain (top). All others Levant-grain (bottom).



BLACK
With all exteriors
except 69



BLUE*
With 11, 19, 21,
22, 29 exteriors



GREEN*
With 11, 19, 44,
45 exteriors



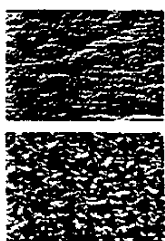
WHITE
With all exteriors



CAMEL
With 11, 19, 61, 63,
67, 69 exteriors



CARMINE*
With 77, 79
exteriors



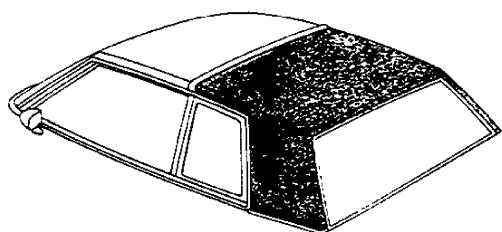
SILVER*
With 15, 19, 77
exteriors

* Metallic

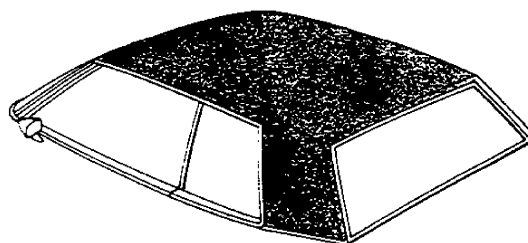
See Dealer Order Guide for latest available information.

Monte Carlo/11

EXTERIOR DECOR



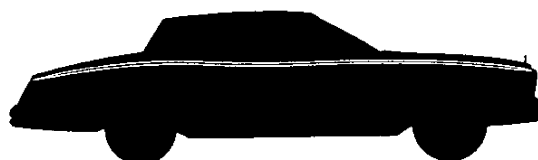
Monte Carlo Landau standard vinyl roof cover. Available in Elk grain vinyl in seven colors.



Full vinyl roof cover for Monte Carlo. Available in Levant grain vinyl in seven colors.



Deluxe body side moldings (RPO BW2) Bright edged with Color-keyed vinyl insert. Available for Monte Carlo and Monte Carlo Landau.



Pin Striping (RPO D85) On body sides and fenders. Available in eight dual stripe colors. Standard on Monte Carlo Landau.

BODY SIDE MOLDING & PIN STRIPING COLORS WITH VINYL ROOF

			VINYL ROOF COLOR						
Exterior Color	Code		Black BB	Light Blue (Met) DD	Light Camel CC	Dark Carmine (Met) RR	Light Green (Met) GO	Silver QQ	White WW
Black	19	Molding	Black	Blue	Black	—	Green	Silver	White
		Stripe	Gold	Blue	Gold	—	Green	Silver	White
Blue, Dark (Metallic)	29	Molding	Black	Blue	—	—	—	—	White
		Stripe	Silver	Blue	—	—	—	—	White
Blue, Light (Metallic)	22	Molding	Black	Blue	—	—	—	—	Blue
		Stripe	Black	Blue	—	—	—	—	White
Blue, Light	21	Molding	Blue	Blue	—	—	—	—	White
		Stripe	Black	Blue	—	—	—	—	White
Camel (Metallic)	63	Molding	Camel	—	Camel	—	—	—	White
		Stripe	Gold	—	Gold	—	—	—	White
Camel, Dark (Metallic)	69	Molding	—	—	Camel	—	—	—	White
		Stripe	—	—	Gold	—	—	—	White
Camel, Light	61	Molding	Black	—	Camel	—	—	—	White
		Stripe	Gold	—	Buckskin	—	—	—	White
Carmine (Metallic)	77	Molding	Carmine	—	—	Carmine	—	—	White
		Stripe	Red	—	—	Red	—	—	White
Carmine, Dark (Metallic)	79	Molding	Carmine	—	—	Carmine	—	—	Carmine
		Stripe	Gold	—	—	Gold	—	—	White
Green, Light (Metallic)	44	Molding	Green	—	—	—	Green	—	White
		Stripe	Green	—	—	—	Green	—	White
Green, Medium (Metallic)	45	Molding	Green	—	—	—	Green	—	White
		Stripe	Gold	—	—	—	Green	—	Green
Saffron (Metallic)	67	Molding	Black	—	Black	—	—	—	White
		Stripe	Black	—	Gold	—	—	—	White
Silver	15	Molding	Black	—	—	—	—	Silver	White
		Stripe	Black	—	—	—	—	Red	White
White	11	Molding	Black	Blue	Camel	—	Green	Silver	White
		Stripe	Black	Blue	Gold	—	Green	Black	Gold

BODY SIDE MOLDING & PIN STRIPING COLORS WITHOUT VINYL ROOF

Exterior Color	Code		Body Side Molding (RPO BW2)	Stripe (RPO D85)
	L	U		
Black	19	19	Black	Gold
Blue, Dark (Metallic)	29	29	Black	Silver
Blue, Light (Metallic)	22	22	Blue	Blue
Blue, Light	21	21	Blue	Blue
Camel (Metallic)	63	63	Camel	Gold
Camel, Dark (Metallic)	69	69	Black	Gold
Camel, Light	61	61	Camel	Buckskin
Carmine (Metallic)	77	77	Carmine	Red
Carmine, Dark (Metallic)	79	79	Carmine	Gold
Green, Light (Metallic)	44	44	Green	Green
Green, Medium (Metallic)	45	45	Green	Gold
Saffron (Metallic)	67	67	Black	White
Silver	15	15	Silver	Red
White	11	11	White	Gold

L=Lower U=Upper

AVAILABLE OPTIONS

APPEARANCE FEATURES	RPO Number	Landau Coupe	Sport Coupe
Belts, Deluxe Color-Keyed Seat and Shoulder: Included with Special Custom Interior	AK1	•	•
Floor Covering: Mats, color-keyed, 2 front and 2 rear	B37	•	•
Luggage Compartment Trim, Deluxe	B48	•	•
Moldings: Body side, deluxe	BW2	•	•
Door edge guard	B93	•	•
Wide lower body side	BX2	S	•
Roof Cover, Vinyl: (See Color and Trim Selections)	—	S	•
Striping, Body Side Pin	D85	S	•
Trim, Interior: Special Custom Interior with 55/45 seat. (See Color and Trim Selections)	—	•	•
Wheel Equipment: Rally Wheels	ZJ7	NA	•
Wire wheel covers	N95	•	•
COMFORT/CONVENIENCE			
Air Conditioning: Includes 61-amp generator, Four-Season	C60	•	•
Brakes, Power: Required with V8 engine, V6 w/air conditioning	J50	S	•
Console: Available only with bucket seats, floor shift	D55	•	•
Container, Litter	D24	•	•
Defogger, Rear Window: Electro-Clear. Includes 61-amp generator	C49	•	•
Door Lock System, Power	AU3	•	•
Gage Package: Includes temperature, voltmeter and oil pressure gages	UF7	•	•
Glass, Soft-Ray Tinted: All windows	A01	•	•
Instrumentation, Special: Includes tachometer, voltmeter, temperature and oil pressure gages	U14	•	•
Light, Dome Reading	C95	•	•
Lighting, Auxiliary: Includes: Automatic time-delay dome light, Luggage compartment light, Underhood light, Headlight reminder buzzer	ZJ9	•	•
Mirrors: Remote-control outside rearview, LH	D33	NA	•
Sport, LH remote-control and RH manual	D35	S	•
Sport Twin remote-control	D68	•	•
Visor vanity	D34	S	•
Visor vanity, illuminated	D64	•	•
Radio Equipment: AM radio	U63	•	•
AM/FM radio	U69	•	•
AM/FM stereo radio	U58	•	•
Stereo tape system with AM radio	UM1	•	•
Stereo tape system with AM FM stereo radio	UM2	•	•
Dual front speakers	UX6	•	•
Rear seat speaker (available only with AM or AM/FM radios)	U80	•	•
Power antenna	U75	•	•
Windshield antenna. Included with factory-installed radio and without power antenna	U76	•	•

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

See Options Section for Additional Details and Illustrations.

Monte Carlo/13

**COMFORT/
CONVENIENCE (Cont'd)**

	RPO Number	Landau Coupe	Sport Coupe
Roof Panels, Removable Glass: With twin removable tinted glass panels	CC1	•	•
Seat Equipment: Power front seat—6-way control. NA with bucket seats; driver's side only with 55/45 seat	A42	•	•
Strato-bucket seats (See Color and Trim Selections)	—	•	•
Sky Roof, Power: With sliding tinted glass panel	CA1	•	•
Speed Control, Cruise-Master: Available with automatic transmission only	K30	•	•
Steering, Power: Required with V8 engine	N41	S	•
Steering Wheel, Comfortilt	N33	•	•
Trunk Opener, Power	A90	•	•
Windows, Power	A31	•	•
Windshield Wiper System, Intermittent	CD4	•	•

ENGINES/TRANSMISSIONS

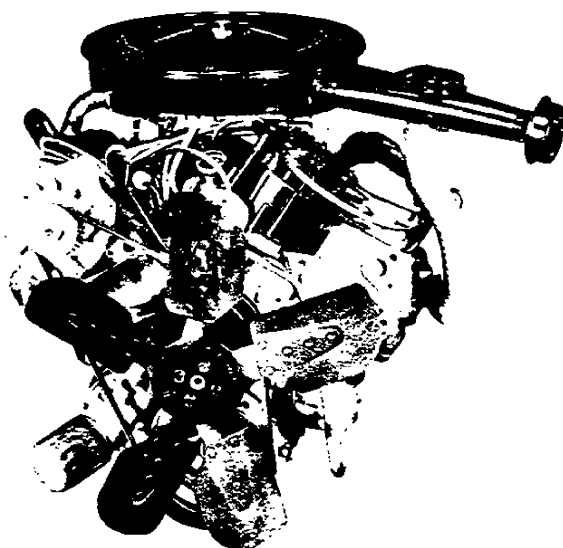
Emission Equipment: See Power Teams for availability. Standard Emission System	NA2	•	•
California Emission Certification	YF5	•	•
High Altitude Emission Equipment	NA6	•	•
Engine: 305 cu. in. V8	LG3	•	•
Transmissions: 4-Speed Manual (Requires Power Steering and Power brakes)	MM4	NA	•
Automatic (Requires Power Steering and Power brakes)	MX1	S	•

CHASSIS/MECHANICAL

Axles: Performance ratio	G92	•	•
Positraction (Includes Stowaway Spare Tire)	G80	•	•
Battery, Heavy-Duty Freedom	UA1	•	•
Generator, 61-amp Delcotron: Included with air conditioning or Electro-Clear rear defogger	K76	•	•
Radiator, Heavy-Duty	V01	•	•
Suspension Equipment: Heavy-duty front and rear suspension. Includes front and rear springs and matching shock absorbers	F40	•	•
Tires: P205/70R-14B steel-belted radial ply wide white stripe	QFK	•	•

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

POWER TEAMS



Standard 231 cu. in. V6 Engine

ALL STATES EXCEPT CALIFORNIA

ALL STATES EXCEPT CALIFORNIA							
Engines	Power Rating†	Engine Availability	Transmissions / Rear Axle Ratios				Ring Gear Size
		All Models	3-Speed Manual (STD.)*	4-Speed Manual (RPO MM4)	Automatic (RPO MX1**)		
					Below 4,000 Ft.	4,000 Ft. and Above	
231 cu. in. V6	105	STD.	2.93	2.93	2.56	NA	7½"
305 cu. in. V8	145/135▲	RPO LG3	NA	2.73	2.29++	2.56	7½"

CALIFORNIA ONLY

231 cu. in. V6	105	STD.	NA	NA	2.73	NA	7½"
305 cu. in. V8	135	RPO LG3	NA	NA	2.29††	NA	7½"

*S.A.E. net horsepower as installed. *Standard on Sport Coupe only; not available on Landau.

**Standard on Landau. ††2.73 Performance Ratio available (RPO G92). ▲Rating with High Altitude Emission Equipment.
STD.—Standard. NA—Not Available.

SPECIAL NOTE: California Emission Equipment required for registration in California. In other States, High Altitude Emission Equipment may be required in areas 4,000 feet or more above sea level.

See EPA section for mileage estimates.

BODY/CHASSIS FEATURES

Standard On 1978 Monte Carlo

Body Structure & Features

- All-welded heavy-gage steel body construction with cowl, roof, underbody and body panels precision welded to form rigid body shell
- Rugged box-section design roof rails, windshield and rear window headers, door and roof pillars
- Heavy-gage steel roof panel with double-flanged channel-crossed reinforcing bows
- High-strength double-walled cowl unit-welded to instrument panel, floor, and dash panel
- Heavily ribbed and formed underbody with transverse stiffeners welded to underbody and body sills
- Double panel door, hood and deck lid
- Counterbalanced hood, deck lid
- Front and rear inner fenders for corrosion protection
- Flow-thru ventilation system
- Cushioned body mounting system effectively isolates passenger area from road noise and vibration
- Bolt-on front-end sheet metal cushion-mounted to frame and radiator support assembly
- Hide-A-Way dual-speed electric windshield wipers
- Inside hood release
- Acoustical quiet package

Chassis Features

- Power steering and power brakes, automatic transmission

standard on Landau

- Front disc/rear drum brake system
- Disc brake audible wear sensors
- Vented front disc brake rotors and finned rear brake drums for fast cooling
- Delcotron generator with built-in solid-state regulator
- Long recommended service intervals for oil change, oil filter, spark plugs, chassis lubrication and available automatic transmission fluid
- Visible ball joint wear indicators on front suspension lower control arms
- Tire wear indicators
- Delco Freedom battery never needs water. Sealed side terminals help prevent corrosion buildup
- Perimeter frame
- Full Coil suspension system with computer-selected springs
- Ride stabilizers front and rear
- Forward-mounted recirculating ball steering gear and linkage
- Independent coil-spring spherical joint front suspension (short and long arm type) with quiet, low-friction non-metallic spherical joint liners and built-in anti-dive control
- Four-link type rear suspension with dual bias-mounted upper control arms and parallel-mounted lower control arms
- Direct double-acting sealed-unit hydraulic shock absorbers
- P205/70R-14B steel-belted radial ply blackwall tires and 14" x 6" wheels

(Information for this page will be forwarded at a later date)

DIMENSIONS/ SPECIFICATIONS

EXTERIOR DIMENSIONS	Coupe and Landau
Wheelbase	108.1
Length (overall)	200.4
Width (overall)	71.5
Height (loaded)	53.9
Front tread	58.5
Rear tread	57.8
Minimum ground clearance	4.8
INTERIOR ROOMINESS	
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	55.2
Shoulder room—rear	55.9
LUGGAGE COMPARTMENT	
Liftover height	29.6
Usable luggage space (cu. ft.)	16.1
RATED FUEL TANK CAPACITY (gallons)	17.5
CURB WEIGHT (pounds)	
Monte Carlo Sport Coupe	3205
Monte Carlo Landau Coupe	3238

1978 MONTE CARLO Coupe

Recommended Ordering Information

General Styling Information

For 1978, the Monte Carlo features the most complete styling change since its introduction, and while the look is new, the sweeping horizontal sculpturing and overall silhouette leave no doubt that this is still America's most popular personal luxury car.

The 1978 Monte Carlo is slimmer and trimmer in length than last year, yet front and rear seat head and leg room have all been increased substantially—in fact, rear seat leg room is increased by more than 3½ inches! Its wheelbase is 108"—but overall length is over 200 inches. That's a foot shorter than last year, but still long enough to retain the familiar silhouette.

MODELS

MONTE CARLO	Model Number
Monte Carlo Sport Coupe	1AZ37
Monte Carlo Landau Coupe	1AZ37/Z03

POWER TEAMS

Engine	Engine Availability	3 Speed	4 Speed	Automatic Transmission
231 2-barrel V6	RPO	RPO	RPO	RPO
	LD5 Std. (1)	M15 Std. (2)	M20 (2)	M40
305 2-barrel V8	RPO		RPO	RPO
	LG3	NA	M20 (1,2)	M40

(1) NA with NA6 High Altitude Emission Equipment.

(2) NA with YF5 California Emission Equipment.

Refer to Dealer Order Guide
for option availability and
application.

NEW STANDARD FEATURES

- Totally new 108" wheelbase Monte Carlo for '78 combines a new look of elegance with traditional Monte Carlo styling and personal luxury car features.
- Classic, new profile features distinctive roof styling with large, formal quarter window and sweeping, sculpted body appearance.
- New highly integrated front appearance features new grille, new single rectangular headlights and soft fascia body-colored front bumper with bright-accented impact strips.
- New rear styling features five-segment, bright-accented taillights and moldings plus soft fascia body-color bumper with bright-accented impact strips.
- Choice of 14 exterior colors (9 new for '78).
- New charcoal filter between inlet manifold and power brake vacuum booster.
- New interior trim and appointments including new instrument panel and steering wheel.
- New improved carburetor vapor recovery system.
- New standard 231 2-barrel V6 engine.

CONTINUED STANDARD FEATURES

- Variable-ratio power steering.
- Front disc/rear drum brake system.
- Disc brake audible wear sensors.
- GM Specification steel-belted radial ply tires.
- Molded full-foam seat construction.
- High Energy Ignition system.
- Delcotron generator with built-in solid-state regulator.
- Coolant recovery system.
- Radial-tuned Full Coil suspension.
- Ball joint wear indicators on front suspension lower control arms.

New 1978 Options

- Auxiliary Lighting (Includes new automatic time-delay dome light) . . . ZJ9
- Power Antenna U75
- Removable Glass Roof Panels CC1
- 4-Speed Manual Transmission M20
- Bright Body Sill Moldings BX2
- Wire Wheel Covers N95
- 55/45 Passenger Front Seat —

Introductory Advertising & Merchandising Model

To effectively tie in your Dealership's promotion activities to those cars featured in the early 1978 national advertising, you may wish to include the car described below for your display:

	Monte Carlo
	Coupe
Exterior	Dark Blue Metallic
Vinyl Roof	—
Interior	Blue Special Custom Cloth 55/45

Recommended optional equipment for featured car is Quick Spec #462A plus Sport Mirrors (D35) and AM/FM Stereo Radio (U58).

Refer to Dealer Order Guide
for option availability and
application.

Low Price Looker

Listed below is the suggested Low Price Looker option package . . . a base unit with a minimum group of appearance options.

Where your Announcement Day availability enables you to order a Low Price Looker model—it will provide you with a distinctive showroom display car at a low sticker price.

In instances where it is not practicable to order a Low Price Looker in Phase I or II, consider ordering one among your Phase III units for early post-announcement day showroom display.

Monte Carlo
1AZ37 (V6) Coupe
U63 AM Radio
QFK White Stripe Tires
BW2 Body Side Moldings
D85 Pin Striping
ZJ7 Rally Wheels
D35 Sport Mirrors

Available Options

Air Conditioning, Four-Season	C60	Radio Equipment:	
Axles:		AM Radio	U63
Performance Ratio	G92	AM/FM Radio	U69
Positraction	G80	AM/FM Stereo Radio	U58
Battery, Heavy-Duty	UA1	Speaker, Rear Seat	U80
Belts, Deluxe, Color-Keyed, Seat and Shoulder	AK1	Stereo Tape System with AM Radio	UM1
Brakes, Power	J50	Stereo Tape System with AM/FM Stereo Radio	UM2
Console	D55	Power Antenna	U75
Container, Litter	D24	Windshield Antenna	U76
Defogger, Rear Window, Electro-Clear	C49	Roof Cover, Vinyl (See Color and Trim Selections)	—
Door Lock System, Power	AU3	Roof Panels: Removable Glass	CC1
Gage Package	UF7	Seat Equipment, Power 6-way	A42
Generator, 61-amp Delcotron	K76	Sky Roof, Power	CA1
Glass, Soft-Ray Tinted	A01	Speed Control, Cruise-Master	K30
Instrumentation, Special	U14	Steering Wheel, Comfortilt	N33
Light, Dome Reading	C95	Steering, Power	N41
Lighting, Auxiliary	ZJ9	Striping, Pin: Body Side	D85
Mirrors:		Suspension Equipment:	
Rearview Outside, LH Remote	D33	Heavy-duty Front and Rear	F40
Sport, LH Remote and RH Manual	D35	Tires:	
Sport, Twin Remote	D68	P205/70—Steel-Belted Radial Ply Wide White Stripe	QFK
Visor Vanity	D34	Transmissions:	
Visor Vanity, Illuminated	D64	Four-Speed Manual	M20
Moldings:		Automatic	M40
Body Side, Deluxe	BW2	Trunk Opener, Power	A90
Door Edge Guard	B93	Wheel Equipment:	
Side Window Sill	B85	Rally Wheels	ZJ7
Bright Body Sill	BX2	Wire Wheel Covers	N95
Radiator, Heavy-Duty	V01	Windows, Power	A31
		Windshield Wiper System, Intermittent	CD4

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Chevrolet

Litho in U.S.A. 5/77



Monte Carlo

MONTE CARLO

With a completely new concept also designed and engineered for our changing world, the 1978 Monte Carlo is a strong restatement of Chevrolet's personal luxury car. Clean elegant simplicity with sharply defined contours leaves no doubt that this is a Monte Carlo. Restrained formal vertical lines blend with sweeping horizontal sculpturing to emphasize vehicle difference and individuality.

Slimmer and trimmer outside, except for height, a reduced exterior houses a spacious interior with improvements in many seating dimensions. Quality trim and appointments complement the luxurious exterior.

Mechanical design and systems again follow basic Malibu and Malibu Classic Coupe layout. Specific differences are tuned to Monte Carlo character. A new 6-cylinder engine becomes standard equipment with the small V-8 available as an option. The V-8 will continue to use a three speed automatic as the base transmission while a manual 3-speed is standard with the V-6 engine. However, power train selection is increased with the addition of an optional 4-speed manual transmission for both engines.

Meaningful reduction in weight, modern aerodynamics and efficient power plants make the new Monte Carlo a more fuel efficient car. Extensive anti-corrosion additions give greater protection against harsh driving elements.

MODEL OFFERINGS —

- + Monte Carlo — 2-Door, 6-Passenger
Specialty Coupe (37 Body Style)
- + Monte Carlo Landau Optional (RPO Z03)

A package consisting of interior and exterior trim and equipment highlighted by a specific "rear half" vinyl roof cover.

EXTERIOR APPEARANCE —

Front View:

- + Prominent center sculpturing.
- + Bright rectangular lattice work grille.
- + Single rectangular headlamps with bright bezels flanked by large parking lamps at each corner.
- + Large soft facia bumper impact area with horizontal bright impact strips.

POWER TRAINS

MONTE CARLO

49 STATES

ENGINE	MODEL (Base & Opt. Refer to Eng.)	TRANSMISSION	REAR AXLE RATIO (:1)			R.G. SIZE mm (In.)	I.W. CLASS kg (Lbs.)
			BELOW 1219M (4000 FT.)	ABOVE 1219M (4000 FT.)	TRAILERING OPTION		
3.8 Litre - V6 (231 CID) 2-Bbl. Carb. RPO LD5 HP - %	All (Base)	3-Spd. Man. (M15) 3.50 Low - Base	2.93	-	-	191 (7-1/2)	1589 (3500)
		4-Spd. Man. (M20) 3.50 Low - Opt.	2.93	-	-		
		CBC '350' (M33) - Opt.	2.56	-	-		
5.0 Litre - V8 (305 CID) 2-Bbl. Carb. RPO LG3 HP - %	All (Opt.)	THM '200' (M29) - Base	2.29	2.56	2.73	191 (7-1/2)	1589 (3500)
		4-Spd. Man. (M20) 2.85 Low - Opt.	2.73	-	-		

CALIFORNIA

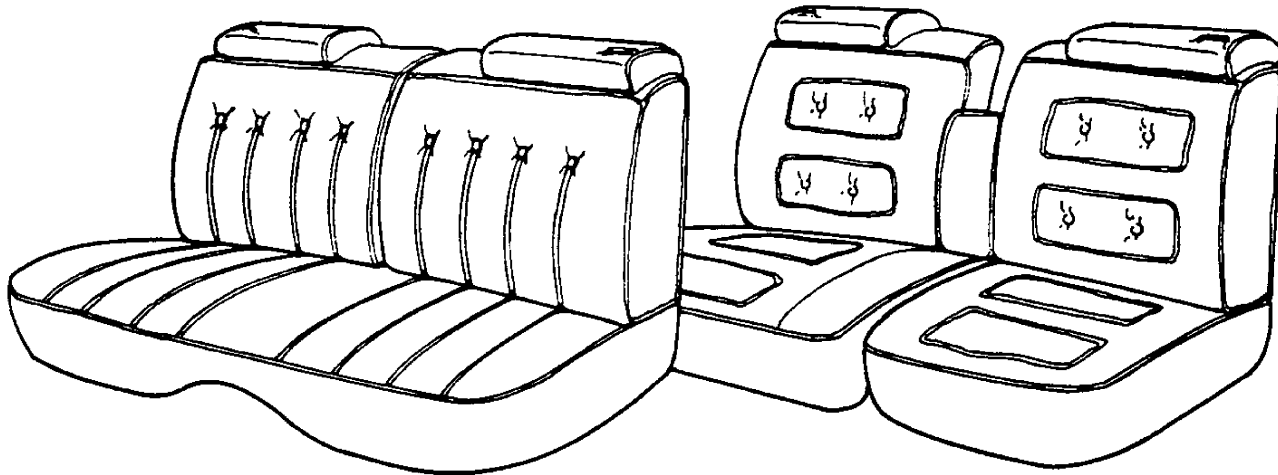
ENGINE	MODEL (Base & Opt. Refer to Eng.)	TRANSMISSION	REAR AXLE RATIO (:1)		R.G. SIZE mm (In.)	I.W. CLASS kg (Lbs.)
			BASE	TRAILERING OPTION		
3.8 Litre - V6 (231 CID) 2-Bbl. Carb. RPO LD5 HP - %	All (Base)	CBC '350' (M33) - Base	2.73	-	191 (7-1/2)	1589 (3500)
5.0 Litre - V8 (305 CID) 2-Bbl. Carb. RPO LG3 HP - %	All (Opt.)	THM '200' (M29) - Base	2.29	2.73	191 (7-1/2)	1589 (3500)

% - To be determined.

DIMENSIONAL COMPARISON – COUPES
MILLIMETRES (INCHES)

	1978 "A" BASE COUPE	1977 "A" BASE COUPE	1978 "A" SPEC. COUPE	1977 "A" SPEC. COUPE
Wheelbase	2745 (108.1)	2845 (112.0)	2745 (108.1)	2946 (116.0)
Front Overhang	915 (36.0)	1019 (40.0)	1077 (42.4)	1113 (43.8)
Rear Overhang	1235 (48.6)	1351 (53.2)	1268 (49.9)	1359 (53.5)
Tread Front	1486 (58.5)	1562 (61.5)	1486 (58.5)	1572 (61.9)
Rear	1467 (57.8)	1542 (60.7)	1467 (57.8)	1552 (60.7)
Exterior Length	4895 (192.7)	5215 (205.2)	5090 (200.4)	5418 (213.3)
Width @ No. 2 Pillar	1773 (69.8)	1918 (75.5)	1770 (69.7)	1966 (77.4)
Height	1354 (53.3)	1354 (53.3)	1370 (53.9)	1341 (52.8)
Interior:				
T Point to Windshield Header	452 (17.8)	719 (28.3)		
Head Room Front	953 (37.5)	945 (37.2)	948 (37.3)	940 (37.0)
Rear	956 (37.6)	932 (36.7)	956 (37.6)	942 (37.1)
Leg Room Front	1089 (42.9)	1077 (42.4)	1089 (42.9)	1077 (42.1)
Rear	894 (35.2)	836 (32.9)	928 (36.5)	836 (32.9)
"H" Point to Heel Front	223 (8.8)	224 (8.8)	223 (8.8)	213 (8.4)
Rear	267 (0.5)	251 (9.9)	267 (10.5)	257 (10.1)
Knee Clearance Rear	51 (2.0)	- 33 (-1.3)	51 (2.0)	- 33 (-1.3)
H Point Couple Distance	791 (31.1)	787 (31.0)	817 (32.2)	787 (31.0)
Shoulder Room Front	1445 (56.9)	1514 (59.6)	1424 (56.1)	1494 (58.8)
Rear	1406 (55.3)	1473 (58.0)	1424 (56.1)	1476 (58.1)
Hip Room Front	1316 (51.8)	1392 (54.8)	1314 (51.8)	1392 (54.8)
Rear	1384 (54.5)	1339 (52.7)	1384 (54.5)	1339 (52.7)
Luggage Capacity – Litres (Cu. Ft.)				
– With base spare tire	469 (16.6)	433 (15.3)	468 (16.5)	1339 (14.9)

MONTE CARLO SEATS



STANDARD SEAT TRIM

LUXURY LEVEL SEAT TRIM

The standard Monte Carlo seat, available in cloth or vinyl trim, is the bench type. A new accented head restraint bucket and a new 55/45 luxury level trim split seat with single center armrest are both available as regular production options. All have inertia type front seat back locks which, when combined with the three-point, single locking retractor lap and shoulder belt, provides easier entry into the rear compartment.

Power Trains:

- + New Standard 3.8 Litre V6 Engine.

Engine and Transmission Combinations —

<u>Engine</u>	<u>Transmission</u>
3.8 Litre (231 CID) V6 2-Barrel Carburetor Base	3-Speed Manual — Base
	3-Speed Automatic — Optional
	4-Speed Manual — Optional
5.0 Litre (305 CID) V8 2-Barrel Carburetor Optional — RPO LG3	3-Speed Automatic — Base
	4-Speed Manual — Optional

4-Speed Automatic only available in California.

5.0 Litre V8 and Automatic Transmission only
combination available above 4000 feet.

Weight Reduction:

- + Curb Weight of standard Monte Carlo reduced 817 pounds.

- + Major areas of weight reduction:

Body and Front End Sheet Metal	— 201 pounds
Bumper	— 101 pounds
Engine and Transmission	— 184 pounds
Chassis and Driveline	— 304 pounds

EXTRA COST EQUIPMENT —

See Malibu and Malibu Classic Section.

EPA Interior Volume Index — Cubic Feet:

	<u>1978</u>	<u>1977</u>
Front Seat Volume	51.9	53.0
Rear Seat Volume	44.6	41.0
Luggage Capacity	16.5	14.9
Index	113.0	108.9

FUNCTIONAL SYSTEMS AND MECHANICAL DESIGNS

The layout and systems design of the 1978 Monte Carlo is new and parallels that of the new Malibu and Malibu Classic. The following equipment is either specific or different in application than that of the Malibu Classic Coupe.

- + **Frame and extended front rails.**
- + **Standard Rear Stabilizer Bar.**
- + **Soft Facia Front and Rear Bumpers.**
 - **Plastic "Honeycomb" Energy Absorbing Medium.**
 - **Aluminum Reinforcement Beams.**
- + **Aluminum Inner and Outer Decklid Panels.**
- + **Specific Standard Wheels Covers.**
- + **Standard Steel Belted Radial Ply Tires, Specific Size.**

1978 Compared to 1977 — Inches:
(Under/Over 1977 Models)

	<u>1978 Monte Carlo</u>
Overall Length	200.4 (– 12.9)
Wheelbase	108.1 (– 7.9)
Front Overhang	42.4 (– 1.4)
Rear Overhang	49.9 (– 3.6)
Overall Width	69.7 (– 7.7)
Front Tread	58.5 (– 3.4)
Rear Tread	57.8 (– 2.9)
Overall Height	53.4 (+ 0.6)

INTERIOR ROOMINESS —

+ Newly proportioned spacious interiors.

Major Interior Dimensions — Inches:
(Under/Over 1977 Models)

	<u>1978 Monte Carlo</u>
Front Seat:	
Head Room	37.3 (+ 0.3)
Leg Room	42.9 (+ 0.8)
Shoulder Room	56.1 (– 2.7)
Hip Room	51.8 (– 3.0)
Rear Seat:	
Head Room	37.6 (+ 0.5)
Leg Room	36.5 (+ 3.6)
Shoulder Room	56.1 (– 2.0)
Hip Room	54.5 (+ 1.8)
Knee Clearance	2.0 (+ 3.3)

Luggage Capacity:

+ Greater capacity with more utility for larger pieces.

- 16.5 cubic feet in 1978.
- 14.9 cubic feet in 1977.

Exterior Colors:

+ 14 Colors Available

- 10 new
- 4 continued from 1977

INTERIOR APPEARANCE AND TRIM —

Luxurious new seat and sidewall styling, specific to Monte Carlo, complements the individuality of the sculptured exterior. The standard front seat is a conventional bench with a split back. An optional luxury 55/45 split bench seat and optional bucket seats give individual adjustment to the driver and passenger.

The new instrument panel has specific Monte Carlo appointments, and round instrumentation, including clock, are standard equipment.

Standard Seat Trim:

- Vinyl in Light Blue, Camel Tan, Carmine and White.
- Woven Cloth in Black, Light Blue, Dark Green, Camel Tan, and Carmine.

Bucket Seat Trim:

- Vinyl in Light Blue, Camel Tan, Carmine and White

Luxury 55/45 Split Bench Seat Trim:

- Velour Cloth in Light Blue, Camel Tan and Carmine.
- Vinyl in Camel Tan, Carmine and White.

EXTERIOR SIZE —

+ Trimmer and Slimmer Overall

+ More Maneuverable

- Shorter Wheelbase
- Smaller Turning Diameters

- + Standup Monte Carlo Header Emblems and "Monte Carlo" script nameplate.
- + Bright Windshield and Grille Moldings.

Side View:

- + Sweeping Fender and Body Character Lines.
- + Large Window Expanse outlined with bright moldings.
- + Large Formal Quarter Window
- + Frameless Door Glass.
- + Bright Wheel Opening, lower body Side and Roof Drip Molding Treatments.
- + Standard Wheel Covers
- + Corner Mounted Marker Light.
- + Monte Carlo Front Fender Nameplate.
- + Monte Carlo Crest Mounted on Sail Panel.

Rear View:

- + Strong Low Horizontal Theme.
- + Multiple Lens Rear Lamp Treatment in Rear End Panel.
- + Large Soft Facia Bumper Impact Area with Horizontal Bright Impact Strips.
- + Large Backlite Area.
- + Bright Tail Lamp Bezels and License Pocket Molding.
- + Monte Carlo Nameplate with Bow tie on Lower Right of Decklid.
- + Monte Carlo Lock Cover Emblem.

MONTE CARLO

1978 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles produced on or after May 1, 1978

Description	Model Number	Body Code	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price★	Destination Charge & Group Number	Total
◆ 6-Cylinder Engine										
Sport Coupe.....	1A237	—	108.1"					4817.90	5—	
Landau Coupe.....	1A237	Z03	108.1"					5728.90	5—	

- ★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, options or accessories.
 ◆ 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 May 1, 1978

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H†	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
V**1 Vinyl Bench Seat.....						24.00
V**2 Vinyl Bucket Seats.....						110.00
L**3 Special Custom Cloth 55/45 Seat.....						352.00
T**3 Special Custom Vinyl 55/45 Seat.....						378.00

Exterior Color:

Paint, Solid.....						NO ADDITIONAL CHARGE
Roof Cover, Vinyl. Standard on Z03 Landau.....						131.00

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

200 Cu. In. V6.....	L26					(40.00)
231 Cu. In. V8.....	LD5					NO ADDITIONAL CHARGE
305 Cu. In. V8.....	LG3					160.00

Air Conditioning: Four-Season. Includes K76 generator and increased cooling.....

C60						554.00
-----	--	--	--	--	--	--------

Axles, Rear:

Performance Ratio.....	G92					15.00
Positraction.....	G80					59.54

Battery, Heavy-Duty.....

UA1						18.00
-----	--	--	--	--	--	-------

Belts, Deluxe: Color-Keyed Seat and Shoulder. Included with special custom trim. Includes brushed metal buckles. (Standard belts and plastic buckles are black). Replacing standard number of belts.

With bench seat—6 seat and 2 front shoulder.....	AK1					22.00
With bucket seats—5 seat and 2 front shoulder.....	AK1					20.00

Brakes, Power: Standard on Z03 Landau.....

J50						71.00
-----	--	--	--	--	--	-------

Console: Shift lever mounted on console.....

D55						80.00
-----	--	--	--	--	--	-------

Container, Litter: Color-Keyed.....

D24						6.00
-----	--	--	--	--	--	------

Defogger, Rear Window: Electro-Clear. Includes K76 generator.....

C49						95.00
-----	--	--	--	--	--	-------

Door Lock System, Power: Electric.....

AU3						83.00
-----	--	--	--	--	--	-------

Emission Systems:

California Emission Requirements. Includes all testing, equipment and/or certification necessary for registration in the State of California.....

YF5						75.00
-----	--	--	--	--	--	-------

High Altitude Emission Equipment.....

NA6						33.00
-----	--	--	--	--	--	-------

Standard Emission Equipment.....

NA2						NO ADDITIONAL CHARGE
-----	--	--	--	--	--	----------------------

Floor Covering: 2 front and 2 rear color-keyed floor mats

B37						22.00
-----	--	--	--	--	--	-------

Gage Package: Includes temperature, voltmeter and oil pressure gages.....

UF7						32.00
-----	--	--	--	--	--	-------

Generator, 61-Amp Delcotron: Included with C60 air conditioning or C49 defogger.....

K76						31.00
-----	--	--	--	--	--	-------

Glass, Soft-Ray Tinted: All Windows.....

A01						65.00
-----	--	--	--	--	--	-------

Instrumentation: Special. Includes tachometer and voltmeter, temperature and oil pressure gages.....

U14						97.00
-----	--	--	--	--	--	-------

- * Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.
 † D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.
 ◇ 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 May 1, 1978

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price◇
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Light, Dome Reading	C95					16.00
Lighting, Auxiliary: Includes luggage compartment and underhood lights, dome delay switch plus headlamp warning buzzer.	ZJ9					28.00
Luggage Compartment Trim, Deluxe: Includes black cut pile floor carpeting and carpeted spare tire cover.	B48					41.00
Mirrors:						
<i>Outside Rearview, LH Remote.</i>	D33					16.00
<i>Sport, Body-Colored LH Remote and RH Manual.</i> Standard on Z03 Landau	D35					35.00
<i>Sport, Twin Remote</i>						
Without Z03 Landau	D68					59.00
With Z03 Landau	D68					24.00
<i>Visor Vanity.</i> Standard on Z03 Landau	D34					4.00
<i>Visor Vanity, Illuminated</i>						
Without Z03 Landau	D64					37.00
With Z03 Landau	D64					33.00
Moldings:						
<i>Body Side, Deluxe.</i> Includes color-keyed vinyl insert	BW2					53.00
<i>Bright Body Sill.</i> Standard on Z03 Landau	BX2					44.00
<i>Door Edge Guard.</i>	B93					13.00
<i>Side Window Sill.</i>	B85					31.00
Radiator, Heavy-Duty	V01					31.00
Radio Equipment:						
<i>AM Radio.</i>	U63					79.00
<i>AM /FM Radio.</i>	U69					154.00
<i>AM /FM Stereo Radio.</i>	U58					229.00
<i>Stereo Tape System with AM Radio.</i>	UM1					233.00
<i>Stereo Tape System with AM /FM Stereo Radio.</i>	UM2					328.00
<i>Speaker, Rear Seat</i>	U80					24.00
<i>Speakers, Dual Front.</i> Included with U58, UM1 or UM2 Radio	UX6					20.00
<i>Windshield Antenna.</i> Included with radio	U76					25.00
<i>Power Antenna</i>	U75					45.00
Roof Panels: Removable Glass.	CC1					625.00
Seat, Power: Electric, 6-Way Control. Front seat, Driver's side with 55 /45 Seat.	A42					156.00
Sky Roof, Power Sliding metal top	CA1					499.00
Speed Control: Cruise-Master.	K30					95.00
Steering Wheel: Comfortilt.	N33					72.00
Steering, Power Standard on Z03 Landau	N41					155.00
Striping, Pin: Body Side. Included with Z03 Landau ...	D85					33.00
Suspension Equipment: Suspension, Heavy-Duty Front and Rear. Includes special front and rear springs and matching shock absorbers.	F40					20.00
Tires:						
<i>P205 /70 R-14-B Steel Belted Radial Ply Blackwall (Standard)</i>	QFS			NO ADDITIONAL CHARGE		
<i>P205 /70 R-14-B Steel Belted Radial Ply White Stripe.</i>	QFK					42.00
Transmissions:						
<i>3-Speed Manual.</i>	MM3			NO ADDITIONAL CHARGE		
<i>4-Speed Manual.</i>	MM4					125.00
<i>Automatic</i>						
Without Z03 Landau	MX1					318.00
With Z03 Landau	MX1			NO ADDITIONAL CHARGE		
Trunk Opener, Power: Electric.	A90					21.00
Wheel Trim:						
<i>Wheel Covers, Wire</i>						
Without Z03 Landau	N95					111.00
With Z03 Landau	N95					60.00
<i>Wheels, Rally.</i> Includes styled wheels, special hub caps and trim rings	ZJ7					44.00
Windows, Power: Electric	A31					128.00
Windshield Wiper System: Intermittent	CD4					35.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.

† D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.

◇ State and local taxes not included.