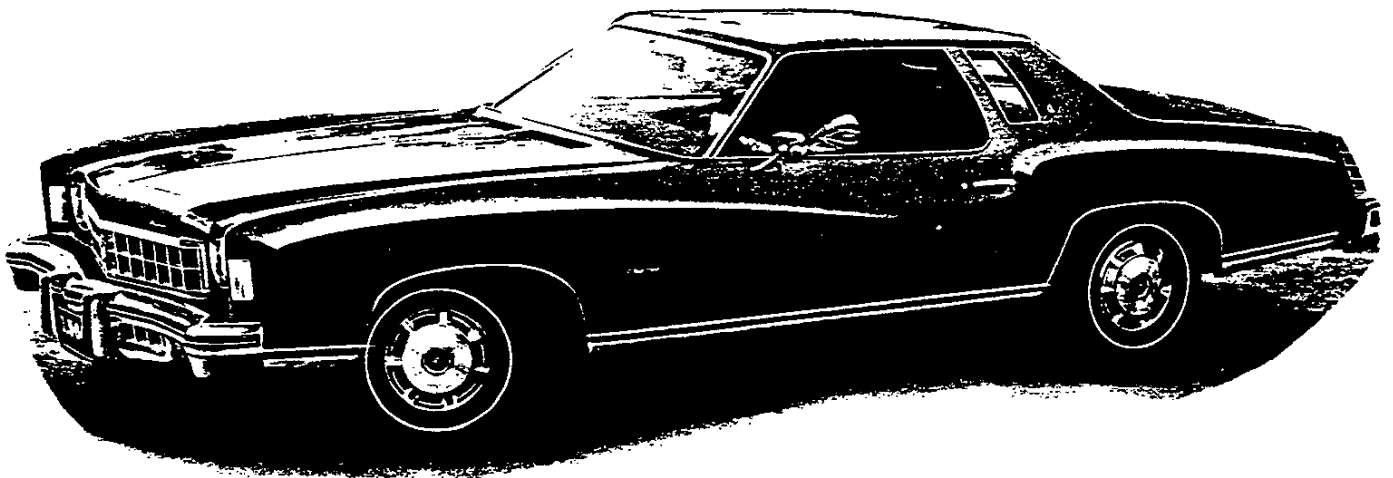




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# Chevrolet



*1975 Monte Carlo*

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# GENERAL

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# MODEL IDENTIFICATION

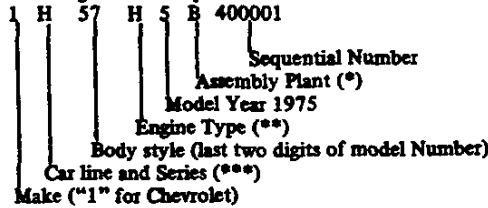
BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
A-SPECIAL	MONTE CARLO "S"	2-Dr. Sport Coupe	1AH57	6

# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE IDENTIFICATION NUMBER

### Vehicle Designation Interpretation



\*B - Baltimore-GMAD R - Arlington-GMAD  
D - Doraville-GMAD Z - Fremont-GMAD  
L - Leeds-GMAD #1 - Oshawa (Canadian Plt.)

\*\*H - V8-350 (145 H.P.) U - V8-400 (175 H.P.)  
L - V8-350 (155 H.P.) Y - V8-454 (215 H.P.)

\*\*\* - Monte Carlo

**EXAMPLE:** The twenty-fifth Monte Carlo vehicle built at GMAD Baltimore 1AHS7 model (Monte Carlo Sport Coupe) with a V8-350 (145 H.P.) engine would bear VIN number 1H57H5B400025

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

## TRANSMISSION IDENTIFICATION

Example: S5E01

Type	Source	Model Year	Production <sup>o</sup>
Designation	Designation	1975	Month & Date
HB	S (Muncie)	5	E01D*

CD	3-Speed	V-8 engine	S - Muncie
HB	Turbo Hydra-matic	V-8 engine	B - Cleveland
CF	Turbo Hydra-matic	V-8 engine	Y - Toledo
			H - Ypsilanti

3-Speed ..... Stamped on left side just below cover.  
Turbo Hydra-matic (Chevrolet) ..... Stamped on left hand side of pan.  
Turbo Hydra-matic ..... Nameplate tag on right hand side of the case.

<sup>o</sup>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: F1210CRX

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

Turbo-Fire 350, 350 Cubic Inch V-8, Base Engine

CMU - Regular engine, 3-Speed, 2-bbl. carb.  
CRX - Regular engine, Turbo Hydra-matic (Chevrolet)

Turbo-Fire 350, 350 Cubic Inch V-8, (RPO LM1)

CMF - Optional engine, 3-speed, 4-bbl. carb.  
CRU - Optional engine, Turbo Hydra-matic (Chevrolet)

Turbo-Fire 400, 400 Cubic Inch V-8 (RPO LT4)

CTL - Optional engine, Turbo Hydra-matic (Chevrolet)

Turbo-Jet 454, 454 Cubic Inch V-8 (RPO LS4)

CXW - Optional engine, Turbo Hydra-matic

Location:

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

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

## REAR AXLE IDENTIFICATION

CC - 2.73 Axle  
CH - 2.56 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

<u>FRONT</u>	<u>MONTE CARLO MODEL 'S'</u>
Bright Windshield Reveal Molding .....	X
Concealed Windshield Wipers and Articulated Left Blade .....	X
Bright Hood Rear Molding (at Cowl) .....	X
Rectangular Fender Mounted Parking Lamp with White Lens and Amber Bulb .....	X
Chrome Plated Die Cast Radiator Grille .....	X
Single Headlamps .....	X
Bright Headlamp Rings .....	X
Crest Emblem on Radiator Grille (Center) .....	X
Radiator Header Panel Nameplate "Monte Carlo" .....	X
<u>SIDE</u>	
Sail Panel Crest .....	X
Rectangular Bright LH Outside Rear View Mirror .....	X
Body Side Lower Molding - Argent Accented between Wheels; and Argent Painted Rocker with Bright Molding; Fore and Aft of Wheels - Argent Accented One-Piece Molding .....	X
Bright Drip Moldings .....	X
Bright Wheel Opening Moldings .....	X
Bright Door Corner Molding .....	X
Bright Belt Bead Molding .....	X
Wheel Trim Covers .....	X
Bright Quarter Window Molding .....	X
Bright Lift Bar Door Handles .....	X
Front Fender Nameplate Script - "Monte Carlo" .....	X
Rear Marker Lamp with Red Lens (Framed in Quarter Molding) .....	X
<u>REAR</u>	
Rear Body Panel Nameplate "Monte Carlo by Chevrolet" - Script and Block on Bow Tie .....	X
Rear Window Reveal Molding .....	X
Rear Body Panel Mounted Backup Lamps, Fuel Filler .....	X
Tail Lamp Mounted in Rear Quarter End Cap; Bright Molding .....	X

**STANDARD INTERIOR EQUIPMENT**

<u>ROOF AND PILLARS</u>	<u>MONTE CARLO 'S'</u>
Premier Vinyl Coated Headlining—Perforated .....	X
Trim Color Windshield, Roof Rail and Rear Window Trim Lace .....	X
12-Inch Prismatic Rear View Mirror with Black Padded Edge .....	X
Black Rear View Mirror Support .....	X
Padded Sunshades Matching Headfining .....	X
Air Gap Windshield Pillars .....	X
Trim Color Plastic Coat Hooks .....	X
Bright Bezeled Center Dome Lamp .....	X
Door Jamb Switches .....	X
Front Seat Shoulder Belt Anchor Cover (Belt Color) .....	X
Embossed Board Rear Package Shelf .....	X

<u>SEATS AND FLOOR COVERING</u>	
Front and Rear Seat Cushions with Foam Padding .....	X
Black Front Seat Adjuster Handle .....	X
Black Folding Front Seat Back Latch .....	X
Front Seat Head Restraints .....	X
Front and Rear Seat Belts — Six .....	X
Front Seat Shoulder Belts — Two .....	X
Carpeting Along Back of Front Seat at Bottom .....	X
Front Seat Belt Anchor Cover (Belt Color) .....	X
Passenger Compartment Carpet Floor Covering .....	X
Luggage Compartment Spatter Paint .....	X
Luggage Compartment Mat (Rubber and Foam Backed Vinyl) .....	X

<u>DOOR AND QUARTER PANEL</u>	
Padded Door Armrest w/Ash Tray in Rear Section .....	X
Built-In Rear Quarter Panel Armrest .....	X
Clear Plastic Window Control Handle Knobs .....	X
Bright Door Lock Buttons .....	X
Padded Vinyl Door and Quarter Panel Trim	
Vinyl Door Assist Handle with Bright Escutcheons .....	X
Door Sidewall Nameplate "Monte Carlo" .....	X
Bright Rear Quarter Window Molding .....	X



# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT

<u>INSTRUMENT PANEL AND STEERING WHEEL</u>	<u>MONTE CARLO 'S'</u>
Glove Compartment Light .....	X
Heater Control Light .....	X
Temperature, Generator, Oil Pressure, Brake and Seat Belt Warning Lights .....	X
Hi-Beam and Turn Signal Indicators .....	X
Bright Cowl Vent Control Knob .....	X
Bright Astro-Ventilation Control Knob .....	X
Two-Speed Windshield Wiper and Washer Switch (Slide Type Depress to Wash) – Illuminated .....	X
Soft Black Symbol Type Lighting Control Knob .....	X
Black Hazard Flasher Knob .....	X
Soft Black Turn Signal and Transmission Shift Lever Knobs .....	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock .....	X
T-Handle Parking Brake Release .....	X
T-Handle Interior Hood Release .....	X
Blended Air Heater .....	X
Ash Tray .....	X
Cigarette Lighter with Soft Black Symbol Type Knob .....	X
100 MPH (160 KPH) Speedometer and Odometer, Clock and Fuel Gage ...	X
Instrument Panel Pad Color-Keyed to Interior .....	X
Instrument Panel Astro-Ventilation Outlets (R&L) .....	X
Glove Compartment Door Lock .....	X
Wood-Grain Cluster Surface .....	X
Color Keyed Steering Wheel and Column .....	X
Steering Wheel with Wood Grain Insert and "Chevrolet" Nameplate .....	X
Plastic Cowl Kick Pads .....	X
Electric Clock .....	X
Fuel Gage ("Unleaded Fuel Only") .....	X
 <u>GLASS</u>	
Laminated Safety Plate Glass Windshield (Thin Design) .....	X
Solid Safety Plate Backlight .....	X
Solid Safety Plate Side Windows .....	X

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<u>MODEL OPTIONS</u>		
Monte Carlo 'Landau' (see page 11 for content) .....	Z03	
<u>POWER TEAMS</u>		
Turbo-Fire 350 Cu. In. V-8 (California only) .....	LM1	
Turbo-Fire 400 Cu.In. V-8 .....	LT4	
Turbo-Jet 454 Cu.In. V-8 .....	LS4	
Turbo Hydra-matic used with L65 and LT4 .....	M38	
Turbo Hydra-matic used with LS4 .....	M40	
Axle Positraction .....	G80	
<u>FACTORY INSTALLED REGULAR PRODUCTION TIRES</u>		
GR70-15 Steel Belted Radial Ply Blackwall .....	QBX	
HR70-15 Steel Belted Radial Ply Whitewall .....	QCN	
HR70-15 Steel Belted Radial Ply Blackwall .....	QCP	
GR70-15 Steel Belted Radial Ply Whitewall .....	QCX	

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC</u>
<u>POWER ASSISTS</u>		
Locks, Electric Door .....	AU3	
Rear Compartment Remote Control Electric Lock .....	A90	
Seat, 6-Way Electric Control Bench .....	A42	
Window, Electric Control .....	A31	
<u>OTHER OPTIONS</u>		
Air Conditioning, Four-Season (see page 10 for content) .....	C60	
Alarm, Theft .....		X
Battery Blanket .....		X
Battery, Heavy Duty .....	UA1	
Belts, Deluxe Seat and Shoulder (Color Keyed to Interior) .....	AK1	
Bumper Guards Front & Rear .....	V30	X
Bumper Impact Strips, and Bumper Guards Front and Rear .....	VE5	X
Cap, Locking Gas Filler .....	VE5	X
Compass .....		X
Console, Front Compartment Floor .....	D55	X
Container, Litter .....		X
Defogger, Rear Window (Forced Air) .....	C50	X
Dispenser, Tissue .....		X
Extinguisher, Fire .....		X
Gauges, Instrument Panel .....	U14	
Generator, 61-Amp Delcotron .....	K76	
Glass, Tinted - All Windows .....	A01	
Glass, Tinted - Windshield only (Fleet use) .....	A02	
Guard, Vinyl Door Edge .....		X
Guard Door Edge Stainless Steel .....	B93	X
Harness, Trailering Wiring .....		X
Hitch, Trailer - Equalizing Type .....		X
Hitch, Trailer - 2000 Lb. Class .....		X
Heater, Engine Block .....		X
Highway Emergency Kit .....		X
Horns, Dual .....	U05	
Lighting, Auxiliary .....	ZJ9	
Engine Compartment Lamp		
Passenger Compartment Courtesy Lamps		
Map Lamp		
Luggage Compartment Lamp		
Ash Tray Lamp		
"Headlamp On" Buzzer		
Litter Container (Integrated with RH kick panel) .....	D24	
Luxury Interior Trim .....	Z06	
Mats, Front and Rear .....	B37	X
Mirrors, Sport Outside Rear View Body Color - LH .....	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, RH Outside Rear View Mirror - Remote Control (D33 Required) .....	DF3	

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<b><u>OTHER OPTIONS</u></b>		
Mirror, RH . . . . .		X
Mirror, Trailering - Fender Clamp . . . . .		X
Radiator, Heavy Duty . . . . .	V01	
Rack, Roof Top Ski . . . . .		X
Molding, Body Side - Vinyl Insert . . . . .	BW2	
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
Roof Cover Landau . . . . .	CB4	
Roof Cover, Vinyl . . . . .	C09	
Radio, Citizens Band . . . . .		X
Seat, Safety - Child . . . . .		X
Seat, Safety - Infant . . . . .		X
Seat, Special Contour Bucket - 90° Swivel . . . . .	AN7	
Seat 50/50 Bench . . . . .	AT8	
Speed Control, Automatic . . . . .	K30	
Steering Wheel, Comfortilt . . . . .	N33	
Sun Roof, Electric . . . . .	CA1	
Suspension, H.D. Front and Rear . . . . .	F40	
Spotlight, Hand . . . . .		X
Wheel Covers, Trim . . . . .	PA3	X
Wheel Covers, Simulated Wire . . . . .	N95	
Wheel Rally 15 x 7 Hub Cap and Trim Ring . . . . .	ZJ7	
Warmer, Interior Car . . . . .		X
Windshield Washer and Wiper - Pulse . . . . .	CD4	

# "LANDAU" OPTION EQUIPMENT

## MONTE CARLO 'LANDAU' OPTION RPO Z03

### AVAILABILITY

Standard model 1AH57

### POWER TRAIN AVAILABILITY

Same as standard model.

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

#### EXTERIOR

Specific vinyl roof cover (Landau type)

Pin striping on fender peak

Sport type, body color remote control rear view mirrors,  
LH remote, RH manual

Specific sail panel 'Landau' nameplate

Turbine II wheels 15 x 7 (urethane styled) with bright trim  
rings and hub caps

#### INTERIOR

Visor vanity mirror

'Landau' door trim emblem and instrument panel nameplate

#### FUNCTIONAL

Dual note horns

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. Five air outlets: 1 center, 2 side, 2 lower.

BASIC COMPONENTS

Control panel, evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems.

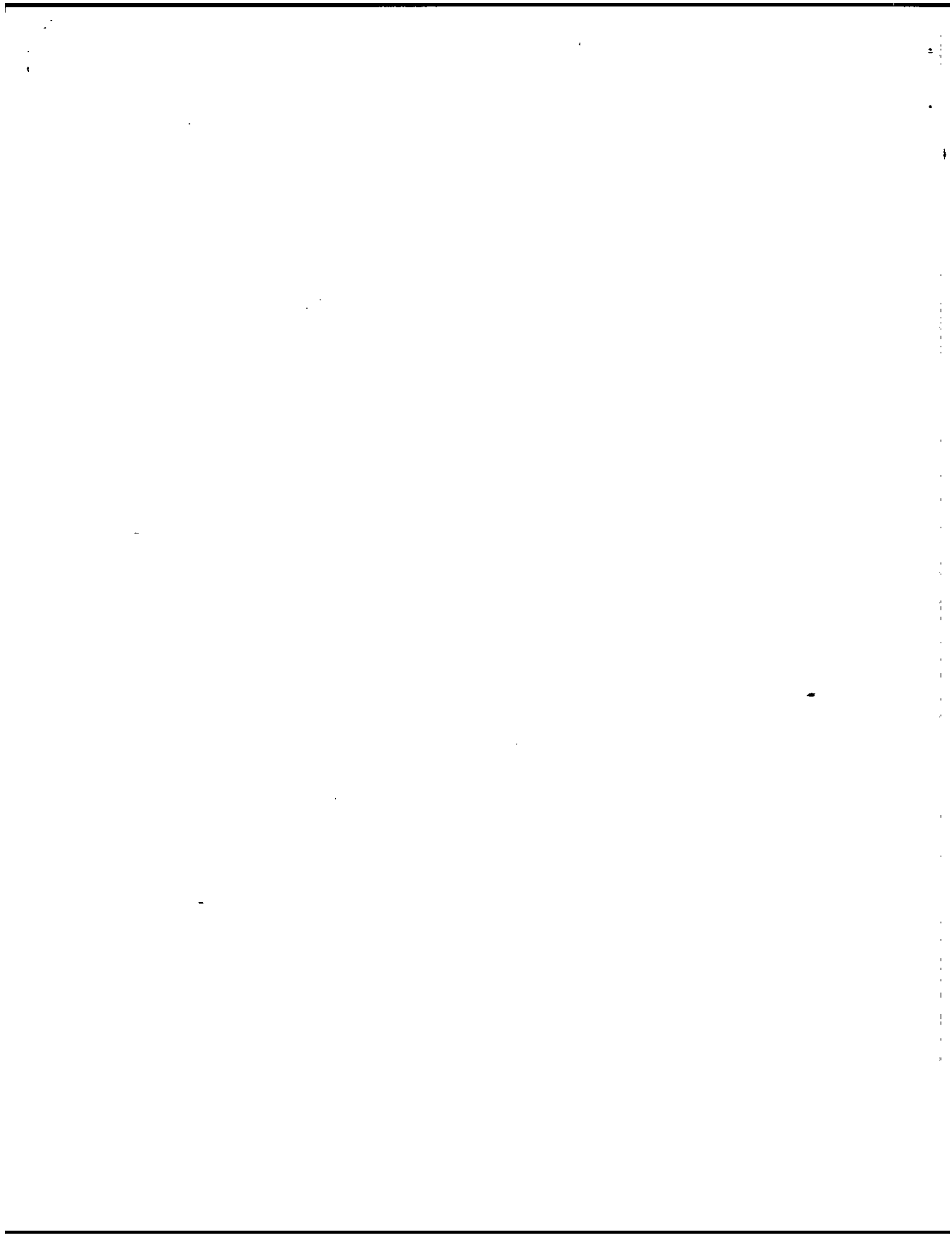
EQUIPMENT (Used in addition to or in place of base equipment)

CHASSIS

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

POWER TRAINS

Fan Blade ..... 7 blade  
Fan Clutch ..... Thermomodulated fluid coupling  
Crankshaft Pulley ..... Dual  
Water Pump & Fan Pulley ..... Single  
Compressor & Crankshaft Belt ..... One  
Generator ..... 61 Ampere  
Radiator ..... Heavier duty



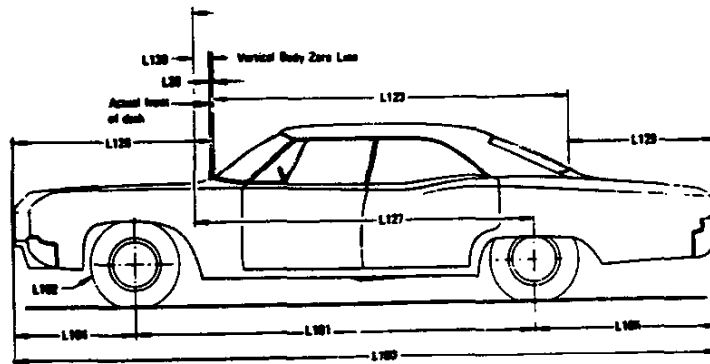
# **DIMENSIONS AND WEIGHTS**

<b>INTERIOR DIMENSIONS</b> .....	<b>2</b>
<b>LUGGAGE CAPACITY</b> .....	<b>2</b>
<b>EXTERIOR DIMENSIONS</b> .....	<b>3 &amp; 4</b>
<b>VEHICLE WEIGHTS</b> .....	<b>5</b>
<b>OPTIONAL EQUIPMENT WEIGHTS</b> .....	<b>5</b>



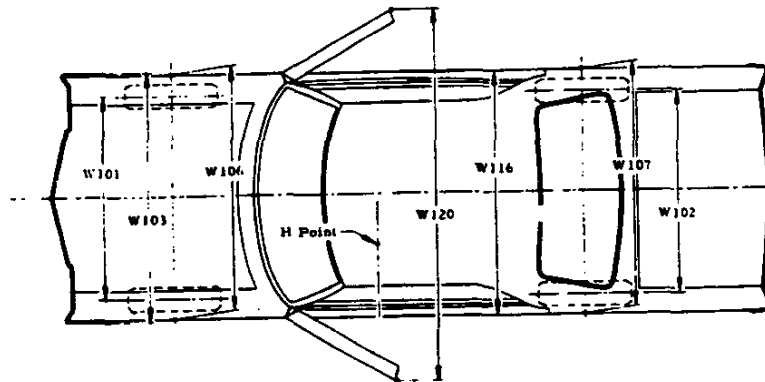


# EXTERIOR DIMENSIONS



## LENGTHS

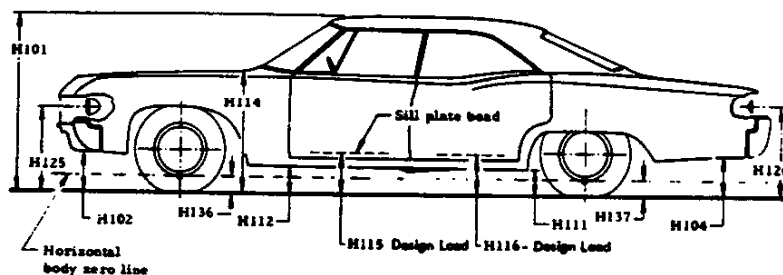
CODE	DESCRIPTION	SPORT COUPE
L101	Wheelhouse	116.0
L102	Tire size (standard)	GR 70-15
L103	Overall length	213.3 (with I/Strips 213.7)
L104	Overhang front 43.8 (with I/Strips 44.2)	>
L105	Overhang, rear	53.5 (with I/Strips 53.6)
-	Overall length - less bumpers	206.7
L123	Body upper structure length at car center line	94.6
L127	Body O line to C/L of rear wheels	93.5
L128	Front end length at center line	65.1
L129	Rear end length at centerline	35.8
L130	Body zero plane to windshield cowl point	10.5
L30	Body O line to actual front of dash	- 0.5



## WIDTHS

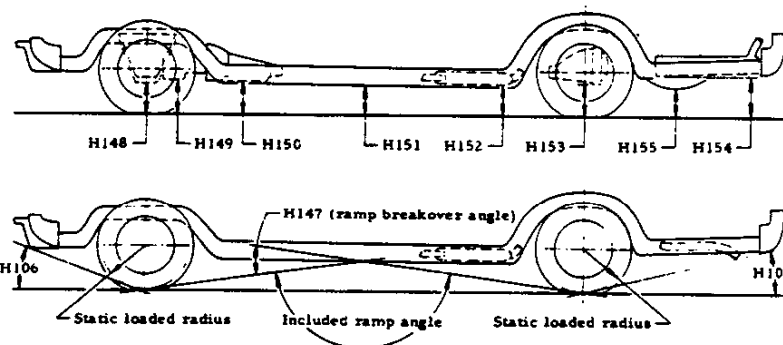
W101	Tread - front	61.9
W102	Tread - rear	61.1
W103	Maximum overall width of car	77.6
W106	Front fender overall width	77.6
W107	Rear fender overall width	75.8
W116	Maximum overall width of body	77.4
W120	Overall car width, front doors open	171.3

# EXTERIOR DIMENSIONS



## HEIGHTS

CODE	DESCRIPTION	SPORT COUPE
H101	Overall height (design)	52.7
H102	Front bumper to ground	12.4
H104	Rear bumper to ground	11.7
H111	Rocher panel to ground - rear	8.0
H112	Rocker panel to ground - front	8.6
H114	Hood at rear to ground	38.5
H115	Step height - front (design)	12.4
H116	Step height - rear (design)	12.0
H125	Headlamp to ground	28.5
H126	Tail lamp to ground	28.5
H136	Body O line to ground - front	5.9
H137	Body O line to ground - rear	5.4



## CLEARANCES

H106	Angle of approach (degrees)	16°33'
H107	Angle of departure (degrees)	17°21'
H147	Ramp breakover angle (degrees)	13°12'
H148	Front suspension to ground	4.9
H149	Oil pan to ground	5.3
H150	Flywheel housing to ground	5.2
H151	Frame to ground	5.7
H152	Exhaust system to ground	4.9
H153	Rear axle to ground	7.0
H154	Fuel tank to ground	6.6
H155	Tire well to ground	—
H156	Minimum ground clearance	4.9 (a)

(a) Catalytic converter.

# VEHICLE WEIGHTS

MODEL TYPE			SHIPPING WEIGHT			CURB WEIGHT		
MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	Front	Rear	Total	Front	Rear	Total
1AH57	350 Cu.In. V8 (L65)	2-Door Sport Coupe	2234	1693	3927	2212	1831	4043

**SHIPPING WEIGHT:** 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
AN7	Bucket Seat - Swivel		+ 13
AU3	Electric Door Locks		+ 7
A31	Power Windows		+ 9
A42	Power Seat		+ 24
B37	Front and Rear Floor Mats		+ 9
CA1	Electric - Sun Roof		+ 46
C09	Vinyl Roof Cover		+ 4
CB4	Landau Roof Cover		+ 8
C60	Air Conditioning		+ 90
D55	Console	Used with Automatic Transmission	+ 15
N95	Wheel Cover, Simulated Wire		+ 16
Z03	Landau Equipment		+ 42
U63	Radio AM Pushbutton		+ 6
U69	Radio AM/FM Pushbutton		+ 8
U58	Radio AM/FM Stereo		+ 15
UM1	Radio AM Pushbutton & Tape		+ 20
UM2	Radio AM/FM Pushbutton & Tape		+ 21
ZJ7	Spec. Whl. Hub Cap & Tr. Rg.		+ 5
L65	350 Cu. In. V-8 Engine	Turbo Hydra-Matic Transmission	+ 30
LM1	350 Cu. In. V-8 Engine	Turbo Hydra-Matic Transmission	+ 34
LT4	400 Cu. In. V-8 Engine	Turbo Hydra-Matic Transmission	+ 46
LS4	454 Cu. In. V-8 Engine	Turbo Hydra-Matic Transmission	+254



# BODY

EXTERIOR PAINT PROCESS . . . . .	2
● EXTERIOR-INTERIOR COLORS . . . . .	3, 4, 5
BODY CONSTRUCTION AND GLASS AREA . . . . .	6

## 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

## 1975 MONTE CARLO 'SPECIAL A' INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM											
		Black		White				Medium Sandstone		Dark Blue		Medium Green	
		Knit Cloth	Vinyl	↑ Vinyl /Blk	↑ Vinyl /Dk. Blue	↑ Vinyl /Dk. Green	↑ Vinyl/Dk. Oxblood	Knit Cloth	Vinyl	Knit Cloth	Vinyl	Knit Cloth	Vinyl
Monte Carlo S <sup>†</sup> - IAH00	Bench	19B	19H	11H	02H	04H	07H	55H	26B	26H	73B	26H	73B
Sport Coupe (57)	Bucket	19B	19H	11H	02H	04H	07H	55H	26B	26H	73B	26H	73B
Monte Carlo Luxury	50-50	19N	-	-	-	-	-	-	26N	-	73N	-	44N
Sport Coupe (57)	Bucket	19N	-	-	-	-	-	55N	26N	-	73N	-	44N
EXTERIOR COLORS		Color Code											
White C/O	11	X	X	X	X	X	X	X	X	X	X	X	X
Silver Metallic	13	X	X	X	X	X	X	X	X	X	X	X	X
Light Graystone	15	X	X	X	X	X	X	X	X	X	X	X	X
Black C/O	19	X	X	X	X	X	X	X	X	X	X	X	X
Medium Blue	24	X	X	X	X	X	X	X	X	X	X	X	X
Bright Blue Metallic	26	X	X	X	X	X	X	X	X	X	X	X	X
Dark Blue Metallic	29	X	X	X	X	X	X	X	X	X	X	X	X
Medium Green C/O	44	X	X	X	X	X	X	X	X	X	X	X	X
Dark Green Metallic	49	X	X	X	X	X	X	X	X	X	X	X	X
Cream-Beige C/O	50	X	X	X	X	X	X	X	X	X	X	X	X
Sandstone	55	X	X	X	X	X	X	X	X	X	X	X	X
Dark Brown Metallic	59	X	X	X	X	X	X	X	X	X	X	X	X
Light Saddle Metallic	63	X	X	X	X	X	X	X	X	X	X	X	X
Penimmon Metallic	64	X	X	X	X	X	X	X	X	X	X	X	X
Red	72	X	X	X	X	X	X	X	X	X	X	X	X
Red Metallic C/O	74	X	X	X	X	X	X	X	X	X	X	X	X

**NOTE:** Solid exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified. Two tone paint is not available on the Monte Carlo.

**NOTES:**

- 11H † - White Vinyl interior with Black Instrument Panel upper and lower, carpet, Cowl Kick Pad, and Package Shelf.
- 02H † - White Vinyl interior with Dark Blue Instrument Panel upper and lower, Cowl Kick pad, Carpet, and Package Shelf.
- 07H † - White Vinyl interior with Dark Oxblood Instrument Panel upper and lower, Cowl Kick pad, Carpet and Package Shelf.
- 04H † - White Vinyl interior with Dark Green Instrument Panel upper and lower, Carpet, Cowl Kick Pad, and Package Shelf.



# EXTERIOR-INTERIOR COLORS

## ● EXTERIOR COLORS – VINYL ROOF COMBINATIONS

VINYL TOP COVER (Material - Levant Grain)	EXTERIOR COLOR AVAILABILITY
Silver Metallic	Silver Metallic
	Black
	Bright Blue Metallic
	Dark Blue Metallic
	Red Metallic
Black C/O	All available colors
White C/O	All available colors
Dark Blue	White
	Silver Metallic
	Medium Blue
	Bright Blue Metallic
	Dark Blue Metallic
Medium Green C/O	White
	Medium Green
	Dark Green Metallic
Sandstone	White
	Black
	Dark Green Metallic
	Cream-Beige
	Sandstone
	Dark Brown Metallic
	Persimmon Metallic
Maroon – Production Name	White
Dark Red – Sales Name	Silver Metallic
	Red Metallic

# EXTERIOR-INTERIOR COLORS

## 1975 MONTE CARLO LANDAU COLOR/STRIPE/MOLDING/VINYL TOP APPLICATION (RPO Z03 - 1AH57)

EXTERIOR COLOR	Color Combination Identification	VINYL TOPS						
		White	Black	Dark Blue	Medium Green	Sandstone	Maroon	Silver Metallic
White	Stripe Molding	Black White	Black Black	Dark Blue Dark Blue	Med. Green Med. Green	Sandstone Lt. Beige	Red Maroon	- -
Silver Metallic	Stripe Molding	White White	Black Black	Dark Blue Dark Blue	- -	- -	Red Maroon	Black Sil. Metallic
Light Graystone	Stripe Molding	White White	Black Black	- -	- -	- -	Red Maroon	- -
Black	Stripe Molding	White White	White Black	- -	- -	- -	Red Maroon	Silver Sil. Metallic
Medium Blue	Stripe Molding	White White	Black Black	Dark Blue Dark Blue	- -	- -	- -	- -
Bright Blue Metallic	Stripe Molding	White White	Black Black	Dark Blue Dark Blue	- -	- -	- -	Silver Sil. Metallic
Dark Blue Metallic	Stripe Molding	White White	White Black	Med. Blue Dark Blue	- -	- -	- -	Silver Sil. Metallic
Medium Green	Stripe Molding	White White	Black Black	- -	Dark Green Med. Green	- -	- -	- -
Dark Green Metallic	Stripe Molding	White White	Med. Green Black	- -	Med. Green Med. Green	Sandstone Light Beige	- -	- -
Cream Beige	Stripe Molding	White White	Black Black	- -	- -	Black Light Beige	- -	- -
Sandstone	Stripe Molding	White White	Black Black	- -	- -	Black Light Beige	- -	- -
Dark Brown Metallic	Stripe Molding	White White	Sandstone Black	- -	- -	Sandstone Light Beige	- -	- -
Light Saddle Metallic	Stripe Molding	White White	Black Black	- -	- -	- -	- -	- -
Persimmon Metallic	Stripe Molding	White White	Black Black	- -	- -	- -	- -	- -
Red	Stripe Molding	White White	Black Black	- -	- -	- -	- -	- -
Red Metallic	Stripe Molding	White White	Black Black	- -	- -	- -	White Maroon	Silver Sil. Metallic

# 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 pins mounted on cowl.  
 Hood Release ..... Internal, to left of steering column under instrument panel.

## VENTILATION

High level air intake for passenger compartment ..... with double wall plenum chamber. Astro Ventilation with instrument panel outlets standard. To assure constant flow, heater blower circulates air thru lower vent when ignition is on.

## SEAT CONSTRUCTION

Type  
 All seat cushions and backrests . . . Formed polyfoam

## WINDSHIELD WIPERS

Type ..... Concealed dual 2-speed electric  
 Linkage ..... Parallel acting with articulated left arm.

## HEADLIGHTS

Type ..... Single "Power Beam" units

## SPARE TIRE AND TOOLS

Location ..... Horizontal, front center of trunk floor. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored under tire.

## BODY GLASS VISIBILITY AREA

Windshield	1276.6
Front Door Window	1283.0
Rear Quarter Window	146.1
Rear Window	902.3
Total Area (Sq. In.)	3608.0

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

# CHASSIS

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# FRAME AND FRONT SUSPENSION

## FRAME

Description . . . . . All welded perimeter frame with front crossmember, rear axle upper control arm crossmember, and rear crossmember. Rear axle kickup box welded construction.

Body Mountings . . . . . 7 each side of frame - 12 double cushions and 2 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)

Total . . . . . 7.74

Jounce . . . . . 3.54

Rebound . . . . . 4.20

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

Inner bearing . . . . . 1.2493-1.2498

Outer bearing . . . . . .7493-.7498

Spindle thread size . . . . . 3/4-20 NEF-3 (modified)

Wheel bearing

Type . . . . . Taper roller

Number . . . . . Two per spindle

## SPHERICAL JOINTS

Type . . . . . Ball studs, upper self-adjusting for wear

Bearing surfaces

Upper . . . . . Teflon-cotton composite on phenolic

Lower . . . . . Sintered iron

## SHOCK ABSORBERS

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

Piston diameter . . . . . 1.00

## STABILIZER BAR

Type . . . . . Link

Material . . . . . HR steel

Diameter . . . . . 1.00

## FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) . . . . . Left -  $P1 \pm 1/2$ ; Right -  $P1/2 \pm 1/2$

Caster (degrees) . . . . .  $P4 - 3/4 \pm 1/2$

Toe (Total) . . . . .  $1/16 \pm 1/16$

Steering Axis Inclination . . . . .  $9.6^\circ @ 1^\circ$  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 Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs./inch)	Heights	
						Free	Working (In. @ Lbs.)
334447	KT	128.96	.668	8.49	365	16.23	11.0 @ 1900
334450	KU	132.09	.674	8.69	365	16.44	11.0 @ 1975
334451	KV	133.68	.677	8.79	365	16.64	11.0 @ 2050
334452	KW	135.26	.679	8.89	365	16.85	11.0 @ 2125
334453	KX	138.40	.685	9.09	365	17.06	11.0 @ 2200
3988116	BH	146.09	.698	9.82	365	17.26	11.0 @ 2275
3988117	BJ	147.68	.700	9.92	365	17.47	11.0 @ 2350
3988125	BT	146.63	.716	9.82	400	17.10	11.0 @ 2430
3988126	BW	148.23	.719	9.92	400	17.30	11.0 @ 2510
3988127	BX	151.40	.724	10.12	400	17.50	11.0 @ 2590
3988141	FN	116.12	.702	7.82	500	14.83	11.0 @ 1400
3988142	GN	116.15	.702	7.82	500	15.03	11.0 @ 2000
3988143	JB	128.77	.728	8.62	500	15.23	11.0 @ 2100
3988144	JI	128.79	.728	8.62	500	15.43	11.0 @ 2200
3988145	JC	128.82	.728	8.62	500	15.63	11.0 @ 2300
3988146	JD	138.34	.746	9.22	500	15.83	11.0 @ 2400
3988147	JP	138.37	.746	9.22	500	16.03	11.0 @ 2500
3988148	JE	141.57	.751	9.42	500	16.23	11.0 @ 2600
6262426	DJ	126.26	.680	8.29	400	15.90	11.0 @ 1950
626427	DK	129.40	.686	8.49	400	16.10	11.0 @ 2030
6262428	DL	130.99	.688	8.59	400	16.30	11.0 @ 2110
6262429	DM	132.58	.691	8.69	400	16.50	11.0 @ 2190
6262430	DN	135.73	.697	8.89	400	16.70	11.0 @ 2270
6272855	HE	137.32	.700	8.99	400	16.90	11.0 @ 2350

# STEERING, DRIVELINE, WHEELS AND TIRES

## STEERING

**Wheel**  
 Type . . . . . Dual with center shroud  
 Diameter . . . . . 15.25 x 14.75  
 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 - Power (standard)**  
 Type . . . . . Integral, recirculating ball nut with hydraulic pressure provided from a vane type pump.  
**Ratios**  
 Gear . . . . . 15.0:1 on center to 13.0:1  
 Overall . . . . . 16.5:1 on center to 14.3:1  
 Number of turns, lock to lock . . . . . 3.07  
**Linkage** . . . . . Parallelogram, front of wheels; hydraulic damper used on relay rod.  
**Turning Diameters (ft.)**  
 Outside front, wall to wall . . . . . 42.81  
 Outside front, curb to curb . . . . . 38.93  
 Outside wheel angle with inside wheel @ 20° . . . . 19.0

## DRIVELINE

Type . . . . . Tubular, exposed  
 Number Used . . . . . One  
 Diameter (O.D.) . . . . . 3.00  
 Length (C/L of U joints) . . . . . 57.65  
 Wall Thickness . . . . . 0.065  
**Universal Joints**  
 Type . . . . . Cross  
 Number used . . . . . Two  
 Bearings . . . . . Pre-pack, anti-friction

## WHEELS, REGULAR PRODUCTION

Type . . . . . Short spoke spider  
 Size . . . . . 15 x 7  
 Offset . . . . . 0.30  
**Attachment to Hub**  
 Type . . . . . 5 hex nuts  
 Thread size . . . . . 7/16-20 UNF 2-B  
 Bolt circle diameter . . . . . 4.75

## TIRES, STANDARD EQUIPMENT

Construction . . . . . Radial steel belted  
 Size . . . . . GR70 x 15B  
 Static loaded radius . . . . . 12.2  
 Loaded rev/mi @ 45 mph . . . . . 763  
 Capacity @ 24 psi . . . . . 1380

## TIRES, OPTIONAL EQUIPMENT

Construction . . . . . Radial steel belted  
 Size . . . . . HR70 x 15B  
 Static loaded radius . . . . . 12.4  
 Loaded rev/mi @ 45 mph . . . . . 744  
 Capacity @ 24 psi . . . . . 1510

## 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 overhang pinion hypoid drive and supported by two taper roller bearings.

Drive pinion vertical offset . . . . . 1.50  
Hypoid gear PD (See Power Train Section

Page 2 for application

2.56 & 2.73 . . . . . 8.50  
Pinion bearing adjustment . . . . . Shim  
Lubricant  
Type . . . . . Military Spec. MIL-L-2105-B  
Viscosity . . . . . SAE80  
Capacity (pts) . . . . . 4.25

### 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

2.73:1 ratio . . . . . 41, 15  
2.56 ratio . . . . . 41, 16

### 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 . . . . . 8.67  
Jounce . . . . . 3.80  
Rebound . . . . . 4.87  
Wheel to spring, travel ratio . . . . . 0.98:1

### SHOCK ABSORBERS

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

### 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 Number	Assembly Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs. per inch)	HEIGHTS	
						Free	Working (In. @ lbs.)
482062	XG	123.4	.560	7.23	115	17.39	10.0 @ 850
484799	YV	109.4	.568	6.50	140	16.07	10.0 @ 850
485685	TV	98.5	.612	5.58	175	14.00	10.0 @ 700
485686	TW	98.5	.612	5.58	175	14.29	10.0 @ 750
485687	TG	103.5	.622	5.82	175	14.57	10.0 @ 800
485688	TH	106.1	.627	5.93	175	14.86	10.0 @ 850
485689	WL	106.1	.627	5.93	175	15.14	10.0 @ 900
485690	WM	109.9	.634	6.11	175	15.43	10.0 @ 950
485706	SC	97.1	.558	5.56	125	14.80	10.0 @ 600
485707	KJ	100.9	.565	5.73	125	15.20	10.0 @ 650
485719	TU	101.5	.533	6.12	115	15.65	10.0 @ 650
485720	TE	105.8	.540	6.33	115	16.09	10.0 @ 700
485721	TF	110.8	.548	6.59	115	16.52	10.0 @ 750
485722	ZX	115.3	.555	6.82	115	16.96	10.0 @ 800
485735	TS	99.8	.558	6.01	140	14.64	10.0 @ 850
485736	TA	99.8	.558	6.01	140	15.00	10.0 @ 700
485737	ZZ	107.8	.572	6.41	140	15.36	10.0 @ 750
485738	WV	107.8	.572	6.41	140	15.71	10.0 @ 800
487390	WW	94.7	.570	5.43	140	14.29	10.0 @ 600
487391	KK	98.3	.577	5.60	140	14.64	10.0 @ 650



# BRAKES

General	Type	Power assisted 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	11.0 x 1.03		
	Lining material	Compression molded asbestos composition		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Inboard	5.40 x 1.92 x 0.465	
		Outboard	5.40 x 1.92 x 0.465	
	Lining area (sq. in.)	41.47		
	Effective area (sq. in.)	36.80		
	Swept area (sq. in.)	210.4		
Piston diameter	2.94			
Rear Brakes	Type	Finned drum - composite, web cast into rim		
	Material	Web - HR steel; Rim - Cast alloy iron		
	Diameter and Width	9.5 x 2.0		
	Lining material	Molded asbestos composition		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Primary	7.58 x 2.0 x 0.23	
		Secondary	9.84 x 2.0 x 0.30	
	Lining area (sq. in.)	69.68		
	Effective area (sq. in.)	63.72		
	Swept area (sq. in.)	116.06		
Piston diameter	0.875			
Apply System	Master cylinder diameter	1.00		
	Piston travel	1.46		
	Pedal travel	4.56		
	Pedal ratio	3.1:1		
	Line pressure @ 100 lb. pedal load	700		
Parking Brake	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	63.7		

## BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Automatic transmission Quadrant	1-168	3
Back-up	2-1156	32
Brake warning - alarm	1-168	3
Courtesy - Instrument panel	2-631	6
Directional signal indicators	2-168	3
Dome	1-211	12
Generator indicator	1-168	3
Glove compartment	1-1891	2
Headlamp	2-6014	High beam 60W Low beam 50W
Headlamp hi-beam indicator	1-168	3
Heater controls	1-1445	7
Instrument cluster	4-168	3
License plate, rear	1-168	3
Luggage compartment	1-1003	15
Oil pressure indicator	1-168	3
Parking		
Park	2-1157 NA	2
Turn		24
Radio dial RPO U63 and/or U69	1-1816	3
Radio dial and indicator	1-1816 (dial)	3-dial
RPO U58	1-66 (indicator)	1-indicator
Radio dial and indicator	1-564 (dial)	2-dial
RPO UM1 and/or UM2	1-66 (indicator)	1-indicator
Seat belt warning	1-168	3
Side Marker - Front	2-104A	2
Side marker - Rear	2-104	2
Tail		
Tail	2-1157	3
Stop and turn		32
Temperature indicator	1-168	3
Underhood	1-93	15
W/S washer and light	1-168	2

# FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel (h)
Auto. trans. position pattern lamp	4 amp fuse	Fuse panel (f)
Back-up lamps	20 amp fuse	Fuse panel (b)
Choke pull off solenoid	10 amp fuse	Fuse panel (g)
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)
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)
Override relay	10 amp fuse	Fuse panel (c)
Brake indicator lamp	10 amp fuse	Fuse panel (c)
Parking lamps	20 amp fuse	Fuse panel (d)
Power heat valve solenoid	10 amp fuse	Fuse panel (g)
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)
Seat belt warning lamp	10 amp fuse	Fuse panel (c)
Side Marker lamp - Front	20 amp fuse	Fuse panel (d)
Side Marker lamp - Rear	20 amp fuse	Fuse panel (d)
Speed cruise control	10 amp fuse	Fuse panel (c)
Starter interlock relay	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)
Idle stop solenoid	10 amp fuse	Fuse panel (g)
Transmission downshift	10 amp fuse	Fuse panel (g)
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*		RING GEAR
			STAND.	HIGHWAY	
350 Cubic Inch V-8 Std. (L65)-Not Avail. in California	3-Speed (2.85:1 low)	Sport Coupe	2.73:1	2.56:1	8.50
	Turbo Hydra-matic				
350 Cubic Inch V-8 RPO LM1 California only	Turbo Hydra-matic	Sport Coupe	2.73:1	2.56:1	8.50
400 Cubic Inch V-8 RPO LT4 All States	Turbo Hydra-matic	Sport Coupe	2.73:1	2.56:1	8.50
454 Cubic Inch V-8 RPO LS4 All States	Turbo Hydra-matic	Sport Coupe	2.73:1	2.56:1	8.50

## MULTIPLICATION FACTORS

### WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
350 Cu. In. V-8 Standard (L65) & RPO LM1	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.88:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.54:1 - 5.27:1	
400 Cu. In. V-8 RPO LT4	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.88:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.54:1 - 5.27:1	
454 Cu. In. V-8 RPO LS4	Turbo Hydra-matic	Drive	14.22:1 - 2.73:1	2.73:1
		Low	14.22:1 - 6.78:1	
		Second	14.22:1 - 4.04:1	
		Reverse	11.93:1 - 5.68:1	

\*Axle ratio x transmission ratio.

# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine Type		V-8 OHV			
Piston Displacement (Cu.In.)		350	400	454	
Availability		L65 (Std.)	LM1	LT4	LS4
Number of Cylinders		Eight			
Bore (nominal)		4.00	4.126	4.251	
Stroke (nominal)		3.48	3.75	4.00	
Compression Ratio		8.5:1			8.15:1
Taxable (SAE) Horsepower		51.2	54.5	57.8	
Firing Order		1-8-4-3-6-5-7-2			
Idling Speed - Turbo Hydra-matic (in drive)		600			
Comp. Pres. (PSI) @ Cranking Speed, Engine Hot		160			
Power Plant	Front	Two, preloaded captive cushion type			
Mountings	Rear	One, full shear type			
Measurements	Fan to rear of engine block	31.55			33.97
	Top of air cleaner to bottom of oil pan	28.52	29.60	29.60	39.12
	Width - including air cleaner	28.53			33.31

## ADVERTISED ENGINE RATION

Engine Designation	V8-350 Cu.In.	V8-350 Cu.In.	V8-400 Cu.In.	V8-454 Cu.In.
Availability	L65 (Std.)	RPO LM1	RPO LT4	RPO LS4
Carburetor	Two Barrel	Four Barrel	Four Barrel	Four Barrel
Net Brake HP @ RPM	145 @ 3800	155 @ 3800	175 @ 3600	215 @ 4000
Net Torque @ RPM (lb-ft)	250 @ 2200	250 @ 2400	305 @ 2000	350 @ 2400

# ENGINE SPEED AND PISTON TRAVEL

## V-8 350 CU. IN. ENGINE (Base L65 & RPO LM1)

Transmission	3-Speed (a)	Turbo Hydra-matic
Rear Axle Ratio	2.73:1	2.73:1
Tire Size	GR70 x 15B	GR70 x 15B
Crankshaft Revolutions per Mile	2083.0	2083.0
Crankshaft RPM @ 1 MPH	Low	98.9
	Second	58.3
	Third	34.7
	Reverse	102.4
Piston Travel (ft/mile)	1208.1	1208.1

● (a) Not available with RPO LM1

## V-8 400 CU. IN. ENGINE (RPO LT4)

Transmission	Turbo Hydra-matic
Rear Axle Ratio	2.73:1
Tire Size	GR70 x 15B
Crankshaft Revolutions per Mile	2083.0
Crankshaft RPM @ 1 MPH	Low
	Second
	Third
	Reverse
Piston Travel (ft/mile)	1301.9

## V-8 454 CU. IN. ENGINE (RPO LS4)

Transmission	Turbo Hydra-matic
Rear Axle Ratio	2.73
Tire Size	GR70 x 15B
Crankshaft Revolutions per Mile	2083.0
Crankshaft RPM @ 1 MPH	Low
	Second
	Third
	Reverse
Piston Travel (ft/mile)	1388.7

## VEHICLE PERFORMANCE FACTORS

ENGINE	350 CU.IN. 145 HP	350 CU.IN. 155 HP	400 CU.IN. 175 HP	454 CU.IN. 215 HP
MODEL	1AH57	1AH57	1AH57	1AH57

### 3-SPEED TRANSMISSION

Performance Weight (pounds)	4527	4531		
Pounds per Net Horsepower	31.22	29.23		
Pounds per Cu.In. Displacement	12.93	12.94		
Net HP per Cu.In. Displacement	.414	.443		
Power Displacement (cu.ft./mile)	210.95	210.95		
Displacement Factor (cu.ft./ton mile)	93.34	93.34		

### TURBO HYDRA-MATIC

Performance Weight (pounds)	4557	4561	4573	4781
Pounds per Net Horsepower	31.43	29.43	26.13	22.24
Pounds per Cu.In. Displacement	13.02	13.03	11.43	10.53
Net HP per Cu.In. Displacement	.414	.443	.437	.473
Power Displacement (cu.ft./mile)	210.95	210.95	241.09	273.63
Displacement Factor (cu.ft./ton mile)	92.52	92.52	105.28	114.49

### GLOSSARY

Performance Weight	Curb Weight plus 600 Lb (weight of four 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$



# PRINCIPAL COMPONENTS

## CYLINDER BLOCK

Material	Cast alloy iron
Bore diameter	
V8-350 Cu.In.	3.9995-4.0025
V8-400 Cu.In.	4.1245-4.1275
V8-454 Cu.In.	4.2500-4.2520
No. of Bulkheads	5
Water Jacket	Full length around each cyl. exc. V8-400
Bearing Caps (Number, material and attachment)	
V8-350 & 400 Cu.In.	5, cast iron; 2-bolt
V8-454 Cu.In.	5, cast iron; 2-bolt
Bore Spacing (Centerline to Centerline)	
V8-350 & 400 Cu.In.	4.4
V8-454 Cu.In.	4.84

## CYLINDER HEAD

Material	High chrome cast alloy iron
Bolt No. & Size	
V8-350 Cu.In.	34; .4375 dia. 14 threads/in.
V8-454 Cu.In.	32; .4375 dia. 14 threads/in.
V8-400 Cu.In.	32; .4375 dia. 14 threads/in.

## COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)	
V8-350 Cu.In.	6.27 Cu.In.
V8-400 Cu.In.	6.99 Cu.In.
V8-454 Cu.In.	8.24 Cu.In.

## INLET MANIFOLD

Material	Cast alloy iron
Type	8 port, double deck

## EXHAUST MANIFOLD

Material	Cast alloy iron
Type	
V8-350 & 400 Cu.In.	Dual, 4 port, rear takedown
V8-454 Cu.In.	Dual, 4 port, rear takedown
Outlet Diameter (Nominal)	
V8-350 & 400 Cu.In.	2.0
V8-454 Cu.In.	2.5

## CRANKSHAFT

Material	
V8-350 & 400 Cu.In.	Cast nodular iron
V8-454 Cu.In.	Cast nodular iron
End Play	
V8-350 & 400 Cu.In.	.002-.007
V8-454 Cu.In.	.006-.010
Counter Weights	6
Crank Arm Length	
V8-350 Cu.In.	1.74
V8-400 Cu.In.	1.88
V8-454 Cu.In.	2.00
Torsional Damper	Rubber mounted inertia
Timing Gear	Steel; sprocket & chain
Pulley Pitch Diameter	6.64

## MAIN BEARINGS

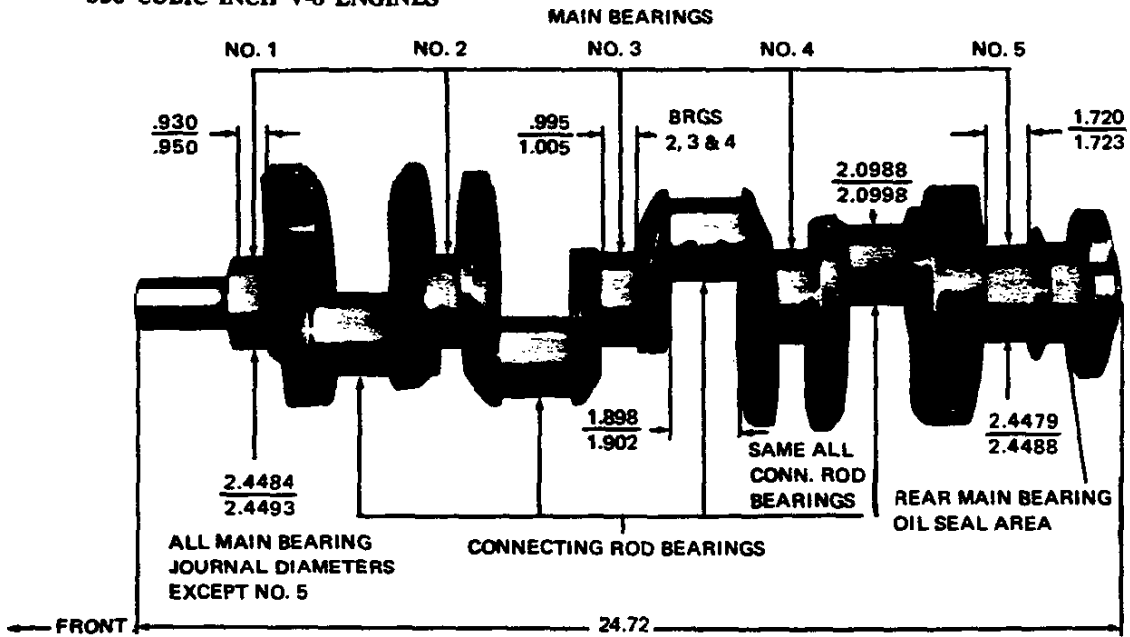
Material	Steel, backed insert; (copper lead alloy or premium aluminum lining selected for specific engine application)
Type	Precision removable
Thrust Against Bearing	No. 5
Clearance	
V8-350 & 400 Cu.In.	
No. 1	.0008-.0020
No. 2, 3 & 4	.0011-.0023
No. 5	.0017-.0033
V8-454 Cu.In.	
No. 1	.0007-.0019
No. 2, 3 & 4	.0013-.0025
No. 5	.0019-.0035

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area
V8-350 Cu.In.			
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.180	2.8919
V8-400 Cu. In.			
Bearing No. 1-4	2.6503	.752	1.9930
Bearing No. 5	2.6509	1.181	3.1307
V8-454 Cu.In.			
Bearing No. 1	2.7499	.992	2.7279
Bearing No. 2-4	2.7504	.992	2.7284
Bearing No. 5	2.7499	1.256	3.4535

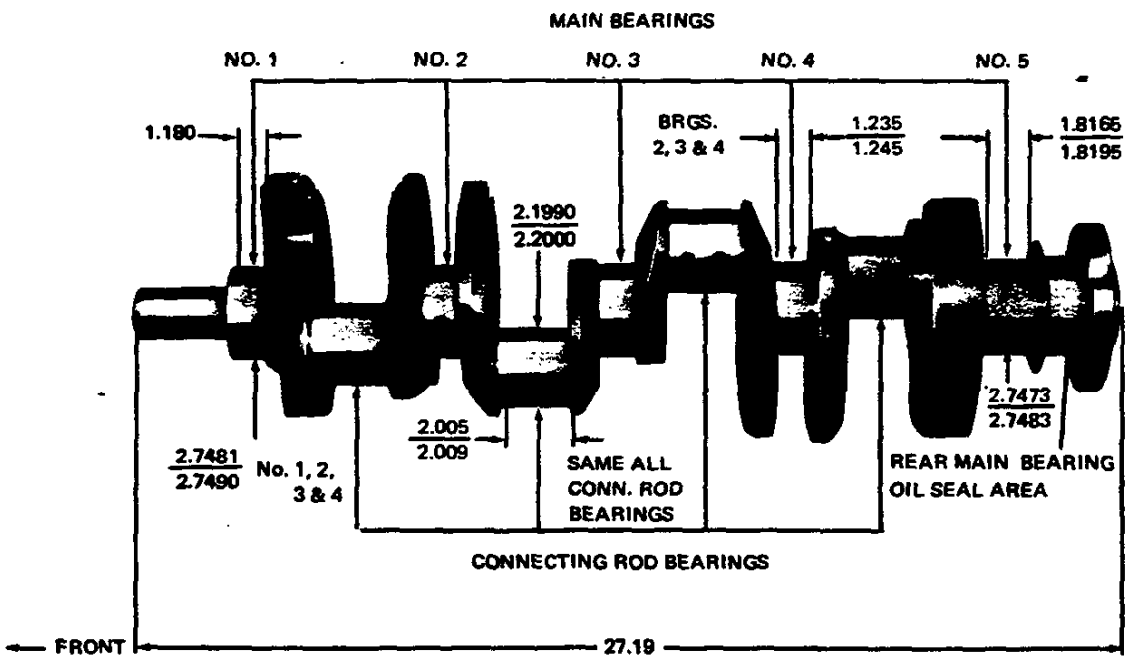
# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

### 350 CUBIC INCH V-8 ENGINES



### 454 CUBIC INCH V-8 ENGINE



# PRINCIPAL COMPONENTS

## CAMSHAFT

Material	Cast alloy iron
Drive	Sprocket & chain; steel
Lobe Lift	
V8-350 & 400 Cu.In.	.2600 Inlet; .2733 Exhaust
V8-454 Cu.In.	.2588 Inlet & Exhaust
Bearings	Steel backed babbit

## VALVE TRAIN

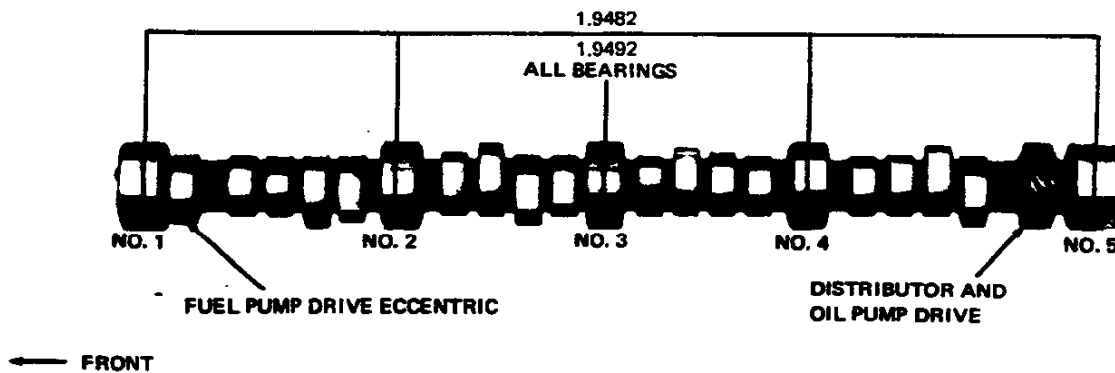
Type	Individually mounted, overhead rocker arms, push rod actuated
Lifters	Hydraulic
Push Rods	
Type	Hollow steel
Ends	
V8-350 & 400 Cu.In.	Hardened
V8-454 Cu.In.	Hardened steel inserts
Rocker Arms	
Material	Stamped steel
Ratio	
V8-350 & 400 Cu.In.	1.50:1
V8-454 Cu.In.	1.70:1
Rotators	Exhaust

## VALVE SPRINGS

Diameter (I.D.)	
V8-350 Cu.In.	.868-.884
V8-400 Cu.In.	.868-.884
V8-454 Cu.In.	1.082-1.098
Installed Length (lb. @ In.)	
Valves Closed	
V8-350 & 400 Cu.In.	
Inlet	76-84 @ 1.70
Exhaust	76-84 @ 1.61
V8-454 Cu.In.	84-96 @ 1.80
Valves Opened	
V8-350 & 400 Cu.In.	
Inlet	194-206 @ 1.25
Exhaust	194-206 @ 1.16
V8-454 Cu.In.	210-230 @ 1.40
Free Length	
V8-350 Cu.In.	2.03
V8-400 Cu.In.	2.03
V8-454 Cu.In.	2.09
Valve Spring Damper	
V8-350 Cu.In.	Flat steel, 4 coils
V8-400 Cu.In.	Flat steel, 4 coils
V8-454 Cu.In.	Flat steel, 4 coils

## CAMSHAFT AND BEARINGS

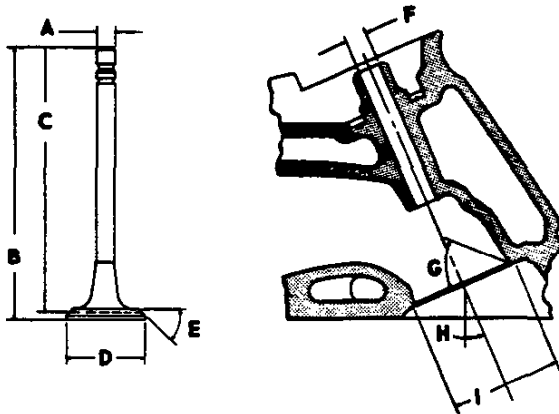
### V8-454 ENGINES



# PRINCIPAL COMPONENTS

## VALVES - INLET

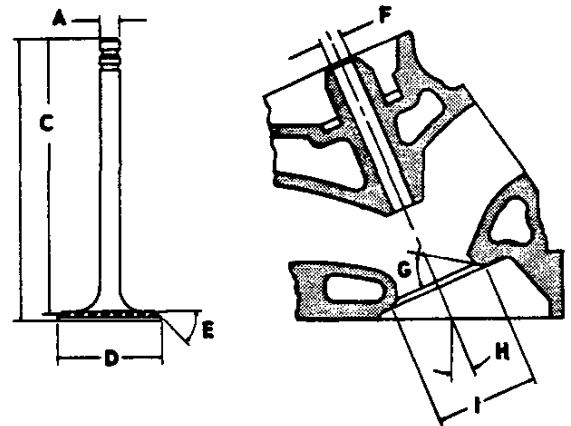
Material .....	Alloy steel
Coating	
V8-350 Cu.In. ....	None
V8-400 Cu.In. ....	Aluminized face
V8-454 Cu.In. ....	Face & head aluminized
All Stems .....	Chrome flash
Valve Guide Inserts (454 Cu.In.) .....	Cast alloy iron



A - Stem Diameter	
V8-350 & 400 Cu.In. ....	.3410-.3417
V8-454 Cu.In. ....	.3715-.3722
B - Overall Length	
V8-350 & 400 Cu.In. ....	4.870-4.889
V8-454 Cu.In. ....	5.215-5.235
C - Gage Length	
V8-350 & 400 Cu.In. ....	4.785-4.795
V8-454 Cu.In. ....	5.115-5.125
D - Overall Head Diameter	
V8-350 & 400 Cu.In. ....	1.935-1.945
V8-454 Cu.In. ....	2.060-2.070
E - Angle of Face .....	45°
F - Guide Diameter	
V8-350 & 400 Cu.In. ....	.3427-.3437
V8-454 Cu.In. ....	.3732-.3742
G - Angle of Seat .....	46°
H - Valve Angle	
V8-350 & 400 Cu.In. ....	23°
V8-454 Cu.In. ....	4°
I - Valve Seat Diameter	
V8-350 & 400 Cu.In. ....	1.823-1.829
V8-454 Cu.In. ....	1.962-1.968

## VALVES - EXHAUST

Material .....	High alloy steel
Coating	
V8-350 Cu.In. ....	Aluminized face
V8-400 Cu.In. ....	Aluminized face
V8-454 Cu.In. ....	Face & head aluminized
All Stems .....	Chrome flash
Valve Guide Inserts (454 Cu.In.) .....	Cast alloy iron



A - Stem Diameter	
V8-350 & 400 Cu.In. ....	.3410-.3417
V8-454 Cu.In. ....	.3713-.3720
B - Overall Length	
V8-350 & 400 Cu.In. ....	4.910-4.930
V8-454 Cu.In. ....	5.345-5.365
C - Gage Length	
V8-350 & 400 Cu.In. ....	4.781-4.791
V8-454 Cu.In. ....	5.235-5.245
D - Overall Head Diameter	
V8-350 & 400 Cu.In. ....	1.495-1.505
V8-454 Cu.In. ....	1.715-1.725
E - Angle of Face .....	45°
F - Guide Diameter	
V8-350 & 400 Cu.In. ....	.3427-.3437
V8-454 Cu.In. ....	.3732-.3742
G - Angle of seat .....	46°
H - Valve Angle	
V8-350 & 400 Cu.In. ....	23°
V8-454 Cu.In. ....	4°
I - Valve Seat Diameter	
V8-350 & 400 Cu.In. ....	1.321-1.327
V8-454 Cu.In. ....	1.583-1.589

# PRINCIPAL COMPONENTS

## VALVE TIMING (Crankshaft degrees - Excluding Ramps)

### V8-350 Cu.In.

#### Inlet Valve (Zero lash)

Opens - BTC	28°
Closes - ABC	72°
Duration	280°

#### Exhaust Valve (Zero lash)

Opens - BBC	78°
Closes - ATC	30°
Duration	288°

### V8-400 Cu.In.

#### Inlet Valve (Zero lash)

Opens - BTC	28°
Closes - ABC	72°
Duration	280°

#### Exhaust Valve (Zero lash)

Opens - BBC	78°
Closes - ATC	30°
Duration	288°

### V8-454 Cu.In. (LS4)

#### Inlet Valve (Zero lash)

Opens - BTC	55°
Closes - ABC	111°
Duration	346°

#### Exhaust Valve (Zero lash)

Opens - BBC	105°
Closes - ATC	63°
Duration	348°

## VALVE LIFT

V8-350 & 400 Cu.In. . . . .3900 Inlet; .4100 Exhaust

V8-454 Cu.In. . . . .4400 Inlet & Exhaust

## PISTONS

Material . . . . . Cast aluminum alloy

### Head Type

V8-350 Cu.In.	Sump head
V8-400 Cu.In.	Sump head
V8-454 Cu.In.	Flat head, valve cutout

Skirt Type . . . . . Slipper

### Top Land Clearance

V8-350 Cu.In.	.0235-.0325
V8-400 Cu.In.	.0365-.0455
V8-454 Cu.In.	.0270-.0330

### Skirt Clearance

V8-350 Cu.In.	.0007-.0017
V8-400 Cu.In.	.0014-.0024
V8-454 Cu.In.	.0018-.0028

### Compression Ring Groove Depth

V8-350 Cu.In.	.2218-.2308
V8-400 Cu.In.	.2328-.2393
V8-454 Cu.In.	.2350-.2410

### Oil Ring Groove Depth

V8-350 Cu.In.	.2038-.2128
V8-400 Cu.In.	.2183-.2248
V8-454 Cu.In.	.2185-.2245

Pin Bore Offset . . . . .055-.065

### Compression Height

V8-350 & 400 Cu.In.	1.558-1.562
V8-454 Cu.In.	1.641-1.649

## PISTON PINS

Material . . . . . Chromium steel

### Length

V8-350 & 400 Cu.In.	2.990-3.010
V8-454 Cu.In.	2.930-2.950

### Diameter

V8-350 & 400 Cu.In.	.9270-.9273
V8-454 Cu.In.	.9895-.9898

### Clearance in Piston

V8-350 Cu.In.	.00025-.00035
V8-400 Cu.In.	.00025-.00035
V8-454 Cu.In.	.00030-.00040

Pin Mounting . . . . . Locked in rod by shrink fit

# PRINCIPAL COMPONENTS

## COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
V8-350 Cu.In.	Chrome plate
V8-400 Cu.In.	Wear resistant coating and molybdenum inlay
V8-454 Cu.In.	Wear resistant coating, molybdenum inlay and graphite impregnated
Width	
V8-350 Cu.In.	.0775-.0780
V8-400 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
V8-350 Cu.In.	.190-.200
V8-400 Cu.In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	
V8-350 & 400 Cu.In.	.010-.020
V8-454 Cu.In.	.010-.020

## COMPRESSION RINGS - LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 30 degrees to piston vertical axis for V8-350 & 400, and 28°-52° for V8-454)
Face	Tapered
Coating	Wear resistant
Width	
V8-350 Cu.In.	.0770-.0775
V8-400 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
V8-350 Cu.In.	.190-.200
V8-400 Cu.In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	
V8-350 Cu.In.	.013-.025
V8-400 Cu.In.	.010-.020
V8-454 Cu.In.	.010-.020

## OIL CONTROL RINGS

Type	Multi-piece (Two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Width (assembled)	
V8-350 Cu.In.	.1850-.1870
V8-400 Cu.In.	.1850-.1870
V8-454 Cu.In.	.1832-.1852
Wall Thickness	
V8-350 Cu.In.	.150-.156
V8-400 Cu.In.	.144-.150
V8-454 Cu.In.	.144-.150
Gap	
V8-350 Cu.In.	.015-.055
V8-400 Cu.In.	.010-.025
V8-454 Cu.In.	.010-.035
Rail Coatings	Chrome plated

## CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
V8-350 Cu.In.	5.695-5.705
V8-400 Cu.In.	5.560-5.570
V8-454 Cu.In.	6.130-6.140

## CONNECTING ROD BEARINGS

Material	Premium aluminum
Type	Precision removable
Clearance	
V8-350 & 400 Cu.In.	.0013-.0035
V8-454 Cu.In.	.0009-.0025
Theoretical I.D.	
V8-350 & 400 Cu.In.	2.1012
V8-454 Cu.In.	2.2012
Effective Length	
V8-350 & 400 Cu.In.	.797
V8-454 Cu.In.	.847
End Play	
V8-350 Cu.In.	.006-.016
V8-400 Cu.In.	.008-.014
V8-454 Cu.In.	.015-.023

# FUEL SYSTEM

## FUEL TANK

Capacity ..... 22 (approximately)  
Fuel Tank Location ..... Behind rear axle  
Filler Location ..... Behind hinged  
rear license plate

## FUEL FILTERS, DUAL

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

## FUEL PUMP ASSEMBLY

Type ..... Mechanical; diaphragm  
Drive ..... Camshaft, eccentric  
Location ..... Right side front of engine  
Pressure Range (shut off pressure at 1800 RPM)  
V8-350 Cu.In. .... 7.50-9.00 PSI at pump outlet  
V8-400 Cu.In. .... 7.50-9.00 PSI at pump outlet  
V8-454 Cu.In. .... 7.50-9.00 PSI at pump outlet

## AIR CLEANER

Type ..... Cylindrical with air horn  
attached to ducted air inlet  
Diameter ..... 15.48  
Filter Element ..... Oil-wetted paper

## CARBURETORS

Make and Type  
V8-350 Cu.In. .... 2-barrel  
V8-400 Cu.In. .... 4-barrel  
V8-454 Cu.In. .... 4-barrel  
SAE Flange Size  
V8-350 Cu.In. .... 1.50  
V8-400 Cu.In. .... 1.50  
V8-454 Cu.In. .... 1.50  
Throttle Bore  
V8-350 Cu.In. .... 1.69  
V8-400 & 454 Cu.In.  
Primary ..... 1.38  
Secondary ..... 2.25  
Secondary Throttle Actuation ..... By linkage,  
approximately when primary valves are  
opened half way between closed and open  
Venturi Diameter  
V8-350 Cu.In. .... 1.19  
V8-400 & 454 Cu.In.  
Primary ..... 1.218  
Secondary ..... Air Valve

## CHOKE

Type ..... Automatic

## TYPE

V8-350 & 400 Cu.In. . . . . Single exhaust and  
converter with crossover pipes  
V8-400 (California) & V8-454 Cu.In. . . Dual exhaust,  
single converter with crossover pipes

## MUFFLERS

Type . . . . . Oval, reverse flow  
Construction . . . . . Heads and body joined  
by rolled lock seam construction

### Head

V8-350 Cu.In. . . . . .054 sheet steel, aluminized  
V8-400 Cu.In. . . . . .054 sheet steel, aluminized  
V8-454 Cu.In. . . . . .054 sheet steel, aluminized

### Shell

V8-350 & 400 Cu.In. . . . . .054 sheet steel,  
zinc coated  
V8-454 Cu.In. . . . . .054 sheet steel, zinc coated

Cover . . . . . .015 sheet steel, aluminized

### Baffles

V8-350 Cu.In. . . . No. 1 & 4-.048 zinc coated steel  
No. 2 & 3-.036 zinc coated steel  
V8-400 Cu.In. . . . No. 1 & 3-.048 zinc coated steel  
No. 2 & 4-.036 zinc coated steel  
V8-454 Cu.In. . . . No. 1 & 4-.048 zinc coated steel  
No. 2 & 3-.036 zinc coated steel

Length, Body . . . . . 21.25

### Width

V8-350 Cu.In. . . . . 10.50  
V8-400 Cu.In. . . . . 10.50  
V8-454 Cu.In. . . . . 11.00

### Height

V8-350 Cu.In. . . . . 4.06  
V8-400 Cu.In. . . . . 4.06  
V8-454 Cu.In. . . . . 4.50

## EXHAUST CROSSOVER PIPE TO CONVERTER

### Dimensions (O.D.) & Wall Thickness

V8-350 & 400 Cu.In. . . . . 2.00 x .079 laminated  
V8-400 (California) &  
454 Cu.In. . . . . 2.25 x .079 laminated

## EXHAUST PIPE - CONVERTER TO MUFFLER

### Dimensions (O.D.) & Wall Thickness

V8-350 & 400 Cu.In. . . . . 2.50 x .071  
V8-400 (California)  
& V8-454 Cu.In. . . . . 2.25 x .071

## PIPE MUFFLER TO RESONATOR (V8-400)

Dimensions (O.D. & Wall Thickness) . . . . 2.00 x .056

## RESONATOR (V8-400)

Type . . . . . Bottle type  
Inner Tube . . . . . .036 sheet steel, aluminized  
Outer Tube . . . . . .060 sheet steel, aluminized

## TAIL PIPES

### Dimensions (O.D.) & Wall Thickness

V8-350 Cu.In. . . . . 2.25 x .071  
V8-400 Cu. In. . . . . 2.50 x .071  
V8-400 (California) &  
V8-454 Cu.In. . . . . 2.00 x .056



# EMISSION CONTROL EQUIPMENT

## SYSTEM APPLICATION

System Type	Engine Adaptation			
	V8-350		V8-400	V8-454
	L65	LM1		
PCV - Positive Crankcase Ventilation	*	**	***	*
EGR - Exhaust Gas Recirculation	*	**	***	*
CHA - Carburetor Hot Air	*	**	***	*
CAI - Converter Air Injection		**	***	
FEC - Fuel Evaporation Control System	*	**	***	*
CCS - Controlled Combustion System	*	**		
UFC - Underfloor Converter	*	**	***	*
EFE - Early Fuel Evaporation	*	**	***	*
MAI - Manifold Air Injection				*

- \*-Not available in California
- \*\* -California only.
- \*\*\* -Available - all states.

## 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.

### CONVERTER AIR INJECTION

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

### FUEL EVAPORATION CONTROL SYSTEM

Controls emission of gasoline vapor 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 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.

# LUBRICATION SYSTEM

## GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Piston Pins	Splash
Cylinder Walls	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	Centrifugally oiled from front camshaft bearing

### Oil Pressure Sending Unit

Type	Electric
Actuation	Opens or closes circuit @ 2 to 6 PSI

### Oil Filler

Cap	Positive seal
Location	
V8-350 & 400 Cu.In.	Rearward of left rocker cover
V8-454 Cu.In.	Top center of right rocker cover

## OIL PAN CAPACITIES (Quarts)

Refill	4
Refill with Filter Change	4.5

## LUBRICANT GRADES AND TEMPERATURES

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

## OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs
Oil Pressure (bench test, no flow conditions)	
V8-350 & 400 Cu.In.	32-40 PSI @ 2000 RPM
V8-454 Cu.In.	42-46 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM) (Theoretical)	
V8-350 Cu.In.	4.3 @ 2000
V8-454 Cu.In.	6.0 @ 2000

## OIL FILTER

Type	Full flow, throwaway canister
Location	Left rear side of engine
Capacity (pints)	One
Bypass Valve	Opens between 9 to 11 PSI drop in pressure

## OIL PAN DRAIN PLUG

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

## OIL DIP STICK - LOCATION

V8-350 & 400 Cu.In.	Left side, rear of engine block
V8-454 Cu.In.	Right side, center direct to oil pan

# COOLING SYSTEM

## GENERAL

Type	Liquid, pressurized
Capacity with Heater	
V8-350 & 400 Cu.In.	18 Qts.
V8-454 Cu.In.	23 Qts.

## RADIATOR

Make and Type	Harrison, tube and center
Core Constant	
Distance between Fins	
V8-350 Cu.In.	.18
V8-400 Cu.In.	.20
V8-454 Cu.In.	.18
Distance between Tubes	.55
Thickness of core	
V8-350 Cu.In.	1.24
V8-400 Cu.In.	1.96
V8-454 Cu.In.	1.96
Frontal Area (Sq.In.)	480
Overflow	Separate coolant bottle

## RADIATOR, HEAVY DUTY (RPO V01)

Core Constant	
Distance between Fins	
V8-350 Cu.In.	.14
V8-400 Cu.In.	.14
V8-454 Cu.In.	.14
Distance between Tubes	.55
Thickness of core	
V8-350 Cu.In.	1.96
V8-400 Cu.In.	1.96
V8-454 Cu.In.	1.96
Frontal Area (Sq.In.)	480
Overflow	Separate coolant bottle

## RADIATOR CAP RELIEF VALVE

Opens at	Approximately 15 PSI
----------	----------------------

## THERMOSTAT

Type	Pellet
Begins to Open at	192°-198°
Fully Opened at	227°
Thermostat By-Pass Hose (V8-454)	.745 ID

## RADIATOR HOSE

Outlet, Lower (Radiator to Water Pump)	1.75 I.D.
Inlet, Upper (Thermostat Hsg. to Radiator)	1.50 I.D.

## FAN

Number of Blades	
V8-350 & 400 Cu.In.	4
V8-454 Cu.In.	7
Diameter	
V8-350 & 400 Cu.In.	19.00
V8-454 Cu.In.	19.50

## BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used	One
Angle of "V"	34°-38°
Pitch Line	
V8-350 & 400 Cu.In. used in all states except California	44.50
V8-350 & 400 Cu.In. (used in California)	47.50
V8-454 Cu.In.	46.50
Width	.380

## WATER PUMP

Type	Centrifugal
Capacity	
V8-350 Cu.In.	21.6 GPM @ 2000 Engine RPM
V8-400 Cu.In.	22.1 GPM @ 2000 Engine RPM
V8-454 Cu.In.	24.5 GPM @ 2000 Engine RPM
Bearing	Permanently lubricated double row ball
Drive	Fan belt
Ratio (Pump to Engine RPM)	
V8-350 & 400 Cu.In.	.949:1
V8-454 Cu.In.	1.25:1

## DRAIN LOCATIONS AND TYPE

Engine Block-Plug	
V8-350 Cu.In.	Right and left center
V8-454 Cu.In.	Left side-rear of block Right side - center of block
Radiator - Petcock	
All radiators	Lower left rear face

# ELECTRICAL SYSTEM

## SUPPLY SYSTEM

### BATTERY

Voltage Rating and Watts	
V8-350 & 400 Cu.In. ....	12-2900
V8-454 Cu.In. ....	12-4000
Number of Cells and Plates	
V8-350 & 400 Cu.In. ....	6-66
V8-454 Cu.In. & Heavy Duty ....	6-78
Cold Cranking Rating	
V8-350 & 400 Cu.In. ....	0° @ 350 amps.
-20° @ 270 amps @ 100 minutes reserve capacity	
V8-454 Cu.In. & Heavy Duty ....	0° @ 445 amps.
-20° @ 375 amps @ 125 minutes reserve capacity	
Terminal Grounded	Negative
Location	Right side front of engine compartment

## GENERATOR

Type	Diode rectified
Rating	
Amps	37
Volts	12
Drive	By fan belt
Pulley Pitch Diameter	2.43
Ratio (Gen. to Engine Speed)	2.73:1; (V8-454) 3.12:1

## REGULATOR

Type	Micro circuit unit; integral with alternator
Voltage	13.8-14.8 @ 85 degrees F

## IGNITION SYSTEM

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

## COIL

Type	12-Volt
Amperes Drawn	
Engine Stopped	4.0
Engine Idling	1.8

## SPARK PLUGS

Type	ACR44TX
Thread Size (mm)	14
Gap	.060
Torque	25 lb. ft.

CABLE ..... 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	70-99
Volts	10.6
RPM	7800-12000
Motor Drive	
Engagement	Solenoid
Pinion Tooth No.	9
Flywheel Tooth No.	
V8-350 & 400 Cu.In.	153
V8-454 Cu.In.	168

DISTRIBUTORS	Transmission	V8-350 Cu.In.	V8-350 Cu.In.	V8-400 Cu.In.	V8-454 Cu.In.
		L65	LM1	LT4	LS4
Model	Manual	1112880	1112880	-	-
	Automatic	1112880	1112880	1112882	1112886
Type		High Energy Ignition			
Centrifugal advance Begins @ RPM		0° @ 1200		0° @ 1000	0° @ 1100
Maximum degrees @ RPM		22° @ 4200		15° @ 2800	18° @ 4200
Vacuum advance begins @ In. Hg.		0° @ 4		0° @ 8	0° @ 4
Maximum degrees @ In. Hg.		18° @ 12		15° @ 15	18° @ 7
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line disconnected	Manual	6° BTC @ 800			
	Automatic	6° BTC @ 600	6° BTC @ 600	8° BTC @ 600	16° BTC @ 600
Timing mark location		Torsional damper			

# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type - Cubic Inch	V8-350	
	Availability	Standard	
Clutch for		3-Speed	
Type		Single dry disc, semi-centrifugal	
Clutch cover & pressure plate	Eff. plate load, lbs.	2100-2300	
	Press. plate matl.	Nodular Iron	
	Clutch spring type	Diaphragm bent finger design	
	Clutch spring matl.	Heat treated spring steel	
Driven plate	Type	Single disc with two friction surfaces	
	Cushions	Flat spring steel between friction rings	
	Damper	10 Coil springs (5 sets of two)	
	Friction ring	OD	10.34
		ID	6.50
	Friction ring	Total area Sq. In.	101.54
Material		Premium grade woven asbestos	
Flywheel & Ring gear	Flywheel	Material	Cast Iron
		Material	Nodular Iron
	Ring gear	No. of teeth	168
		PD	14.00
Bearings	Release	Type	Single row ball
		Lubrication	None, prepacked
	Pilot	Type	Bronze bushing
		Lubrication	Sintered oil impregnated
Controls	Clutch fork	Drop forged steel, pivot mounted on ball	
	Pedal mounting	Pendant, from brace on dash	
	Lubrication	Crossover shaft	
Clutch housing material		Aluminum alloy	

## 3-SPEED TRANSMISSION

Transmission Type		3-Speed	
Engine	Type	V8-350	
	Availability	Standard	
Case Material		Cast iron	
Gear Shift	Type	Remote	
	Control	Lever	
	Location	Steering column	
Gears	Type	Helical	
	Material	Forged steel, hardened	
	Synchronization	All forward gears	
	Constant mesh gear	All gears	
	Sliding gears	None	
	Ratios	First	2.85
		Second	1.68
		Third	1.00
Reverse		2.95	
Lubricant	Type	Meeting Military Specifications MIL-L-2105B	
	Capacity (pts)	3	
Extension	Material	Cast iron	
	Oil seal	Steel encased seal of spring loaded silicone	

# TRANSMISSIONS

## TURBO HYDRA-MATIC TRANSMISSIONS

Engine	Displacement	V8-350 & 400	V8-454	
<b>General</b>	Type	Automatic Hydraulic torque converter with compound planetary gear system - three forward speeds and reverse.		
	Selector lever	Location	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	
	Flywheel assembly		Steel stamping with welded on ring gear	
	Oil pressure pump		Supplies hydraulic pressure from an engine driven gear type pump	
	<b>Hydraulic System</b>	Type	Steel spool valve	
Valves		Manual	Establishes range of transmission operation	
		Pressure regulator	Provides main line pressure	
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1	
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2	
Modulator		Regulates line pressure with modulator oil pressure which varies with torque to transmission		
Accumulator		Provides greater flexibility in attaining desired shift quality for various engine requirements		
Pressure @ Idle (a)		Drive	60	70
		L2	87	150
		L1	87	150
	Reverse	91	107.5	
<b>Converter Assembly</b>	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	2.10
	Stall speed (RPM)		2110	
	Diameter (nominal)		11.75	12.20
<b>Planetary Gear Set</b>	Reaction carrier assembly		4 steel pinion gears	
	Output carrier assembly		4 steel pinion gears	
	Front band		Circular steel with organic lining	Double wrap circular steel
	Rear band		Circular steel with organic lining	
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1	2.48:1 - 1.48:1 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1	2.48:1 - 1.48:1
		L1 (Low one)	2.52:1	2.48:1
		R (Reverse)	1.93:1	2.08:1
Servo Unit		Piston with release spring and inner cushion spring		
Case		Aluminum		
<b>Clutches</b>	Type		Four, multiple disk	Three, multiple disk
	Material	Drive plates	Steel with bonded organic facings	
		Driven plates	Flat steel	
	Forward clutch		5 each drive & driven plates	5 each drive & driven plates
	Direct clutch		4 each drive & driven plates	5 each drive & driven plates
	Intermediate clutch		3 each drive & driven plates	3 each drive & driven plates
	Low & Reverse clutch		5 each drive & driven plates	5 each drive & driven plates
Release spring		Radial row steel coil		
<b>Torque Multiplication</b>	Drive (maximum)		5.04:1 to 1.00	5.21:1 to 1.00
	Low 2		5.04:1 to 1.52	5.21:1 to 1.48
	Low 1		5.04:1 to 2.52	5.21:1 to 2.48
	Reverse		3.86:1 to 1.93	4.37:1 to 2.08
<b>Governor</b>	Type		Cross-axis centrifugal	
	Operation		Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves	
<b>Lubricant</b>	Type		A suffix A	
	Capacity (pints)	Dry	20	22
Refill		8	9	

(a) Floor mounted when console is used quadrant changes to P-R-N-3-2-1.  
 (b) 600 RPM input

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# 1975 MVMA Specifications Form Passenger Car

Manufacturer  Chevrolet Motor Division General Motors Corporation	Car Line  MONTE CARLO "S"	
Mailing Address  Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	Model Year  1975	Issued: <u>September, 1974</u> Revised (•)

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# MVMA Specifications Form

## Passenger Car

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#### NOTES

1. For General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.
  - c. All dimensions are in inches.

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

Car Line MONTE CARLO "S"  
Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_

**Car Models**

Model Description	Make, Car Line, Series, Body Type (Mfr's Model Code)	Max. Number of Passengers (Front/Rear)	
MONTE CARLO "S"	<u>Model</u>	<u>Front</u>	<u>Rear</u>
2-Door Sport Coupe	IAH57	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 "S"  
 Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_

## Car and Body Dimensions See Key Sheets, Pgs 30-33

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for: 4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

Body Type	
SAE Ref. No.	SPORT COUPE

### Width

Tread - Front	W101	61.9
Tread - Rear	W102	61.1
Maximum overall car width	W103	77.6
Body width at No. 2 pillar	W117	--
Max. front doors open	W120	171.3
Max. rear doors open	W121	--

### Length

Body "O" to front of dash	L 30	-0.5
Wheelbase	L101	116.0
Overall car length	L103	213.3 (a)
Overhang - front	L104	43.8 (a)
Overhang - rear	L105	53.5 (a)
Body upper structure length	L123	94.6
Body "O" line to C/L of rear wheel	L127	93.5
Body "O" line to w/s cowl point	L130	10.5

### Height

Passenger Distribution (front & rear)	*	2-3
Trunk/Cargo load (lbs.)	*	0
Overall height	H101	52.7
Cowl height	H114	38.5
Deck height	H138	36.8
Rocker panel - front	H112	To ground 8.6
From front wheel C/L		--
Bottom of front door to ground	H133	8.9
Rocker panel - rear	H111	To ground 8.0
From rear wheel C/L		--
Bottom of rear door to ground	H135	--
Windshield slope angle	H122	56.5

### Ground Clearance

Bumper to ground - front	H102	12.4
Bumper to ground - rear	H104	11.7
Angle of approach	H106	16° 33'
Angle of departure	H107	17° 21'
Ramp breakover angle	H147	13° 12'
Rear axle differential to ground	H153	7.0
Min. running clearance (Specify)	H156	4.9 (b)

\* All measurements are made at the stated passenger and trunk/cargo loadings

(a) With Impact Strips L 103 - 213.7  
 L 104 - 44.2  
 L 105 - 53.6

(b) Catalytic Converter

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

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (•) \_\_\_\_\_

**Exterior Body Dimensions** See Key Sheets Pas 30-33

SAE Ref. No.	Body Type
	SPORT COUPE

**Front Compartment**

Point to body C line	L31	42.3
Effective head room	H61	37.5
Effective T Point head room	H75	37.7
Min. effective leg room - operator	L34	42.4
Point to heel point	H30	8.4
Point to knee	L17	5.1
Shoulder room	W3	58.8
Hip room	W5	54.8
Upper body opening to ground	H50	49.2
Upper Body Angle Vertical	H18	17.9°
View Angle Front	L40	26.3°

**Rear Compartment**

Rear Compartment distance	L50	31.0
Effective head room	H63	37.4
Effective T Point head room	H76	37.2
Min. effective leg room	L51	32.9
Point to Heel point	H31	10.1
Min. knee room	L48	- 1.3
Rear Compartment room	L3	24.2
Shoulder room	W4	58.1
Hip room	W6	52.7
Upper body opening to ground	H51	--

**Luggage Compartment**

Usable luggage capacity (cu. ft.) *	V1	14.7 (a)
Liftover height	H195	25.7
Position of spare tire storage		Centered in Forward Trunk Area
Method of holding lid open		Boxed Hinges with Torsion Rod

\* Corporation "H" (shoe box) method of measurement is used.  
 (a) Space saver tire 16.5 (cu.ft.).

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

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (•)

**Car And Body Dimensions** See Key Sheets, Pgs. 30-33

**Body Type**

<b>SAE Ref. No.</b>	<b>SPORT COUPE</b>
---------------------	--------------------

**Station Wagon — Third Seat**

Shoulder Room	W85	
Hip room	W86	
Effective leg room	L86	<b>NOT</b>
Effective head room	H86	<b>APPLICABLE</b>
Effective T Point head room	H89	
Seat facing direction		

**Station Wagon — Cargo Space**

Cargo length at floor - front seat	L202	
Cargo length at belt - front seat	L204	
Cargo width - Wheelhouse	W201	<b>NOT</b>
Opening width at belt	W204	<b>APPLICABLE</b>
Maximum cargo height	H201	
Rear opening height	H202	
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	

**Hatchback — Cargo Space**

Front Seat Back to Load Floor Height	H197	
Cargo Length at Front Seat Back Height	L208	<b>NOT</b>
Cargo Length at Floor - Front Seat	L209	<b>APPLICABLE</b>
Cargo volume index (cu. ft.) $\frac{L208 + L209}{2} \times W4 \times H197$ 1728	V3	

# MVMA Specifications Form

## Passenger Car

Car Line MONTE CARLO "S"  
 Model Year 1975 issued 9/74 Revised (●) \_\_\_\_\_

### Power Teams (Indicate whether standard or optional)

(A) (B) (C) (Indicate horsepower) and net torque corrected to 85° F and 29.36 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO * (Std. first) (Indicate A/C ratio) **			
	Disc. Code	Cyls	Compr. Ratio	SAE Net @ RPM			Exhaust System*	A	B	C
				BHP	Torque					
IAH57 (Standard) (Not available in California)	350V8 (L65)	2-bbl	8.5:1	145	250	S2.50	3-Spd. Manual (2.85:1 low)	2.73	2.56	-
				@ 3800	@ 2200			2.73	2.56	
IAH57 (Optional) (California only)	350V8 (LMI)	4-bbl	8.5:1	155	250	S2.50	3-Spd. Manual (2.85:1 low)	2.73	2.56	-
				@ 3800	@ 2400			2.73	2.56	
IAH57 (Optional) (All states)	400V8 (LT4)	4-bbl	8.5:1	175	305	S2.50 (Exc. Calif) D2.25 (Calif)	3-Spd. Automatic	2.73	2.56	
IAH57 (Optional) (Not Available in California)	454V8 (LS4)	4-bbl	8.15:1	215	350	D2.25	3-Spd. Automatic	2.73		3.08
<p>* - Positraction available optionally for all ratios.                      ** - Same ratio available with Air Conditioning.</p> <p>A - Base                      B - Highway option                      C - High altitude</p>										

1 - Single 2 - Dual

# MVMA Specifications Form Passenger Car

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (•) \_\_\_\_\_

### Engine Displacement

V8 - 350 C.I. L65   LMI	V8 - 400 C.I. LT4	V8 - 454 C.I. LS4
----------------------------	----------------------	----------------------

### Engine — General

Type, no. cyls., valve arr.	90° V-8 OHV		
Bore and stroke (nominal)	4.00 X 3.48	4.125 X 3.75	4.251 X 4.00
Piston displacement, cu. in.	350	400	454
Bore spacing (C/L to C/L)	4.40		4.84
No. system (front to rear)	1-3-5-7 2-4-6-8		
Firing Order	1-8-4-3-6-5-7-2		
Cylinder Head Material	Cast Iron Alloy		
Cylinder Block Material	Cast Iron Alloy		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Two		
Engine installation angle	4° 46'		
Taxable horsepower	51.2	54.5	57.8
Recommended fuel regular — premium	Unleaded		
Cylinder Head Volume (cc)	75.47	75.47	118.53
Head Gasket Thickness (Compressed)	.021	.039	.028
Head Gasket Volume (cc)	4.58	4.58	7.01
Deck Clearance (minimum) (above or below block)	.025 (Below)	.025 (Below)	.028 (Below)
Minimum Combustion Chamber Volume (cc)	74.47	74.47	117.06

### Engine — Pistons

Material	Cast Aluminum Alloy		
Description and finish	Sump head, slipper skirt		Flat head; valve cutout
Weight (piston only) oz.	21.33	22.88	25.94
Clearance (limits)	Top land	.0235 - .0325	.0270 - .0330
	Skirt	Top	.0007 - .0017 (a)
		Bottom	.0014 - .0024 (a)
Ring groove diameter	No. 1 ring	3.541 - 3.556	.2350 - .2410
	No. 2 ring	3.541 - 3.556	.2350 - .2410
	No. 3 ring	3.577 - 3.592	.2185 - .2245

(a) Measured 1.56 from top of piston

(b) Measured 1.65 from top of piston

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

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (•) \_\_\_\_\_

Engine Displacement		
V8 - 350 C.I. L65	LMI	V8 - 400 C.I. LT4
		V8 - 454 C.I. LS4

**Engine - Piston Rings**

No. 1, oil or comp	Compression _____		
	Compression _____		
	Oil _____		
Description - material, coating, etc.	Upper	Cast alloy iron, barrel face (a)	
	Lower	Cast alloy iron, inside bevel, tapered face (b)	
Width	(c)	.0770 - .0780	.0770 - .0775
Gap	(d)	.010 - .020	.010 - .020
Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander)		
	Rails - steel, chrome plated OD; Expander - stainless steel		
Width (Assembled)	.1850 - .1870	.1850 - .1870	.1832 - .1852
Gap	.015 - .055	.010 - .035	.010 - .025
Expanders	In oil ring assembly		

**Engine - Piston Pins**

Material	Chromium steel		
Length	2.990 - 3.010	2.930 - 2.950	
Diameter	.9270 - .9273	.9895 - .9898	
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bushing	In rod or piston	None
	Material	----	
Clearance	In piston	.00025 - .00035	.00030 - .00040
	In rod		
Direction & amount offset in piston	Major thrust side .060		

**Engine - Connecting Rods**

Material	Drop forged steel		
Weight (oz.)	13.70	21.44	25.42
Length (center to center)	5.695 - 5.705	5.560 - 5.570	6.130 - 6.140
Bearing	Material & Type	Premium aluminum	
	Overall length	.797	.847
	Clearance (limits)	.0013 - .0025	.0009 - .0025
	End Play	.006 - .016	.008 - .014
		.015 - .023	

- (a) Chrome plated on V8 - 350; Wear resistant coating and molybdenum inlay on V8 - 400 and V8 - 454, also graphite impregnated on V8 - 454.
- (b) Wear resistant coating and chrome plating on V8 - 400 & V8-454.
- (c) Upper .0725 - .0780; lower .0770 - .0775.
- (d) Upper .010 - .020; lower .013 - .025



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**Engine Displacement**

V8 - 350 C.I.		V8 - 400 C.I.	V8 - 454 C.I.
L65	LMI	LT4	LS4

**Engine—Crankshaft**

Material	Cast nodular iron			
Vibration damper type	Rubber mounted inertia			
End thrust taken by bearing (No.)	5			
Crankshaft end play	.002 - .007		.006 - .010	
Main bearing	Material & type	Steel backed insert with copper lead alloy or premium aluminum lining selected for specific application		
	Clearance	(a)	(b)	
	Journal dia. and bearing over all length	No. 1	2.4502 X .752	2.6503 X .752
		No. 2	2.4502 X .752	2.6503 X .752
		No. 3	2.4502 X .752	2.6503 X .752
		No. 4	2.4502 X .752	2.6503 X .752
		No. 5	2.4508 X 1.180	2.6509 x 1.181
	No. 6	None		
No. 7	None			
Dir. & amt. cyl. offset	None			
No. bolts/main brg. cap	10 bolts/5 bearing caps			
Crankpin journal diameter	2.099 - 2.100		2.199 - 2.200	

**Engine—Camshaft**

Location	In block above crankshaft			
Material	Cast iron alloy			
Bearings	Material	Steel backed babbitt		
	Number	5		
Type of Drive	Gear or chain	Chain		
	Crankshaft gear or sprocket material	Steel sprocket		
	Camshaft gear or sprocket material	Nylon teeth with aluminum hub		
	Timing chain	No. of links	46	50
		Width	.625	.750
Pitch		.500	.500	

- (a) No. 1 - .0008 - .0020  
 No. 2, 3 & 4 - .0011 - .0023  
 No. 5 - .0017 - .0033  
 (b) No. 1 - .0007 - .0019  
 No. 2, 3 & 4 - .0013 - .0025  
 No. 5 - .0019 - .0035

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### Engine Displacement

V8 - 350 C.I. L65		LMI	V8 - 400 C.I. LT4	V8 - 454 C.I. LS4
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## Engine—Valve System

Hydraulic lifters (Std. opt. NA)		Standard			
Valve rotator, type (intake, exhaust)		Exhaust			
Push rods (dia., length, material)		7.774 X .3125 Steel welded tubing		See below *	
Rocker ratio		1.50:1		1.70:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero		*Inlet 8.215 X .3125 Exhaust 9.185 X .3125	
	Exhaust	Zero		Welded steel tubing with hardened steel insert	
Timing (based on top of ramp points)	Intake	Opens (*BTC)	28°	55°	
		Closes (*ABC)	72°	111°	
		Duration (deg.)	280°	346°	
	Exhaust	Opens (*BBC)	78°	105°	
		Closes (*ATC)	30°	63°	
		Duration (deg.)	288°	348°	
	Valve open overlap (deg.)		58°		118°
Intake	Material		Alloy steel, aluminized face on V8-400 & .454 (a)		
	Overall length		4.870 - 4.889	5.215 - 5.235	
	Actual overall head dia.		1.935 - 1.945	2.060 - 2.070	
	Angle of seat & face (deg.)		46° seat, 45° face		
	Seat insert material		None		
	Stem diameter		.3410 - .3417	.3715 - .3722	
	Stem to guide clearance		.0010 - .0027		
	Lift (@ zero lash)		.3900	.4400	
	Outer spring press. & length	Valve closed (lb. @ in.)	76-84 @ 1.70	84-96 @ 1.80	
		Valve open (lb. @ in.)	194-206 @ 1.25	210-230 @ 1.40	
	Inner spring press. & length	Valve closed (lb. @ in.)	Spring damper		
		Valve open (lb. @ in.)	Spring damper		
	Exhaust	Material		High alloy steel, aluminized face (also head on V8-454)	
		Overall length		4.910 - 4.930	5.345 - 5.365
		Actual overall head dia.		1.495 - 1.505	1.715 - 1.725
Angle of seat & face (deg.)		46° seat - 45° face			
Seat insert material		None			
Stem diameter		.3410 - .3417	.3713 - .3720		
Stem to guide clearance		.0010 - .0027			
Lift (@ zero lash)		.4100	.4400		
Outer spring press. & length		Valve closed (lb. @ in.)	76-84 @ 1.61	84-96 @ 1.80	
		Valve open (lb. @ in.)	194-206 @ 1.16	210-230 @ 1.40	
Inner spring press. & length		Valve closed (lb. @ in.)	Spring damper		
		Valve open (lb. @ in.)	Spring damper		

(a) Head also aluminized on V8 - 454

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### Engine Displacement

V8 - 350 C.I. L65		LMI	V8 - 400 LT4 Except California	California Only	V8 - 454 C.I. LS4
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## Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Centrifugally oiled from camshaft bearing
	Cylinder walls	Pressure jet cross sprayed
Oil pump type	Gear	
Normal oil pressure (lb. @ engine rpm)	32-40 @ 2000 RPM	42-46 @ 2000 RPM
Oil press. sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationery	
Oil filter system (full flow, part., other)	Full flow	
Filter replacement (element, complete)	Complete	
Capacity of crcase, less filter-refill (qt.)	4	
Oil grade recommended (SAE viscosity and temperature range)	20°F and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 0° to 60°F - 10W, 5W-30, 10W-30, 10W-40. Below 20°F - 5W-20, 5W-30	
Engine service reqmt. (SD, SE, etc.)	SE	

## Engine — Exhaust system

Type (single, single with cross-over, dual, other)	Single exhaust & converter with crossover		Dual exhaust, single converter with crossover	
	One; Reverse flow	One; with resonator	Two; no resonators	Two; mufflers no resonators
Muffler No. & type (reverse flow, straight thru, separate resonator)				
Exhaust pipe dia. (O.D. wall thick.)	Branch (a) Main (c) (d)	2.00 X .079 (b)		2.25 X .079 (b)
Exhaust pipe O.D. & wall thickness)	2.25 X .071	2.50 X .071	2.50 X .071	2.00 X .056

- (a) Crossover to converter
- (b) Laminated
- (c) Converter to muffler/s
- (d) Muffler to resonator V8 - 400 (LT4) 2.00 X .056

# MVMA Specifications Form

## Passenger Car

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Engine Displacement		
V8 - 350 C.I. L65	LMI	V8 - 400 C.I. LT4
		V8 - 454 C.I. LS4

### 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 (U.S. gals.)	Approximately 22		
	Filler location	Behind hinged rear license plate		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Lower right front of engine		
	Pressure range	7.50 - 9.00 (a)		
Vacuum booster (std., optional, none)		None		
Fuel Filter	Type	Fine mesh plastic strainer in gas tank and paper filter element in carburetor inlet		
	Locations			
	Choke type	Automatic		
Intake manifold heat control (exhaust or water)		Exhaust		
Carburetor	Air cleaner type	Standard	Thermostatically controlled; oil wetted paper element	
		Optional		
	Idle speed (spec. neutral or drive)	Manual	800 in neutral	Not available
		Automatic	600 (drive)	650 (drive)
Idle A/F mix		Not specified		

### Carburetor Supplementary Information

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Refer to Power Team Line-up (Page 5) for model application	350 L65	Manual	Rochester	7045112	One; 2-bbl.	1.69
		Automatic		7045114		
	350 LMI	Manual	Rochester	7045207	One; 4-bbl.	1.38 Prim 2.25 Sec
		Automatic		(7045504)		
400 LTI	Automatic	Rochester	7045228	One; 4-bbl.	1.38 Prim 2.25 Sec	
			(7045224)			
454 LS4	Automatic	Rochester	7045200	One; 4-bbl.	1.38 Prim 2.25 Sec	

Note: Data bracketed ( ) pertains to engine application specific to California.

(a) 1800 RPM at pump outlet.

# MVMA Specifications Form

## Passenger Car

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Engine Displacement					
V8 - 350 C.I.		V8 - 400 C.I.		V8 - 454 C.I.	
L65	LMI	LT4		LS4	

### Engine — Cooling System

Type system (pressure, pressure vented, atmospheric, other)	Pressure-vented thru coolant recovery system										
Radiator cap relief valve pressure	15 PSI										
Circulation thermostat	Type (choke, bypass)	Choke									
	Starts to open at (°F)	192° - 198°									
Water pump	Type (centrifugal, other)	Centrifugal									
	GPM 1000 pump rpm										
	Number of pumps	One									
	Drive (V-belt, other)	V-belt									
	Bearing type	Permanently lubricated double row ball									
By-pass recirculation type (inter., ext.)	Internal			External							
Radiator core type (cross-flow vertical, cellular, tube and fin, other)	Cross flow; tube and center										
Cooling system capacity	With heater (qt.)	18	18	23							
	Without heater (qt.)	-	-	-							
	Opt. equipment-specify (qt.)	18	18	23							
Water jackets full length of cyl. (yes, no)	Yes										
Water all around cylinder (yes, no)	Yes	No		Yes							
Radiator hose	Lower	Number and type (molded, straight)	One, molded								
		Inside diameter	1.75								
	Upper	Number and type (molded, straight)	One, molded								
		Inside diameter	1.50								
	By-pass	Number and type (molded, straight)	None		One, molded						
		Inside diameter	None		.690 - .750						
Fan	Number of blades & spacing	4-blade, staggered			7-blade, staggered						
	Diameter	19.00			19.50						
	Ratio-fan to crankshaft rev	.949:1			1.25:1						
	Fan cutout type	Thermo-modulated clutch on V8-454 Only									
	Bearing type	Double row ball									
*Drive belts (indicate belt used by letter)	Fan	A	B	A	B	C					
	Generator or alternator	A	B	A	B	C					
	Water Pump	A	B	A	B	C					
	Power Steering	D	D	D	D	E					
	Air Conditioning	F	F	F	F	G					
Air Injection	-	B	-	B	C						
"B" - Used with California engines.											
*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	34° - 38°										
Nominal length (SAE)	44.50	47.50	50.00	36.00	46.50	55.00	58.50				
Width	.380	.380	.440	.380	.380	.440	.440				

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Car Line MONTE CARLO "S"  
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**Engine Displacement**

V8-350 (L65) All States Except California	V8-350 (LMI) - Calif. only V8-400 (LT4) - All States V8-454 (LS4)
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**Vehicle Emission Control**

Not Available in California

Type (Air injection, engine modifications, other)	Engine modifications	Converter Air Injection
Air Injection Pump	Type	Semi-articulated vane type
	Displacement	19.3 cubic inch
	Drive ratio	1.15:1
	Drive type	Controlled
	Relief valve (type)	Crankshaft pulley
	Filter (describe)	Diverter valve
Air Injection System	Air distribution (head, manifold, etc.)	Centrifugal air cleaner
	Point of entry	Manifold or Exhaust Pipe
	Injection tube i.d.	Manifold or Exhaust Pipe
	Check valve type	.2700
	Backfire protection (type)	System
Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Pressure plate system
	Valve type	Diverter valve
	Valve location	Controlled flow (a)
	Control energy source	Vacuum modulated shut-off and metering valve
	Exhaust source	V8-350 & 400 right rear, V8-454 left front of inlet manifold
	Exhaust cooler type	Carburetor vacuum
	Orifice no. and size	Manifold exhaust crossover
	Point of exhaust injection (spacer, carburetor, manifold, other)	None
Other	Carburetor	One - .030
	Hot Air	Inlet manifold
	Under Floor Converter	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission.
		Catalyst encased in a structured steel shed with an aluminized steel cover and a felt insulating blanket between. Exhaust gas flows down through the catalyst that effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

(a) LT4 California engine - Dual diaphragm type

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**Engine Displacement**

V8-350 (L65 & LMI); V8-400; V8-454

**Vehicle Emission Control (Continued)**

		Type (ventilates to atmos., induction system, other)	Standard	Optional
Crankcase Emission Control	Control Unit		Induction system	
			---	
		Make and model	AC Spark Plug 6487778	
		Location	Left front rocker cover	
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable orifice	
	Complete System	Discharges (to intake manifold, other)	Intake manifold	
		Air inlet (breather cap, other)	Carburetor air cleaner	
		Flame arrestor (screen, other)	Screen	
Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity	
		Relief pressure (psi) and location	1.1 PSI	
		Vacuum relief (psi) and location	.7 PSI	
		Vapor-liquid separator type	Integral with fuel tank	
		Vapor vented to (crankcase, canister, other)	Canister	
	Carburetor	Vapor vented to (crankcase, canister, other)	Internally vented	
			---	
	Vapor Storage	Storage provision (crankcase, canister, other)	Canister	
			---	
		Volume (cu. ft.) or capacity (grams)	Approximately 50 grams storage capacity	
	Control valve type	Controlled by orifices and carburetor throttle body and throttle blade position		

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Engine Displacement		
V8 - 350 C.I. L65	LMI	V8 - 400 C.I. LT4
		V8 - 454 C.I. LS4

**Electrical — Supply System**

Battery	Make and Model	Delco Remy 1980200		1980204	
	Voltage Rtg & Total Plates	12 volts (2900 watts) 66 plates		12 (4000W) 78 plt.	
	SAE Designation No and/or capacity	Cold cranking rating 0°-350 amps;-20°-270 amps 100 minutes reserve capacity		0°-445 amps;-20°-375 125 min. res. cap.	
	Location	Right side of engine compartment			
	Terminal grounded	Negative			
Generator Alternator	Make	Delco Remy			
	Model	1102483			
	Type and rating	Diode rectified 37 amps			
	Output at engine idle (neutral)	12-20 amps			
	Ratio—Gen to Crs rev.	2.73:1	3.12:1		
Regulator	Make	Delco Remy			
	Model	---			
	Type	Micro circuit unit; integral with alternator			
	Cutout relay	Closing voltage @ generator rpm	None		
		Reverse current to open	None		
	Regulated	Voltage	13.8 - 14.8 @ 85°F		
		Current	---		
	Voltage lost conditions	Temperature	Operating		
		Load	3-8 amperes		
		Other	None		

**Electrical — Starting System**

Starting Motor	Make	Delco Remy			
	Model	1108430			
	Rotation (drive end view)	Clockwise			
Motor Drive	Engagement type	Positive shift solenoid			
	Pinion engages from (front, rear)	Rear			
	Number of teeth	Pinion	9		
		Flywheel	Manual	---	
	Auto.		168		
	Flywheel tooth face width	Manual	---		
Auto.		.4100 - .4220			



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Engine Displacement

V8 - 350 C.I. L65	LMI	V8 - 400 C.I. LT4	V8 - 454 C.I. LS4
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**Electrical — ignition System — Distributor**

Breaker gap (in.)		Not applicable			
Ignition angle (deg.)		Not applicable			
Brkr. arm tension (oz.)		Not applicable			
Distributor	Manual	1112880		Not available	
	Automatic	1112880		1112882	1112886
Timing	Manual	6° BTC @ 800	6° BTC @ 800	Not available	
	Automatic	6° BTC @ 600	6° BTC @ 600	8° BTC @ 600	16° BTC @ 650

Distributor Code	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
	1112880	0° @ 1200	12° @ 2000	22° @ 4200	0° @ 4
1112882	0° @ 1000	8° @ 1600	15° @ 2800	0° @ 8	14° @ 15.5
1112886	0° @ 1100	11° @ 2800	18° @ 4200	0° @ 4	18° @ 7

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Car Line MONTE CARLO "S"  
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**Engine Displacement**

V8 - 350, 400 & 454 C.I.

**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	1115293
	Amperes	Engine stopped 4.0 Engine idling 1.8
Spark Plug	Make	AC Spark Plug
	Model	AC R44TX
	Thread (mm)	14
	Tightening torque (lb. ft.)	25 (original) 15 (replacement)
	Gap	.060
Cable	Conductor type	Fiberglass core impregnated with electrical conducting material
	Insulation type	Rubber with silicone jacket
	Spark plug protector	Silicone rubber

**Electrical—Suppression**

Locations & type	Non-metallic high tension ignition cables
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**Electrical—Instruments and Equipment**

Speedometer	Type	Dial with pointer
	Mileometer (std. opt., N.A.)	Not available
Charge indicator	Type	Tell-tale
Temperature indicator	Type	Tell-tale
Oil pressure indicator	Type	Tell-tale
Fuel indicator	Type	Electric gauge
Windshield wiper	Type - Standard	Electric, two-speed
	Type - Optional	Intermittent windshield wiper system
Windshield washer	Type - Standard	Push-button
	Type - Optional	None
Horn	Type	Vibrator
	Number used	One-Two optional (a)
	Amp draw (each)	4.5-6.5 @ 12.5
Other		Restraint system warning light and buzzer Parking brake and brake failure warning light

(a) Two standard with Landau option (RPO Z03)

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**Engine Displacement**

V8 - 350 Cu. In. (L65 & LMI)

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

Make & type	Chevrolet, single dry disc	
Type pressure plate springs	Diaphragm, bent finger design	
Total spring load (lb.)	2100 - 2300	
No. of clutch driven discs	One	
Clutch frising	Material	Woven type asbestos
	Manufacturer	Chevrolet
	Part Number	3927129
	Rivets/Plate	40
	Rivet size	.183 X .218
	Outside & inside dia.	10.34 X 6.50
	Total eff. area (sq. in.)	101.54
	Thickness	.135
Engagement cushioning method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single row ball packed and sealed
Torsional damping	Methods, springs, friction material	Coil springs

**Drive Units—Transmissions**

Manual 3-speed (std., opt., N.A.)	Standard
Manual 4-speed (std., opt., N.A.)	Not available
Automatic (std., opt., N.A.)	Optional

**Drive Units — Manual Trans.**

Number of forward speeds	3		
Transmission ratios	In first	2.85	
	In second	1.68	
	In third	1.00	
	In fourth	---	
	In reverse	2.95	
Synchronous meshing, specify gears	All forward gears		
Shift lever location	Steering column		
Lubricant	Capacity (pt.)	3	
	Type recommended	Meeting Military Specs MIL-L-2105B	
	SAE viscosity number	Summer	SAE80
		Winter	SAE80
		Extreme cold	SAE80

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Engine Displacement

V8 - 350 & 400 C.I.	V8 - 454 C.I.
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**Drive Units—Automatic Transmission**

Trade name	Turbo Hydra-matic	
Type (describe)	3-Speed torque converter	
Selector location	Lever, steering column; floor mounted when used with console & bucket seats	
Gear Ratios	P	Park
	R	1.94
	N	Neutral
	D	2.52 - 1.52 - 1.00
	L2	2.52 - 1.52
Torque converter	L1	2.52
	Max. upsuit speed - drive range	89
	Max. kickdown speed - drive range	85
	Number of elements	3
Torque converter	Max. ratio at stall	2.00
	Type of cooling (air, liquid)	Water
	Nominal diameter	11.75
Lubricant	Capacity - refill (pt.)	8
	Type recommended	A Suffix A
Special transmission features		

**Drive Units—Axle**

Type (front, rear)	Rear		
Description	Semi-floating axles Overhung hypoid drive pinion and ring gear		
Limited Slip differential type	Disc clutches		
Drive Pinion Offset	1.50		
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		
Lubricant	Capacity (pt.)	4.25	
	Type recommended	Open diff. Meeting Military Specs MIL-L-2105B	
	SAE viscosity number	Summer	SAE80
		Winter	SAE80
Extreme cold		SAE80	

**Axle Ratio Tooth Combinations** (See page 4 for axle ratio usage)

Axle ratio	2.56	2.73	3.08
No. of teeth	Pinion	16	13
	Ring gear	41	40
Ring Gear C/D	8.50		

# MVMA Specifications Form Passenger Car

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_

Engine Displacement

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## 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.	3.00 X 57.65 X 0.065
	Manual 4-speed trans.	Not available
	Automatic transmission	Same as 3-Speed
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Slip Yoke	Type	Yoke
	Number of teeth	27 & 32
	Spline O. D.	1.1750 - 1.1752
Universal joints	Make and Mfg. No.	Saginaw 44
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	Strap end bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-pack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

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

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

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_

Body Type And/Or Engine Displacement, Etc.

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

Tire, load range, ply		GR70 X 15B (2 + 2)	
Type (bias, radial, etc.)		Radial steel belted	
TIRE	Pressure (cold) for recommended max. vehicle load	Front *	28
		Rear *	28
Rolling resistance @ 45 mph		763	
Tire & material		Short spoke disc; steel	
Rim (size, flange type)		15 X 7	
Wheel offset		0.30	
WHEEL	Attachment	Type (bolt or stud)	Stud
		Circle diameter	4.75
		Number & size	Hex nuts 7/16 - 20 UNF-2B
Square wheel (same or other)		Same	

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

Tire, load range, ply		HR70 X 15B	
Type (bias, radial, etc.)		Radial steel belted	
Wheel type & material		Turbine type & Rally type (a)	
Rim (size, flange type, and offset)		15 X 7	
Tire, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size, flange type, and offset)			
Tire, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size, flange type, and offset)			
Tire, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size, flange type, and offset)			
Tire, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size, flange type, and offset)			

**Brakes — Parking**

Type of control	Apply foot pedal; Release - handle	
Location of control	Left of Steering Column Under Instrument Panel	
Operates on	Rear Brakes	
Disc/Drum Type from Disc/Drum Size	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--
		--

\* Full rated pressures shown - selected tire pressures are contingent on weight of vehicle.  
 (a) Turbine II wheels standard with Landau option (RPO 203)

# MVMA Specifications Form Passenger Car

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (●)

**Body Type And/Or Engine Displacement**

--

**Brakes — Service**

Type	Drum	Front	---
		Rear	Standard
Disc	Front	Standard	
	Rear	---	
Type (proportion, delay, metering, other)			Metering and proportioning
Power Brake (std., opt., N.A.)			Standard
Brake Type (remote, integral, etc.)			Integral
Effective area (sq. in.) *			100.5
Gross lining area (sq. in.) **			111.1
Vent area (sq. in.) ***			326.4
Wheel Diameter (nominal)	Front	---	
	Rear	9.5	
Type and material			Composite; cast iron, steel web
Outer working diameter	Outer working diameter		11.0
	Inner working diameter		7.18
	Thickness		1.03
Material & type (vented/solid)			Cast iron, vented
Wheel cylinder bore	Front	2.9375	
	Rear	0.875	
Master Cylinder	Bore	1.00	
	Stroke	1.41	
Pedal arc ratio			3.1:1
Line pressure at 100 lb. pedal load			700
Shoe Clearance	Front	Self adjusting	
	Rear	Self adjusting	
Anti-skid device type (std., opt., N.A.)			N.A.
Fastened or riveted, rivets/seg.			Riveted 16 Front; 20 Rear
Tread size			Front .206x.312; rear .43x.250
Manufacturer			Delco Moraine
Part number			Front 5468646; rear 5474999/5000
Front Wheel	Material		Molded asbestos
	Size (length x width x thickness)	Prim. or out-board	5.40 X 1.92 X 0.465
		Second. or in-board	---
	Segments per shoe		One
	Shoe thickness		.630
	Material		Molded asbestos
Size (length x width x thickness)	Prim. or out-board	7.58 X 2.0 X 0.23	
	Second. or in-board	---	
Segments per shoe		One	
Shoe thickness		Primary - .295; Secondary .365	

\* Effective area must include grooves, chamfers, etc.  
 \*\* Gross lining area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus square of Inner Working Dia. multiplied by π/2 for each brake.)  
 \*\*\* Vent area for four brakes.

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

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_



**Steering**

Steering column (NA)	---		
Steering column (NA)	Standard; energy absorbing steering column		
Steering column (NA)	Type and description	Tilt; universal jointed steering shaft at base of steering wheel; 5-inch vertical travel	
Steering column (NA)	(std., opt., NA)	Optional	
Steering damper	Manual	---	
	Power	15.25 X 14.75 (Oval)	
Turning diameter	Outside front	Wall to wall (l. & r.)	42.81
		Curb to curb (l. & r.)	38.93
	Inside rear	Wall to wall (l. & r.)	---
		Curb to curb (l. & r.)	---
Manual	Gear	Type	
		Make	
	Ratios	Gear	
		Overall	
	No. wheel turns (stop to stop)		
Type (coaxial, linkage, etc.)		Integral gear and power piston with vane type gear	
Power	Make		Saginaw Steering
	Gear	Type	Semi-reversible, recirculating ball nut
		Ratios	Gear
	Overall		16.5:1 on center to 14.3:1
	Pump driven by		Crankshaft pulley
No. wheel turns (stop to stop)		3.074	
Linkage	Type		Parallelogram (a)
	Location (front or rear of wheels, other)		Front of Wheels
	Drag link (trans. or longit.)		None
	Tie rods (one or two)		Two
Steering knuckles	Inclination at camber (deg.)		9.6 @ 1° camber
	Bearings (type)	Upper	Ball stud with non-metallic surfaces
		Lower	Ball stud with non-metallic surfaces
		Thrust	None
Wheel alignment (at curb wt. & centered)	Caster (deg.)		P 4-3/4 ± 1/2
	Camber (deg.)		LH - P1 ± 1/2; RH - P 1/2 ± 1/2
	Toe-in (outside track inches)		1/16 ± 1/16
Steering knuckle & joint type		Forging with pad for mounting brake cylinder spherical	
Wheel bearing	Diameter	Inner bearing	1.2493 - 1.2498
		Outer bearing	0.7493 - 0.7498
	Thread size		3/4-20 NEF-3 (modified)
	Bearing type		Taper roller

(a) Hydraulic dampener used on relay rod.



# MVMA Specifications Form Passenger Car

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (•) \_\_\_\_\_

Body Type And/Or Engine Displacement

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## Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Geometry of rear suspension	
Special provisions for car jacking	Position jack in bumper slot in lower face of front and rear bumper	
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		

## Suspension — Front

Type and description	Independent - SLA type with coil springs	
Travel	Full Jounce	3.54
	Full Rebound	4.20
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	11.0 X 4.05; 129.96 X .668 (a)
	Spring rate (lb. per in.)	365 (a)
	Rate at wheel (lb. per in.)	101.7
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel; 0.9375

## Suspension — Rear

Type and description	Linked; Salisbury axle fixed by control arms	
Drive and torque taken through	Control arms	
Travel	Full Jounce	3.80
	Full Rebound	4.87
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D., bar length & dia.)	10.0 X 5.50; 110.8 X .548 (a)
	Spring rate (lb. per in.)	115 (a)
	Rate at wheel (lb. per in.)	112.3
	Mounting insulation type	Natural rubber
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR Steel 1.00
Track bar type		

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



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

Car Line MONTE CARLO "S"  
 Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_

Body Type

SPORT COUPE

**Convenience Equipment**

Side windows	Optional
Vent windows	NA
Backlight or tailgate	---
Power seats (specify type as well as availability)	Optional-6-way 50/50 power bench seat Optional-6-way bench seat
Reclining front seat back (R-L or both)	Included in front seat 50/50 bench option (R)
Radios (specify type as well as availability)	Optional, push button; AM, AM-FM, AM-FM Stereophonic; AM with stereo tape; AM-FM with stereo tape
Rear seat speaker	Optional
Power antenna	NA
Clock	Standard
Air conditioner (specify type and availability)	Optional-Four season, with manual control
Speed warning device	NA
Speed control device	Optional
Ignition lock lamp	NA
Dome lamp	Standard
Glove compartment lamp	Standard
Luggage compartment lamp	Optional
Underhood lamp	Optional
Courtesy lamp	Optional
Map lamp	Optional
Cornering light lamp	NA
Rear window defroster electrically heated	NA
Rear window defogger	Optional
Windshield antenna	Available with factory installed radio Also with tinted windshield glass
Power door locks	Optional
Swivel bucket seats	Optional

**Lamp Height And Spacing\***

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	28.5
		Lowest	---
	Tail (H126)	Highest	28.5
		Lowest	---
Sidemarker	Front	29.9	
	Rear	13.1	
Distance from C.L. of car to center of bulb	Headlamp	Inside	--
		Outside**	26.0
	Tail	Inside	--
		Outside	30.8
	Directional	Front	33.8
		Rear	30.8

\*Measured with passenger load and trunk/cargo load specified in Car and Body Dimension section.

\*\*If single headlamps are used enter here





**MVMA Specifications Form  
Passenger Car**

Car Line MONTE CARLO  
 Model Year 1975 Issued 9/74 Revised (●) \_\_\_\_\_

Body Type

**Vehicle Fiducial Marks**

Fiducial Mark  
Number \*

Define Coordinate Location

- |       |  |
|-------|--|
| Front | <p>X - Fiducial Mark to Centerline of Car - Front,<br/>Width measurement made from centerline of car to fiducial mark located on top of the front seat adjuster mounting bolt.</p> <p>Y - Fiducial Mark to Vertical Body Zero Line - Front,<br/>Measured horizontally from the body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.</p> <p>Z - Fiducial Mark to Horizontal Body Zero Line - Front,<br/>Measured vertically from body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.</p> |
| Rear  | <p>X - Fiducial Mark to Centerline of Car Rear,<br/>Width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar.</p> <p>Y - Fiducial Mark to Vertical Body Zero Line - Rear,<br/>Measured horizontally from body zero line to the rear fiducial mark located on rear underbody crossbar.</p> <p>Z - Fiducial Mark to Horizontal Body Zero Line - Rear,<br/>Measured vertically from body zero line to the rear fiducial mark located on the rear underbody crossbar.</p>   |

Fiducial  
Mark  
Number

Coordinate Location of  
Fiducial Mark

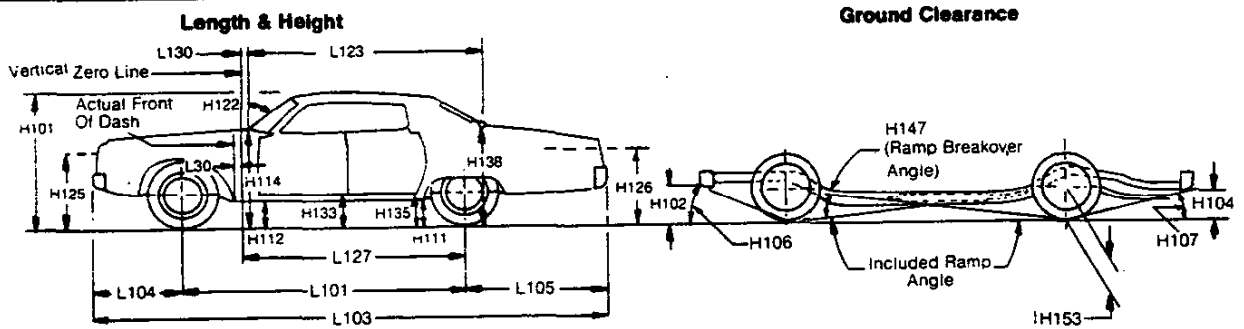
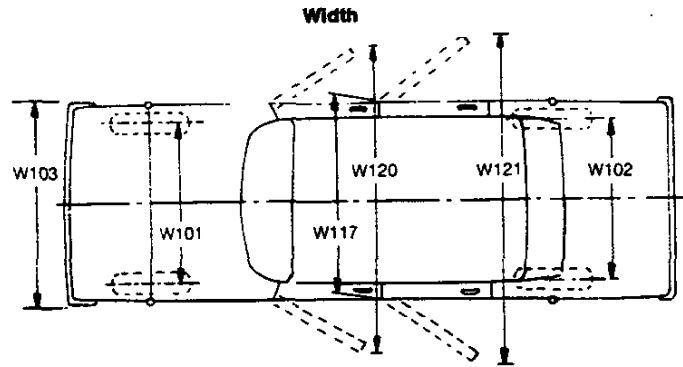
Fiducial Mark  
to Ground  
at Curb

Front	X 22.72	Y 28.48	Z 4.83	10.19
Rear	X 12.70	Y 130.54	Z 9.50	14.31

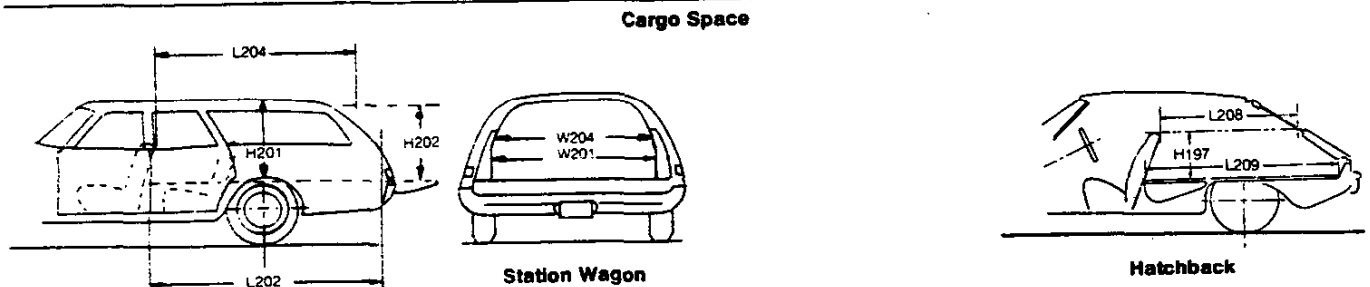
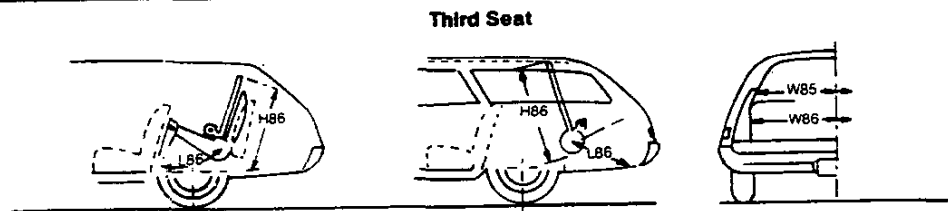
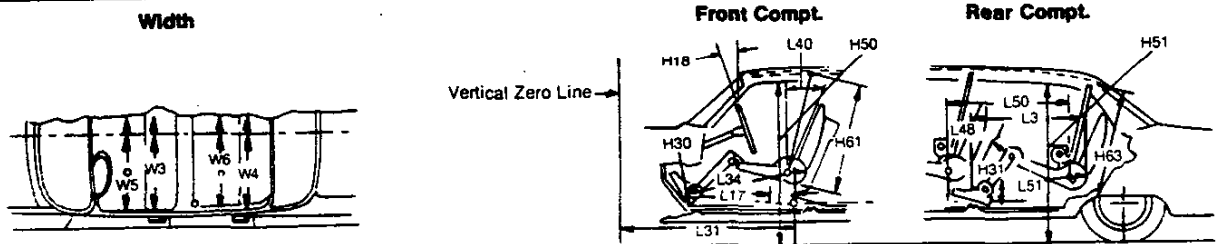
\* Reference — SAE Recommended Practice, J182

# MVMA Specifications Form Passenger Car

## Exterior Car And Body Dimensions — Key Sheet



## Interior Car And Body Dimensions — Key Sheet



# AVMA Specifications Form

## Passenger Car

### Chassis, Body 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.
- W107 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. Measured to outside of sheet metal with front doors in maximum non-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Measured in same manner as W120.

#### Length Dimensions

- L100 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.
- L122 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.
- L130 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 Weight 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 or 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. Do not round-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch 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.

## 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 4.0 inches, 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 30 inches.
- 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 10.0 inches. For treacle 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 10 inches 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 1.0 inches below and 3.0 inches above the H-point height and 3.0 inches 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.
- H195 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 4.0 inches, 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 10.0 inches, 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 2.0 inches.
- 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 10.0-16.0 inches 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 13.0 inches forward of the H Point.

### Luggage Compartment Dimensions

- V1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet 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 10.0 inches. 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 4.0 inches. 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

## 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 wheel housings 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 feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

$$\frac{W4 \times L204 \times H201}{1728}$$

### 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 undepressed 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 feet.

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

1728

# MVMA Specifications Form Passenger Car

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Fuel Injection	11	Wheel Alignment	23
Generator and Regulator	15	Wheelbase	2
Glass	25	Wheels & Tires	21
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# MONTE CARLO

## 1975 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with production on or after April 1, 1975

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
<b>◆ 8-Cylinder Engine</b>										
Coupe—										
6-Passenger . . . . .	1AH57	—	116"					4249.10	10	_____
Landau Coupe—										
6-Passenger . . . . .	1AH57	Z03	116"					4519.10	10	_____

★ 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 production on or after April 1, 1975

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Air Conditioning:</b> <i>Four-Season.</i> Includes K76 61-amp generator and increased cooling. . . . .	C60					450.00
<b>Axle, Positraction Rear</b> . . . . .	G80					49.00
<b>Axle Ratios:</b>						
<i>High Altitude Ratio</i> . . . . .	G92					12.00
<i>Highway Ratio</i> . . . . .	G95					12.00
<b>Battery, Heavy-Duty:</b> 15-plate, 80-amp-hr. Included with LS4 454-4 BBL engine . . . . .	UA1					15.00
<b>Belts, Custom Deluxe Seat and Shoulder:</b> Includes brushed metal buckles and color-keyed belts. Included with special custom cloth trim. (Standard belts and plastic buckles are black)						
<b>REPLACING STANDARD NUMBER OF BELTS:</b>						
With bench seat—6 seat and 2 front shoulder . . . . .	AK1					16.00
With bucket seats—5 seat and 2 front shoulder . . . . .	AK1					14.50
<b>Bumper Equipment:</b> Front and Rear.						
<i>Bumpers, Deluxe.</i> Includes black resilient impact strips . . . . .	VE5					27.00
<i>Guards, Bumper.</i> . . . . .	V30					34.00
<b>California Emission Certification:</b> Includes all testing, equipment and /or certification necessary for registration in the State of California . . . . .	YF5					45.00
<b>Console:</b> Includes compartment. Shift lever mounted on console . . . . .	D55					68.00
<b>Container, Litter:</b> Color-keyed. . . . .	D24					5.00
<b>Defogger, Rear Window:</b> Forced-Air . . . . .	C50					41.00
<b>Door Lock System, Power:</b> Electric . . . . .	AU3					56.00
<b>Engines:</b> (Refer to Dealer Order Guide for California Requirements)						
350-2 BBL V8 . . . . .	L65				NO ADDITIONAL CHARGE	
350-4 BBL V8 . . . . .	LM1					54.00
400-4 BBL V8 . . . . .	LT4					113.00
454-4 BBL V8. Includes UA1 HD battery . . . . .	LS4					285.00
<b>Generator, 61-Amp Delcotron:</b> Included with C60 air conditioning. . . . .	K76					26.00
<b>Glass, Soft-Ray Tinted:</b> All windows . . . . .	A01					51.00
<b>Horns, Dual:</b> Standard on Z03 Landau. . . . .	U05					4.00
<b>Instrumentation:</b> Includes ammeter and temperature gauges mounted in instrument panel						
<i>Econominder.</i> Also includes economy gauge . . . . .	UF7					42.50
<i>Special.</i> Also includes tachometer. . . . .	U14					71.00
<b>Lighting, Auxiliary:</b> Includes ashtray, courtesy, glove compartment, luggage compartment and underhood lights. Also includes headlamp warning buzzer.						
Without CA1 sky roof. Also includes mirror map light. . . . .	ZJ9					26.00
With CA1 sky roof . . . . .	ZJ9					21.00

\* 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 production on or after April 1, 1975

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price‡
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Luggage Compartment Trim, Deluxe:</b> Includes black cut pile floor carpeting, carpeted spare tire cover plus black side and rear trim panels	B48					33.00
<b>Mats, Color-Keyed Floor:</b> 2 front and 2 rear	B37					14.00
<b>Mirrors:</b>						
<i>Outside Rearview, LH Remote-Control.</i> Included with DF3 mirrors	D33					14.00
<i>Outside Rearview LH and RH Remote-Control.</i> Includes D33 mirror	DF3					41.00
<i>Sport.</i> Body-colored LH remote-control and RH manual sport mirrors. Standard on Z03 Landau	D35					27.00
<i>Sport, Twin Remote.</i>						
Without Z03 Landau	D68					46.00
With Z03 Landau	D68					19.00
<i>Visor Vanity.</i> Standard on Z03 Landau	D34					3.00
<b>Moldings:</b>						
<i>Body Side, Deluxe.</i> Includes color-keyed vinyl insert	BW2					49.00
<i>Door Edge Guard.</i>	B93					7.00
<b>Paints, Exterior: Solid.</b>					NO ADDITIONAL CHARGE	
<b>Radiator: Heavy-Duty.</b>	V01					22.00
<b>Radio Equipment: Pushbutton</b>						
<i>AM Radio.</i>	U63					69.00
<i>AM /FM Radio.</i>	U69					139.00
<i>AM /FM Stereo Radio.</i>	U58					233.00
<i>Stereo Tape System with AM Radio.</i>	UM1					215.00
<i>Stereo Tape System with AM /FM Stereo Radio.</i>	UM2					363.00
<i>Speaker, Rear Seat.</i>	U80					19.00
<b>Roof Cover, Vinyl:</b> Standard on Z03 Landau						123.00
<b>Seat, Power: Electric, 6-way control. Front seat</b>						
With full-width bench seat	A42					113.00
With 50 /50 seat, driver's side	AG7					113.00
<b>Sky Roof:</b> Sliding metal top. Electric	CA1					350.00
<b>Speed Control:</b> Cruise-Master	K30					69.00
<b>Steering Wheel: Comfortilt.</b>	N33					49.00
<b>Stowaway Spare</b>	N65					(-1.83)
<b>Suspension Equipment: Suspension, HD. Front and Rear.</b> Includes special front and rear springs and matching shock absorbers						
	F40					17.00
<b>Tires:</b>						
<i>GR70-15 /B Steel Belted Radial Ply Blackwall (Standard)</i>	QBX				NO ADDITIONAL CHARGE	
<i>GR70-15 /B Steel Belted Radial Ply White Stripe</i>	QCX					35.00
<i>HR70-15 /B Steel Belted Radial Ply Blackwall</i>	QCP					37.50
<i>HR70-15 /B Steel Belted Radial Ply White Stripe</i>	QCN					75.50
<b>Transmissions:</b>						
<i>3-Speed Manual.</i>	M15				NO ADDITIONAL CHARGE	
<i>Turbo Hydra-matic.</i>	M40					235.00
<b>Trim, Interior:</b>						
<i>Cloth Bench Seat.</i>					NO ADDITIONAL CHARGE	
<i>Vinyl Bench Seat.</i>						19.00
<i>Special Custom Cloth 50 /50 Bench Seat.</i>						260.00
<i>Strato-bucket Front Seats. Swing-Out Type. Cloth or Vinyl.</i>						133.00
<i>Special Custom Cloth Strato-bucket Front Seats. Swing-Out Type.</i>						252.50
<b>Trunk Opener, Power:</b> Electric	A90					16.00
<b>Wheel Trim:</b>						
<i>Deluxe Wheel Covers.</i>	PA3					19.00
<i>Rally Wheels.</i> Includes styled wheels, special hub caps and trim rings	ZJ7					32.00
<i>Wire Wheel Covers.</i>						
Without Z03 Landau	N95					75.00
With Z03 Landau	N95					(-23.00)
<b>Windows, Power:</b> Electric	A31					91.00
<b>Windshield Wiper System: Intermittent</b>	CD4					28.00

\* 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.

**EXTERIOR COLOR CODES**

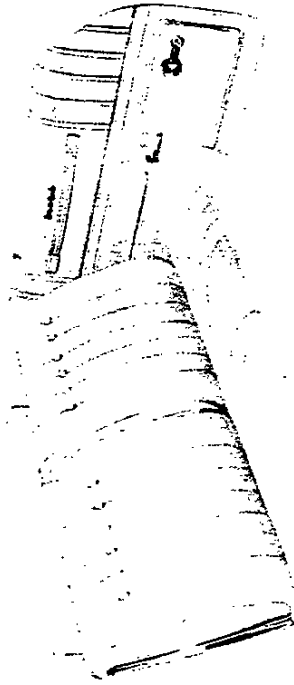
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Black Cloth or Vinyl	Black
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Dark Blue Cloth or Vinyl	Dark Blue
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Dark Red Cloth	Dark Red
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Medium Sandstone Cloth or Vinyl	Medium Sandstone
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	White Vinyl w/Black Environment	Black
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	White Vinyl w/Dark Blue Environment	Dark Blue
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	White Vinyl w/Dark Green Environment	Dark Green
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	White Vinyl w/Dark Red Environment	Dark Red

**SPECIAL CUSTOM INTERIORS**

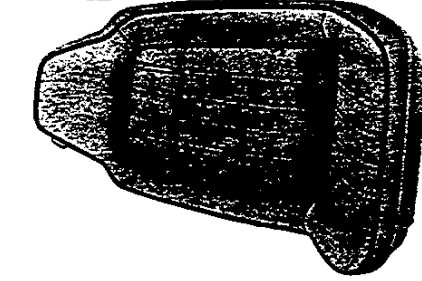
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Black Cloth	Black
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Dark Blue Cloth	Dark Blue
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Medium Green Cloth	Medium Green
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Dark Red Cloth	Dark Red
11	13	15	19	24	26	29	44	49	50	55	59	63	64	72	74	Medium Sandstone Cloth	Medium Sandstone

Refer to Dealer Order Guide for current trim applications.  
 ENVIRONMENT refers to the coordinated color of the Upper and Lower Instrument Panel, Carpet, Kick Panel and Package Shelf.

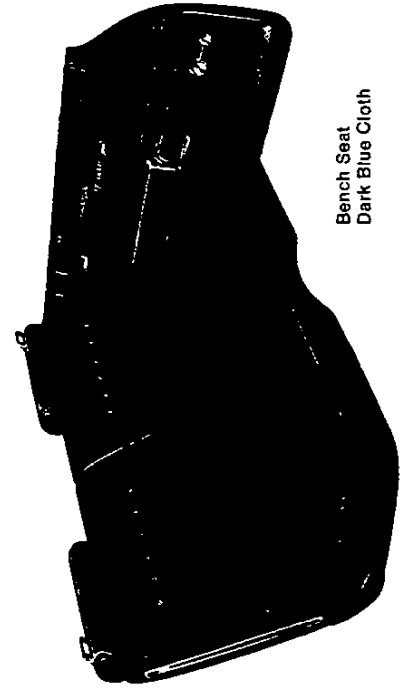
**Monte Carlo**



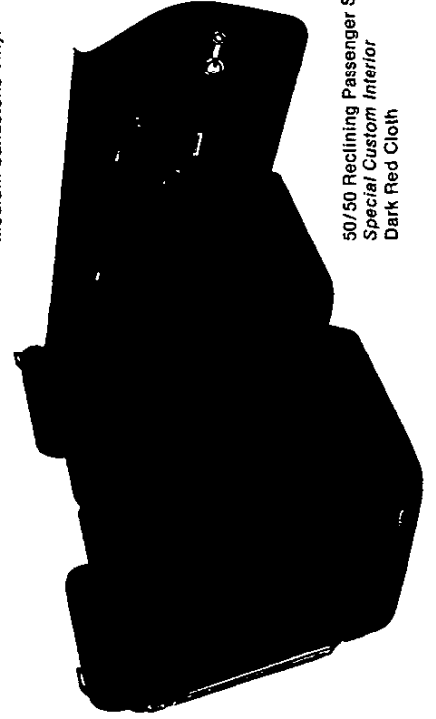
Bench Seat  
White Vinyl



Swing-Out Bucket Seat  
Medium Sandstone Vinyl



Bench Seat  
Dark Blue Cloth



50/50 Reclining Passenger Seat  
Special Custom Interior  
Dark Red Cloth



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