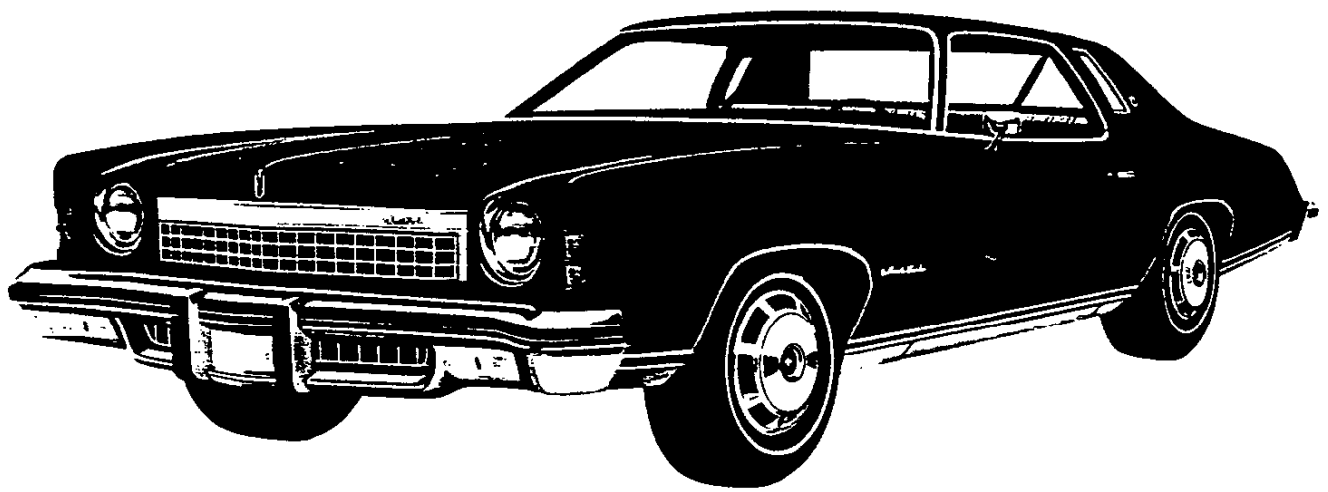




Chevrolet



1974 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

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT

	<u>MONTE CARLO MODEL 'S'</u>
<u>FRONT</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 Header Panel	X
Radiator Grille 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 - Black Accented between Wheels; and Black Painted Rocker with Bright Molding; Fore and Aft of Wheels - Black 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
Front Fender Marker Lamp with Amber Lens (Framed in Fender Molding)	X
Rear Marker Lamp with Red Lens (Framed in Quarter Molding)	X
 <u>REAR</u>	
Crest on Rear Lamp Lens	X
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 Headlining	X
Air Gap Windshield Pillars	X
Trim Color Plastic Coat Hooks	X
Bright Bezeled Center Dome Lamp	X
Front Door Jamb Switches	X
Front Seat Shoulder Belt Anchor Cover (Belt Color)	X
Embossed Board Rear Package Shelf	X

SEATS AND FLOOR COVERING

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
Carpet Passenger Compartment Floor Covering	X
Luggage Compartment Spatter Paint	X
Luggage Compartment Mat (Rubber and Foam Backed Vinyl)	X

DOOR AND QUARTER PANEL

Front Door Padded 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
Formed Map Pockets in Doors	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
Speedometer, 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 "Monte Carlo" Nameplate	X
Plastic Cowl Kick Pads	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>
Front and Rear Bumper Guards	V30	X
Door Edge Guards	B93	X
Visor Vanity Mirror	D34	X
Rear Window Defroster (Forced Air)	C50	X
L.H. Outside Remote-Control Rear View Mirror	D33	X
<u>MODEL OPTIONS</u>		
Monte Carlo 'Landau' (see page 11 for content)	Z03	
<u>POWER TEAMS</u>		
Turbo-Fire 400 Cu.In. V-8	LF6	
Turbo-Jet 454 Cu.In. V-8	LS4	
Turbo Hydra-matic used with L65 and LF6	M38	
Turbo Hydra-matic used with LS4	M40	
Axle Positraction	G80	
Axle, Trailering Ratio	YD1	

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC
POWER ASSISTS		
Locks, Electric Door	AU3	
Rear Compartment Remote Control Electric Lock	A90	
Seat, 6-Way Electric Control Bench	A42	
Window, Electric Control	A31	
Lock, Trunk Compartment Remote Control Electric	A90	
OTHER OPTIONS		
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, High Rise		X
Cap, Locking Gas Filler		X
Compass		X
Container, Litter		X
Dispenser, Tissue		X
Extinguisher, Fire		X
Generator, 61-Amp Delcotron	K76	
Glass, Tinted - All Windows	A01	
Glass, Tinted - Windshield only (Fleet use)	A02	
Guard, Vinyl Door Edge		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		
Litter Container	D24	
Mats, Front and Rear	B37	X
Mirrors, Sport Outside Rear View Body Color - LH	D35	
Remote Control & RH Manual Control		

EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<u>OTHER OPTIONS</u>		
Bumper Impact Strips, and Bumper Guards Front and Rear	VE5	
Console, Front Compartment Floor	D55	
Gauges, Instrument Panel	U14	
Mirror, RH		X
Mirror, Trailing - Fender Clamp		X
Radiator, Heavy Duty	V01	
Rack, Roof Top Ski		X
Molding, Body Side - Vinyl Insert	B84	
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	CB1	
Roof Cover, Vinyl	C08	
Radio, Citizens Band		X
Seat, Safety - Child		X
Seat, Safety - Infant		X
Seat, Special Contour Bucket - 90° Swivel	AN7	
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	
Wheels, Turbine II	PE2	
Wheel Rally 15 x 7 Hub Cap and Trim Ring	ZJ7	
Warmer, Interior Car		X
<u>FACTORY INSTALLED REGULAR PRODUCTION TIRES</u>		
GR70-15 Steel Belted Radial Ply Blackwall	QRN	
GR79-15 Steel Belted Radial Ply Whitewall	QRM	
HR70-15 Steel Belted Radial Ply Blackwall	QRY	
HR70-15 Steel Belted Radial Ply Whitewall	QQZ	

AIR CONDITIONING

FOUR-SEASON (RPO C60)

Integral air cooling and heater system. Manually controlled by two horizontal levers on instrument control panel, plus 4-speed fan switch. Upper lever (mode selector control) uses vacuum supply and electrical switches to operate mode doors and compressor. Lower lever uses bowden cable to operate temperature door. 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 Single three groove pulley
Water Pump & Fan Pulley Single
Compressor & Crankshaft Belt One
Generator 61 Ampere
Radiator Heavier duty

"LANDAU" OPTION EQUIPMENT

MONTE CARLO 'LANDAU' OPTION RPO 203

AVAILABILITY

Standard model 1AHS7

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
'Custom' wheels 15 x 7 (urethane styled) with bright trim
rings and hub caps

INTERIOR

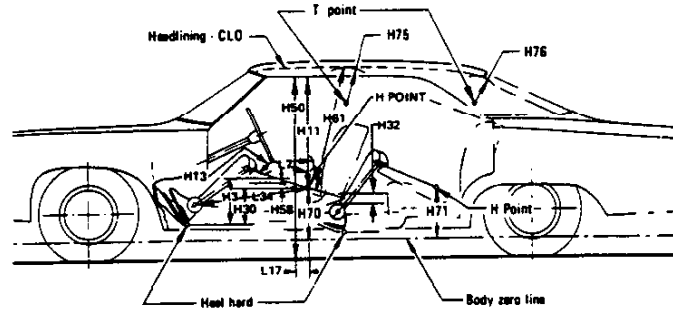
Visor vanity mirror
'Landau' door trim emblem



DIMENSIONS AND WEIGHTS

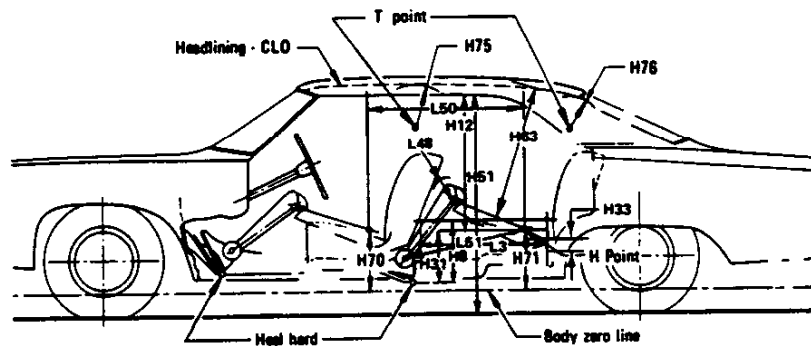
INTERIOR DIMENSIONS	2
LUGGAGE CAPACITY	2
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VEHICLE WEIGHTS	5

INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	SPORT COUPE
H-3	Seat cushion height	10.9
H11	Entrance height	30.2
H13	Steering wheel thigh clearance	3.4
H30	H point to heel point	8.7
H32	Seat cushion deflection	3.1
H50	Upper body opening to ground	48.9
H58	H point rise	0.8
H61	Effective headroom	37.5
H70	H point to body O line	13.1
H75	Effective 'T' point headroom	37.7
W3	Shoulder room	58.8
W5	Hip room	56.0
L7	Steering wheel torso clearance	13.1
L17	H point travel	5.2
L34	Effective leg room	42.1



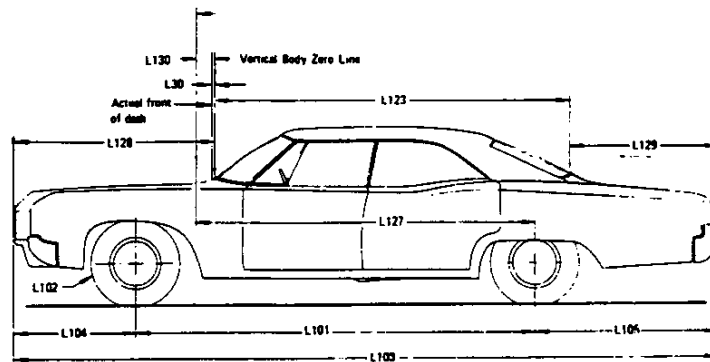
REAR COMPARTMENT

H8	Seat cushion height	12.2
H31	H point to heel point	10.1
H33	seat cushion deflection	3.7
H63	Effective headroom	37.4
H71	H point to body O line	11.5
H76	Effective 'T' point headroom	37.2
W4	Shoulder room	57.1
W6	Hip room	52.9
L3	Rear compartment room	24.2
L50	H point couple distance	31.0
L51	Effective leg room	32.9

LUGGAGE COMPARTMENT

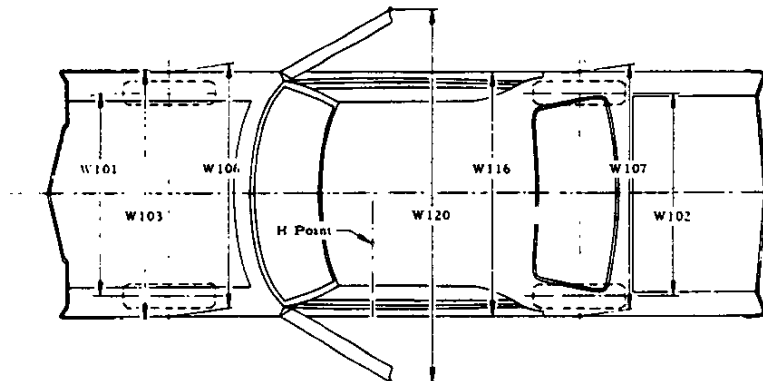
H195	Liftover height	25.7
V1	Usable luggage capacity (cu.ft.)	14.7

EXTERIOR DIMENSIONS



LENGTHS

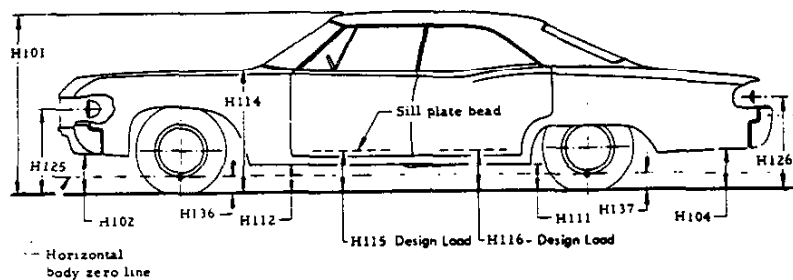
CODE	DESCRIPTION	SPORT COUPE
L101	Wheelbase	116.0
L102	Tire size (standard)	GR70-15
L103	Overall length	212.69(with I/Strips 213.11)
L104	Overhang, front	43.51 (with I/Strips 43.87)
L105	Overhang, rear	53.18 (with I/Strips 53.24)
-	Overall length - less bumpers	206.70
L123	Body upper structure length 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	35.9
L130	Body zero plane to windshield cowl point	10.5
L30	Body O line to actual front of dash	- 0.5



WIDTHS

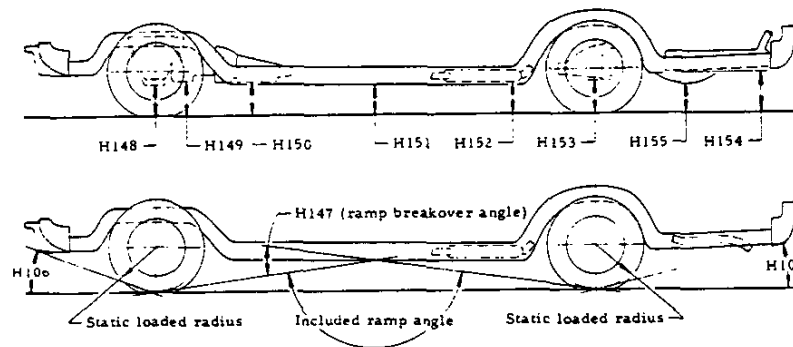
CODE	DESCRIPTION	SPORT COUPE
W101	Tread - front	61.9
W102	Tread - rear	61.1
W103	Maximum overall width of car	77.6
W106	Front fender overall width	77.6
W107	Rear fender overall width	75.8
W116	Maximum overall width of body	77.4
W120	Overall car width, front doors open	171.3

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	11.8
H111	Rocher panel to ground - rear	8.1
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)	12.1
H125	Headlamp to ground	28.5
H126	Tail lamp to ground	26.1
H136	Body O line to ground - front	5.9
H137	Body O line to ground - rear	5.4



CLEARANCES

H106	Angle of approach (degrees)	11° 43'
H107	Angle of departure (degrees)	15° 53'
H147	Ramp breakover angle (degrees)	13° 8'
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	5.8
H154	Fuel tank to ground	6.6
H155	Tire well to ground	--
H156	Minimum ground clearance	4.9 (a)

(a) Exhaust system to ground

VEHICLE WEIGHTS

MODEL TYPE

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1AH57	350 Cu.In. V8 (L65)	2-Door Sport Coupe	2245	1681	3926	2224	1812	4036

SHIPPING WEIGHT Weight of basic vehicle with regular equipment, including grease, oil and (4) 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
C60	Air Conditioning		+ 90
AU3	Electric Door Locks		+ 7
A31	Power Windows		+ 20
A42	Power Seat		+ 24
B37	Front and Rear Floor Mats		+ 9
CA1	Electric - Sun Roof		+ 46
C08	Vinyl Roof Cover		+ 4
CB1	Landau Roof Cover		+ 4
ZJ7	Spec Whl, Hub Cap & TL Rg.		+ 5
AN7	Bucket Seat - Swivel		+ 13
D55	Console	Used with Automatic Transmission	+ 15
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
LM1	350 Cu.In. V-8 Engine	Turbo Hydra-matic Transmission	+ 34
LF6	400 Cu.In. V-8 Engine	Turbo Hydra-matic Transmission	+ 40
LT4	400 Cu.In. V-8 Engine	Turbo Hydra-matic Transmission	+ 46
LS4	454 Cu.In. V-8 Engine	Turbo Hydra-matic Transmission	+292



BODY

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

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

1974 MONTE CARLO 'S' INTERIOR - EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM								
		Black		Medium Green		Midnight Blue		Medium Saddle	Light Neutral	Dark Oxblood
		Knit Cloth	Vinyl	Knit Cloth	Vinyl	Knit Cloth	Vinyl	Vinyl	Vinyl	Knit Cloth
Monte Carlo - 1AH00 Sport Coupe (57)	Bench	705	709	726	730	734	737		716	744
	Bucket	705	709	726	730			742		744
EXTERIOR COLORS	Color Code									
White C/O	11	X	X	X		X		X	X	X
Black C/O	19	X	X	X		X		X	X	X
Medium Blue Met. C/O	24	X	X	-		X		-	-	-
Bright Blue Met. C/O	26	X	X	-		X		-	-	-
Dark Blue Met. C/O	29	X	X	-		X		-	-	-
Bright Aqua Metallic	36	X	X	-		-		-	-	-
Medium Green	44	X	X	X		-		-	X	-
Bright Green Metallic	46	X	X	X		-		-	X	-
Dark Green Metallic	49	X	X	X		-		X	X	-
Cream-Beige	50	X	X	X		-		X	X	X
Colonial Gold	55	X	X	-		-		-	X	-
Golden Brown Metallic	59	X	X	-		-		X	X	-
Silver Taupe Met. C/O	64	X	X	-		-		X	X	X
Russet Orange Met.	66	X	X	-		-		X	X	-
Dark Taupe Metallic	69	X	X	-		-		X	X	-
Red Metallic	74	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.

EXTERIOR-INTERIOR COLORS

EXTERIOR COLOR - VINYL ROOF COMBINATIONS

BODY LOWER		OPTIONAL VINYL ROOF COLOR						
EXTERIOR COLOR	Color Code	Black	White	Med. Blue	Med. Green	Cream-Beige	Maroon	Brown
White C/O	11	X	X	X	X	X	X	X
Black C/O	19	X	X			X	X	
Medium Blue Met. C/O	24	X	X	X				
Bright Blue Met. C/O	26	X	X					
Dark Blue Met. C/O	29	X	X	X				
Bright Aqua Met.	36	X	X					
Medium Green	44	X	X		X			
Bright Green Met.	46	X	X					
Dark Green Met.	49	X	X		X			
Cream-Beige	50	X	X			X		X
Colonial Gold	55	X	X			X		
Golden Brown Met.	59	X	X			X		X
Silver Taupe Met. C/O	64	X	X					X
Russet Orange Met.	66	X	X					
Dark Taupe Met.	69	X	X			X		X
Red Metallic	74	X	X				X	

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

FRAME AND FRONT SUSPENSION	2-3
STEERING, DRIVELINE, WHEELS AND TIRES	4
REAR AXLE AND SUSPENSION	5
BRAKES	6
BULBS AND LAMPS	7
FUSES AND CIRCUIT BREAKERS	8

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 bearing7493-.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.)
3988131	DU	124.98	.696	8.42	440	15.48	11.0 @ 1960
3988132	DW	125.01	.696	8.42	440	15.69	11.0 @ 2050
3988133	BV	137.60	.719	9.22	440	15.89	11.0 @ 2140
3988134	BZ	137.62	.719	9.22	440	16.09	11.0 @ 2230
3988135	JW	137.65	.719	9.22	440	16.30	11.0 @ 2320
3988136	JA	142.41	.727	9.52	440	16.50	11.0 @ 2410
6262426	DJ	126.26	.680	8.29	400	15.90	11.0 @ 1950
6262427	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
6262855	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	2.96
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	G70 x 15B
Static loaded radius	12.2
Loaded rev/mi @ 45 mph	760
Capacity @ 24 psi	1380

REAR AXLE AND SUSPENSION

REAR AXLE

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

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

Page 2 for application

2.73, 3.42 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
3.42:1 ratio 41, 12

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.)
485721	TF	110.8	.548	6.59	115	16.52	10 @ 750
485722	ZY	115.3	.555	6.82	115	16.96	10 @ 800
485723	XY	118.0	.559	6.95	115	17.39	10 @ 850
485737	ZZ	107.8	.572	6.41	140	15.36	10 @ 750
485738	WU	107.8	.572	6.41	140	15.71	10 @ 800
485739	WV	112.0	.579	6.62	140	16.07	10 @ 850

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.)	35.36		
	Swept area (sq. in.)	217.9		
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.)	66.58		
	Swept area (sq. in.)	119.40		
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	66.58		

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	1-67	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-168	3
Parking		
Park		2
Turn	2-1157 NA	24
Radio dial RPO U63 and/or U69	1-1816	3
Radio dial and indicator RPO US8	1-1816 (dial) 1-66 (indicator)	3-dial 1-indicator
Radio dial and indicator RPO UM1 and/or UM2	1-564 (dial) 1-66 (indicator)	2-dial 1-indicator
Seat belt warning	1-168	3
Side Marker - Front	2-194	2
Side marker - Rear	2-194	2
Tail		
Tail		3
Stop and turn	2-1157	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)
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	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 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)
TCS - Delay relay	10 amp fuse	Fuse panel (g)
TCS - Idle stop solenoid	10 amp fuse	Fuse panel (g)
TCS - Vacuum advance	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

* Letter suffix indicates same circuit

POWER TRAINS

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POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*		RING GEAR
			STAND.	TRAILER	
Turbo-Fire 350 350 Cubic Inch V-8 Std. (L65)-Not Avail. in California	3-Speed (2.54:1 low)	Sport Coupe	3.08:1		8.50
	Turbo Hydra-matic		2.73:1	3.42:1	
Turbo-Fire 350 350 Cubic Inch V-8 RPO LM1 California only	3-Speed (2.54:1 low)	Sport Coupe	3.08:1	3.42:1	8.50
	Turbo Hydra-matic		2.73:1		
Turbo-Fire 400 400 Cubic Inch V-8 RPO LF6 - Not Avail. in California	Turbo Hydra-matic	Sport Coupe	2.73:1	3.42:1	8.50
Turbo-Fire 400 400 Cubic Inch V-8 RPO LT4 California Only	Turbo Hydra-matic	Sport Coupe	2.73:1	3.42:1	8.50
Turbo-Jet 454 454 Cubic Inch V-8 RPO LS4 All States	Turbo Hydra-matic	Sport Coupe	2.73:1	3.42:1	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 LF6 & 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	LF6	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			8.25:1	
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. Press. (PSI) @ Cranking Speed, Engine Hot	160				
Power Plant Mountings	Front	Two, preloaded captive cushion type			
	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	28.52	29.60
	Width - including air cleaner	28.53			33.31

ADVERTISED ENGINE RATION

Engine Designation	Turbo-Fire 350 V-8	Turbo-Fire 350 V-8	Turbo-Fire 400 V-8	Turbo-Fire 400 V-8	Turbo-Jet 454 V-8
Availability	L65 (Std.)	RPO LM1	RPO LF6	RPO LT4	RPO LS4
Carburetor	Two Barrel	Four Barrel	Two Barrel	Four Barrel	Four Barrel
Net Brake HP @ RPM	145 @ 3800	160 @ 3800	150 @ 3200	180 @ 3800	235 @ 4000
• Net Torque @ RPM (lb-ft)	250 @ 2200	250 @ 2400	295 @ 2000	290 @ 2400	360 @ 2800

ENGINE SPEED AND PISTON TRAVEL

TURBO-FIRE 350 V-8 ENGINE (Base L65 & RPO LM1)

Transmission	3-Speed	Turbo Hydra-matic
Rear Axle Ratio	3.08:1	2.73:1
Tire Size	GR70 x 15B	GR70 x 15B
Crankshaft Revolutions per Mile	2074.8	2074.8
Crankshaft RPM @ 1 MPH	Low	87.8
	Second	51.9
	Third	34.6
	Reverse	90.9
Piston Travel (ft/mile)	1203.4	1203.4

TURBO-FIRE 400 V-8 ENGINE (RPO LF6 & LT4)

Transmission	Turbo Hydra-matic	
Rear Axle Ratio	2.73:1	
Tire Size	GR70 x 15B	
Crankshaft Revolutions per Mile	2074.8	
Crankshaft RPM @ 1 MPH	Low	87.1
	Second	52.6
	Third	34.6 (direct)
	Reverse	66.7
Piston Travel (ft/mile)	1296.7	

TURBO-JET 454 V-8 ENGINE (RPO LS4)

Transmission	Turbo Hydra-matic	
Rear Axle Ratio	2.73	
Tire Size	GR70 x 15B	
Crankshaft Revolutions per Mile	2074.8	
Crankshaft RPM @ 1 MPH	Low	85.8
	Second	51.2
	Third	34.6 (direct)
	Reverse	71.9
Piston Travel (ft/mile)	1383.2	

VEHICLE PERFORMANCE FACTORS

ENGINE	350 CU.IN. 145 HP	400 CU.IN. 150 HP	400 CU.IN. 180 HP	454 CU.IN. 235 HP
MODEL	1AH57	1AH57	1AH57	1AH57

TURBO HYDRA-MATIC

Performance Weight (pounds)	4666	4677	4681	4900
Pounds per Net Horsepower	32.18	31.18	26.00	20.85
Pounds per Cu.In. Displacement	13.33	11.69	11.70	10.79
Net HP per Cu.In. Displacement	.414	.375	.450	.518
Power Displacement (cu.ft./mile)	210.12	240.14	240.14	272.56
Displacement Factor (cu.ft./ton mile)	90.18	100.90	102.62	111.25

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.	4.2496-4.2524
No. of Bulkheads	5
Water Jacket	Full length around each cylinder
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.	5.89 Cu.In.
V8-454 Cu.In.	8.07 Cu.In.
V8-400 Cu.In.	6.78 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-.006
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

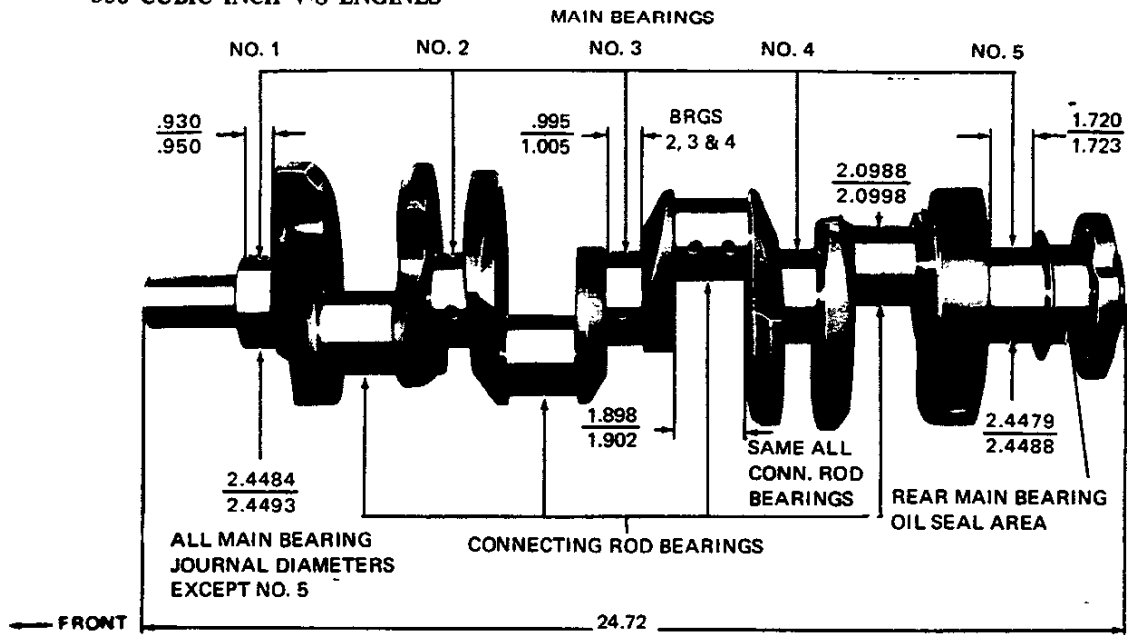
Dimensions

	Theoretical Inner Dia.	Effective Length	Projected 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

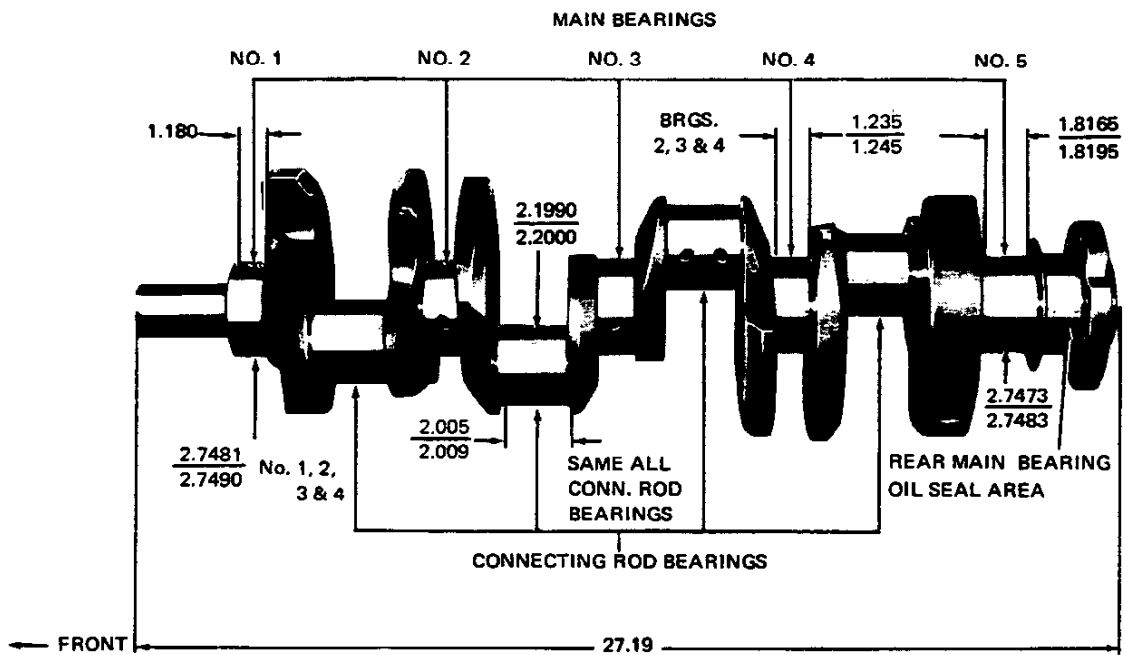
PRINCIPAL COMPONENTS

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
 All States except California
 V8-350 & 400 Cu.In. . . .2600 Inlet; .2733 Exhaust
 California Only
 V8-350 & 400 Cu.In. . . .2670 Inlet; .2733 Exhaust
 V8-454 Cu.In. (all states)2588 Inlet & Exhaust
 Bearings Steel backed babbit

VALVE TRAIN

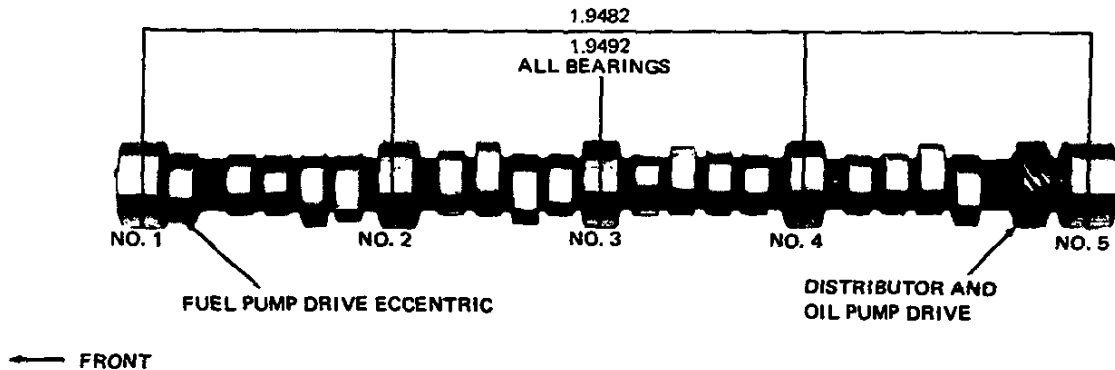
Type Individually mounted, overhead
 rocker arms, push rod actuated
 Lifters Hydraulic
 Push Rods
 Type Hollow steel
 Ends
 V8-350 & 400 Cu.In. Hardened
 V8-454 Cu.In. Hardened steel inserts
 Rocker Arms
 Material Stamped steel
 Ratio
 V8-350 & 400 Cu.In. 1.50:1
 V8-454 Cu.In. 1.70:1
 Rotators Exhaust

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 Cu.In. 76-84 @ 1.70
 V8-454 Cu.In. 74-86 @ 1.88
 Valves Opened
 V8-350 Cu.In. 194-206 @ 1.25
 V8-454 Cu.In. 288-312 @ 1.38
 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
 Valves Closed
 V8-350 & 400 Cu.In.
 Inlet 76-84 @ 1.70
 Exhaust 76-84 @ 1.61
 V8-454 Cu.In. 74-86 @ 1.88
 Valves Opened
 V8-350 & 400 Cu.In.
 Inlet 194-206 @ 1.25
 Exhaust 194-206 @ 1.16
 V8-454 Cu.In. 288-312 @ 1.38

CAMSHAFT AND BEARINGS

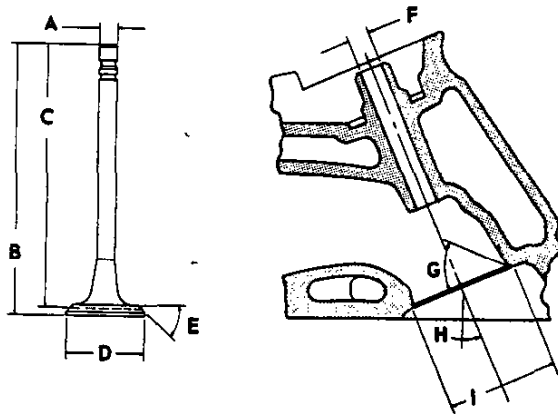
V8-454 ENGINES



PRINCIPAL COMPONENTS

VALVES - INLET

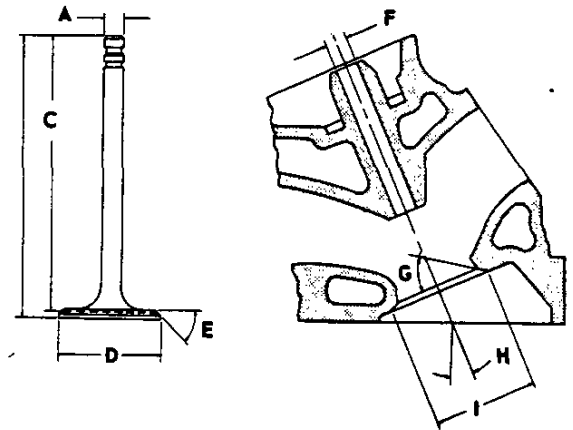
Material	Alloy steel
Coating	
V8-350 Cu.In.	None
V8-400 Cu.In.	Aluminized face
V8-454 Cu.In.	Face & head aluminized
All Stems	Chrome flash
Valve Guide Inserts (454 Cu.In.)	Cast alloy iron



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.	4.913-4.933
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)

All states except California

V8-350 & 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°

California only

V8-350 & 400 Cu.In.

Inlet Valve (Zero lash)

Opens - BTC 44°

Closes - ABC 96°

Duration 320°

Exhaust Valve (Zero lash)

Opens - BBC 88°

Closes - ATC 66°

Duration 334°

All States

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

All states except California

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

California only

V8-350 & 400 Cu.In. . . .4006 Inlet; 4100 Exhaust

All States

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, notched head

V8-454 Cu.In. Flathead, valve cutout

Skirt Type Slipper

Top Land Clearance

V8-350 Cu.In.0235-.0325

V8-400 Cu.In.0365-.0455

V8-454 Cu.In.0350-.0410

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.2183-.2247

Pin Bore Offset

V8-350 & 400 Cu.In.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. 2.990-2.010

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.00015-.00025

V8-400 Cu.In.00025-.00035

V8-454 Cu.In.00040-.00050

Pin Mounting Locked in rod by shrink fit

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
	Molybdenum inlay
V8-454 Cu.In.	Wear resistant coating
	Molybdenum inlay of 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.	.1845-.1865
V8-454 Cu.In.	.1855-.1875
Wall Thickness	
V8-350 Cu.In.	.150-.156
V8-400 Cu.In.	.133-.139
V8-454 Cu.In.	.137-.143
Gap	
V8-350 Cu.In.	.015-.055
V8-400 Cu.In.	.010-.025
V8-454 Cu.In.	.010-.030
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

EMISSION CONTROL EQUIPMENT

SYSTEM APPLICATION

System Type	Engine Adaptation				
	V8-350		V8-400		V8-454
	L65	LM1	LF6	LT4	LS4
PCV - Positive Crankcase Ventilation	All engines - all states				
EGR - Exhaust Gas Recirculation	All engines - all states				
CHA - Carburetor Heated Air	All engines - all states				
AIR - Air Injection Reactor System	All engines - all states				
ECS - Fuel Evaporation Control System	All engines - all states				

BASIC FUNCTION OF SYSTEMS

POSITIVE CRANKCASE VENTILATION

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

AIR INJECTION REACTOR SYSTEM

Compresses, regulates and distributes quantities of air to each exhaust port to more completely burn carbon monoxide and hydrocarbon emissions.

EXHAUST GAS RECIRCULATION

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

CARBURETOR HEATED AIR

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

COOLING SYSTEM

GENERAL

Type	Liquid, pressurized
● Capacity with Heater	
V8-350 & 400 Cu.In.	18 Qts.
V8-454 Cu.In.	24 Qts.

RADIATOR

Make and Type	Harrison, tube and center
Core Constant	
Distance between Fins	
V8-350 Cu.In.	.20
V8-400 Cu.In.	.16
V8-454 Cu.In.	.22
Distance between Tubes	.55
Thickness of core	
V8-350 Cu.In.	1.24
V8-400 Cu.In.	1.26
V8-454 Cu.In.	1.98
Frontal Area (Sq.In.)	480
Overflow	Separate coolant bottle

RADIATOR, HEAVY DUTY (RPO V01)

Core Constant	
Distance between Fins	
V8-350 Cu.In.	.16
V8-400 Cu.In.	.16
V8-454 Cu.In.	.16
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"	38°-42°
Pitch Line	
V8-350 & 400 Cu.In.	47.50
V8-454 Cu.In.	50.00
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	12
Cranking Power @ 0° F	
V8-350 Cu.In.	2900 watts
V8-400 Cu.In.	2900 watts
V8-454 Cu.In.	4000 watts
Heavy Duty (RPO T60)	4000 watts
Total Number of Plates	
V8-350 Cu.In.	66
V8-400 Cu.In.	66
V8-454 Cu.In.	78
Heavy Duty (RPO T60)	90
Number of Cells	6
Terminal Grounded	Negative
Location	Engine compartment; right side front

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

DISTRIBUTORS Refer to chart below

COIL

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

SPARK PLUGS

Type	ACR44T
Thread Size (mm)	14
Gap	.038-.038
Torque	15 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
Mounting	Bolted to cylinder block flange

DISTRIBUTORS	Availability	350 Cu.In. L65	350 Cu.In. LM1	400 Cu.In. LF6	400 Cu.In. LT4	454 Cu.In. LS4
Model	Manual	1112844	1112543			
	Automatic	1112844	1112093	1112846	1112545	1112113
Type		Single breaker				
Cam angle		29-31				
Breaker gap		.019 new				
Breaker arm tension		19-23				28-33
Centrifugal advance Begins @ RPM	Manual	675 - 1300	800-1200			
	Automatic	675-1300	900 - 1300	700 - 1300	700 - 1300	900 - 1300
Maximum degrees @ RPM	Manual	18-22 @ 4200	20-24 @ 4200			
	Automatic	18-22 @ 4200	16-20 @ 4200	18-22 @ 4200	16-20 @ 3900	16-20 @ 4200
Vacuum advance begins @ In. Hg.	Manual	2.0 - 4.0	5.0 - 7.0			
	Automatic	2.0 - 4.0	5.0 - 7.0	3.0 - 5.0	7.0 - 9.0	5.0 - 7.0
Maximum degrees @ In. Hg.	Manual	12.5-15.5 @ 8.0	13.5 - 16.5 @ 13.5			
	Automatic	12.5-15.5 @ 8.0	13.5 - 16.5 @ 13.5	13.5 - 16.5 @ 10	13.5 - 19.5 @ 15.5	18.5 - 21.5 @ 15
Timing (initial design setting) Crank shaft degrees @ RPM with vacuum line disconnected	Manual	8° BTC @ 600	4° BTC @ 900			
	Automatic	0° BTC @ 900	8° BTC @ 600	8° BTC @ 600	10° BTC @ 600	10° 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	Shrink fit
		Lubrication	Single row ball
	Pilot	Lubrication	None, prepacked
		Type	Bronze bushing
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	2.54
		Second	1.50
Third		1.00	
Reverse		2.63	
Lubricant	Type	Meeting Military Specifications MIL-L-2105B	
	Capacity (pts)	3	
Extension	Material	Cast iron	
	Oil seal	Steel encased seal of spring loaded silicone	

TURBO HYDRA-MATIC TRANSMISSIONS

Engine	Displacement	V8-350 & 400	V8-454	
General	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			
Hydraulic System	Oil pressure pump	Supplies hydraulic pressure from an engine driven gear type pump		
	Type	Steel spool valve		
	Valves	Manual	Establishes range of transmission operation	
		Pressure regulator	Provides main line pressure	
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 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	
Converter Assembly	Pump (Drive member)	Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing		
	Turbine (Driven member)	Steel axial flow blades assembled between inner & outer steel shells		
	Stator assembly	Aluminum multivane type blades mounted on a one way (overrunning) roller clutch		
	Stall ratio	2.00	2.10	
	Stall speed (RPM)	2110		
	Diameter (nominal)	11.75	12.20	
Planetary Gear Set	Reaction carrier assembly	4 steel pinion gears		
	Output carrier assembly	4 steel pinion gears		
	Front band	Circular steel with organic lining		
	Rear band	Double wrap circular steel		
	Intermediate 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	Material	Aluminum		
Clutches	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		3 each drive & driven plates
Release spring	Radial row steel coil			
Torque Multiplication	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	
Governor	Type	Cross-axis centrifugal		
	Operation	Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves		
Lubricant	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



1974 Monte Carlo

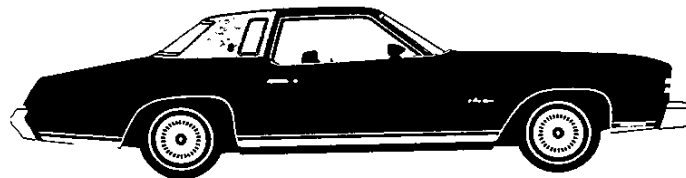
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Monte Carlo S

- Bright die-cast grid-pattern grille
- Bright grille outline molding
- High-mounted single-unit Power-Beam headlights and parking lights built into front fenders
- Hood rear edge molding
- Distinctive roof shape with coach windows in each rear quarter
- Lower body side molding
- Wheel opening moldings
- Full wheel covers
- Double rear end panels extend from each taillight and license plate is located above bumper
- High-style vertical taillights with bright accents
- Rear ride stabilizer
- Color-keyed steering wheel and column, wood-grain vinyl accents on instrument panel and steering wheel
- Electric clock
- Vinyl assist grips on doors
- Color-keyed cut-pile carpeting on floor and lower edge of front seat back
- Liberal application of acoustical insulation materials
- Molded full foam front and rear seat construction
- Flow-through power ventilation system
- Inside hood release
- Day-night inside rearview mirror
- Cigarette lighter
- Glove compartment lock and light
- Map pockets in doors
- Center dome light
- Front door automatic dome light switches
- Armrests front and rear
- Luggage compartment mat

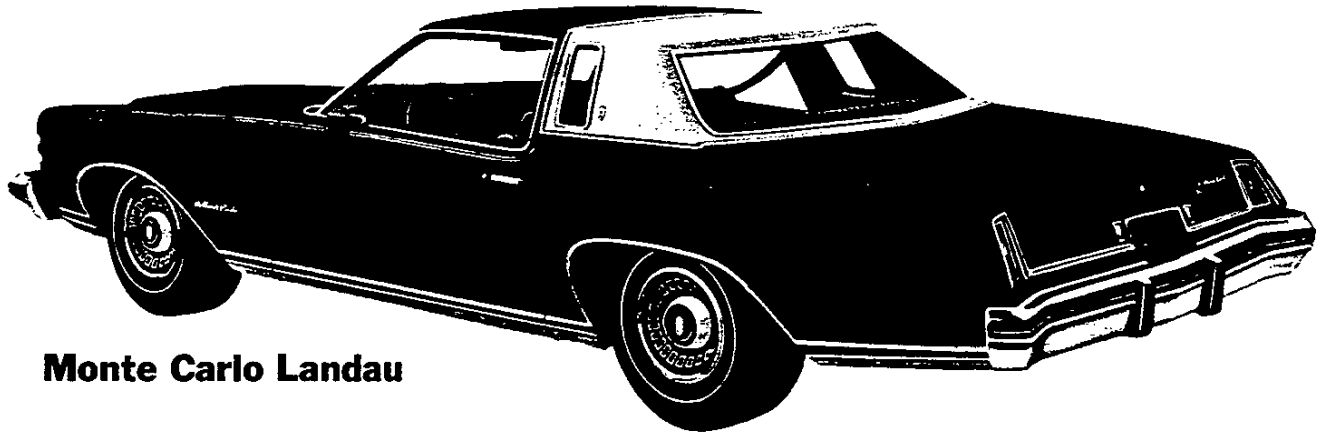
Monte Carlo Landau (illustrated below) *(In addition to features listed for Monte Carlo S)*

- Special Landau vinyl roof cover
- Roof-cover-color rear window and rear belt moldings
- Landau rear quarter nameplate
- Fender accent striping
- Dual body-color sport mirrors (LH remote control, RH manual)
- Visor vanity mirror
- Special Landau door trim panel emblem
- 15 x 7 Turbine II wheels

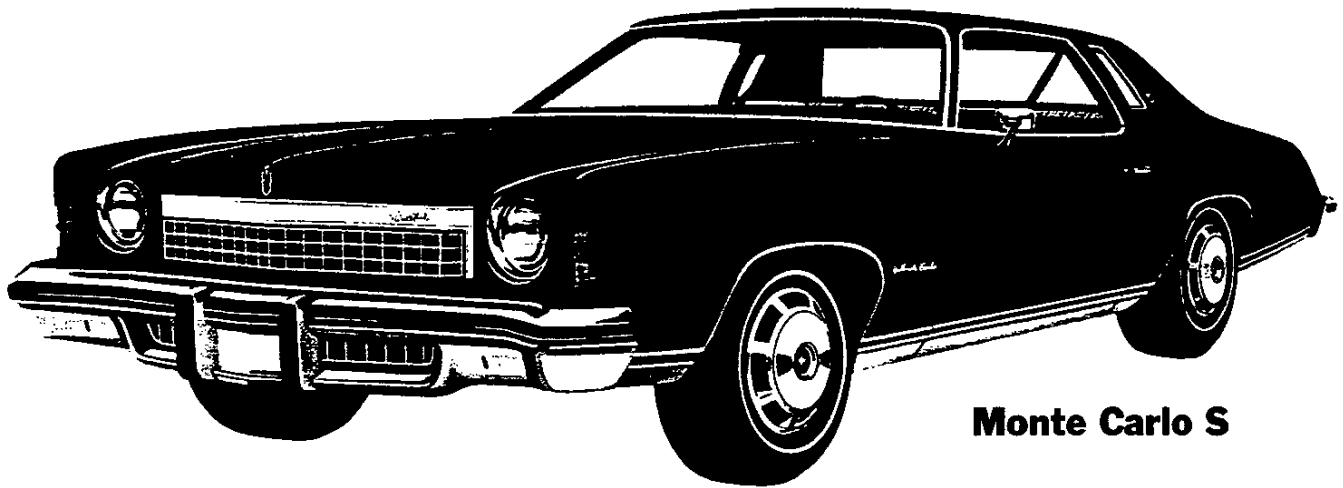


Monte Carlo Landau





Monte Carlo Landau



Monte Carlo S

Monte Carlo Cloth and Vinyl Interior



Monte Carlo All-Vinyl Interior (Swing-out strato-bucket seats illustrated)

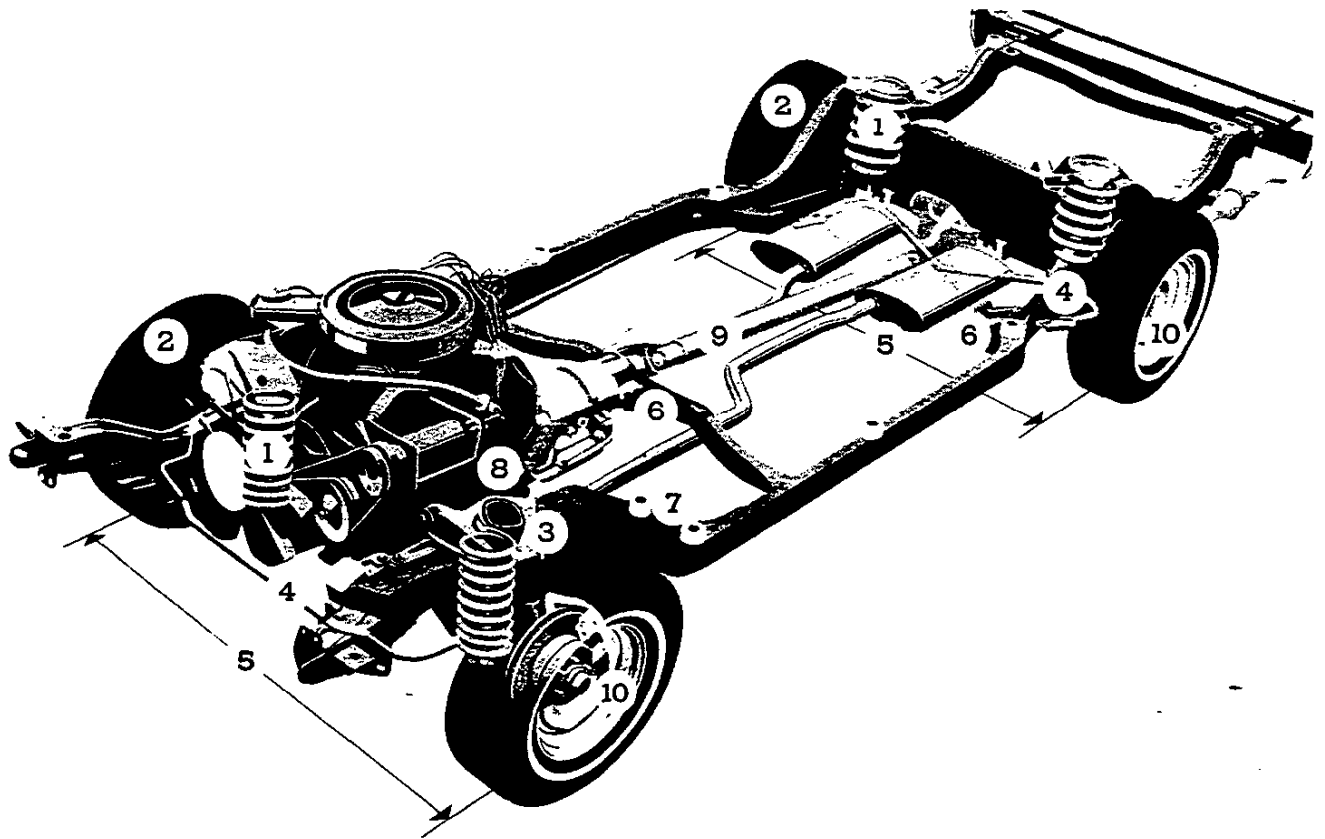


Monte Carlo All-Vinyl Interior



Monte Carlo All-Vinyl Interior





These important design features contribute to Monte Carlo ride quality and precise handling.

1. Full Coil suspension with computer-selected coil springs at each wheel. Control arms, linkage, and suspension members are rubber-insulated at strategic points to help smooth out road shock.

2. GR70-15B steel belted radial ply tires. HR70-15B available; required on Turbo-Jet 454-4V8 models equipped with air conditioning.

3. Front suspension design features

high caster angle for directional stability.

4. Ride stabilizers both front and rear contribute to level ride and reduced sway in turning.

5. Wide-Stance Chassis has wide front (61.9") and rear tread (61.1").

6. Precision-tuned and cushioned chassis components are important for a smooth, quiet ride.

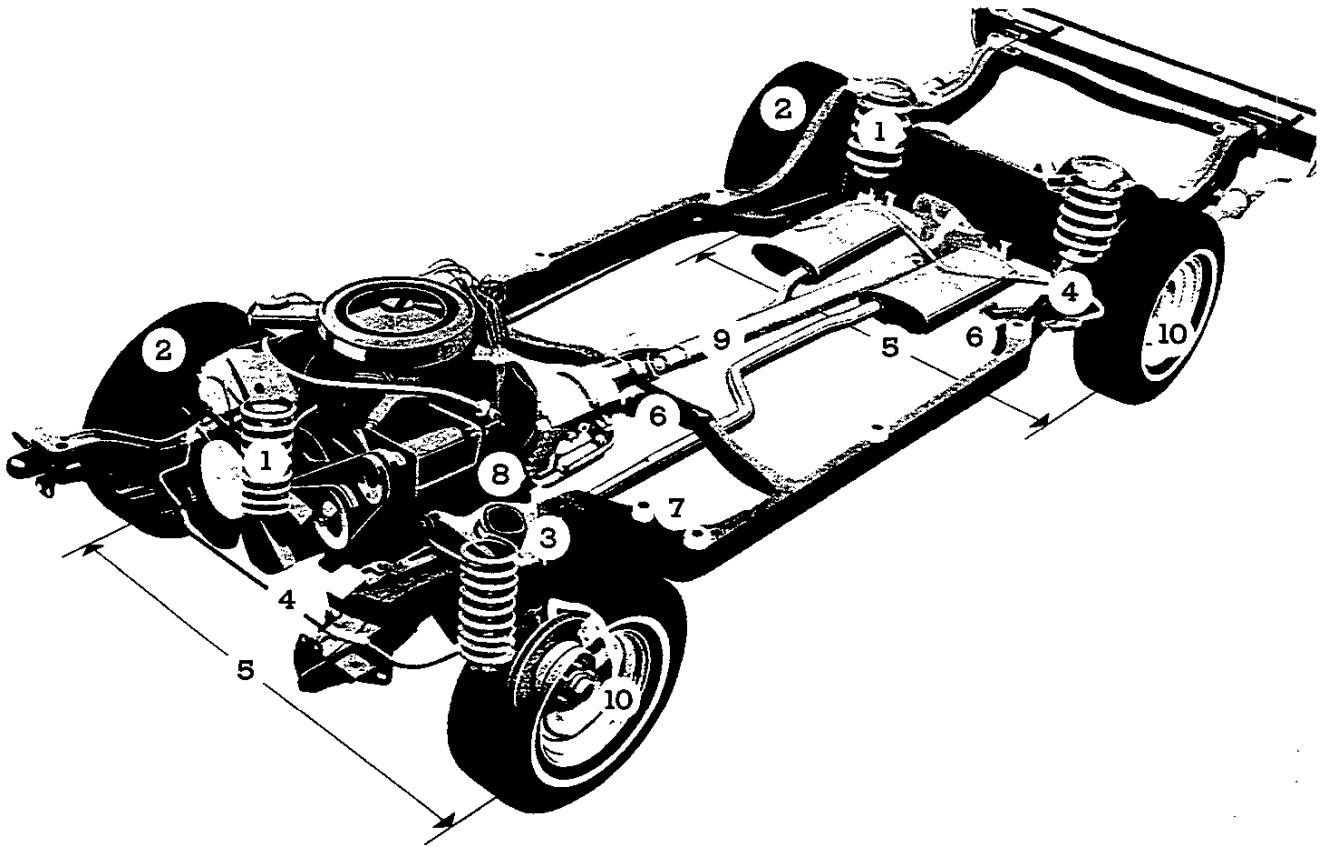
7. Cushioned body mounting system features separate body and frame with thick contour-cushioned body

mounts plus strategically located insulating cushions to help isolate road noise and vibration.

8. Captive cushion engine mounts with engines and transmissions cushioned at all mounting points effectively isolate power team impulses from body and frame.

9. Smooth, quiet drive line with balanced driveshaft.

10. Balanced wheels and tires are statically balanced at the factory.



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Monte Carlo Power Teams Transmissions and axle ratios

	Engine RPO	3-Spd.	Turbo Hydra-matic (M40)	
		Std.	Std.	Trail. or high alt.† (RPO YD1)
Turbo-Fire 350-2	Std. (1)	3.08	2.73	3.42
Turbo-Fire 350-4	LMI (2)	3.08	2.73	3.42
Turbo-Fire 400-2	LF6 (1)	—	2.73	3.42
Turbo-Fire 400-4	LT4 (2)	—	2.73	3.42
Turbo-Jet 454-4	LS4 (3, 4, 5)	—	2.73	3.42

Note: Positraction rear axle (RPO G90) available in all axle ratios.

†Requires special front and rear suspension (RPO F40).

(1) Not available in State of Calif.

(2) Available only when California emission equipment is ordered.

(3) California emission equipment required in State of California.

(4) Available only when heavy-duty battery is ordered.

(5) HR70-15B tires required with air conditioning.

Engine Specifications

Engine	Turbo-Fire 350-2	Turbo-Fire 350-4	Turbo-Fire 400-2	Turbo-Fire 400-4	Turbo-Jet 454-4
Type	V8	V8	V8	V8	V8
Displacement (cu. in.)	350	350	400	400	454
Bore x Stroke (in.)	4.00 x 3.48	4.00 x 3.48	4.125 x 3.75	4.125 x 3.75	4.25 x 4.00
HP @ RPM	145 @ 3800	160 @ 3800	150 @ 3200	180 @ 3800	235 @ 4000
Torque @ RPM	250 @ 2200	245 @ 2400	295 @ 2000	290 @ 2400	360 @ 2800
Compression ratio	8.5:1	8.5:1	8.5:1	8.5:1	8.25:1
Carburetion	2-barrel	4-barrel	2-barrel	4-barrel	4-barrel
Exhaust system	single	single	single	single	dual

Note: Horsepower and Torque ratings are SAE net as installed.

Selected Options

Description	RPO Number	Landau Coupe	S Coupe
Air conditioning: Four-Season. Includes 61-amp generator and increased cooling	C60	X	X
Battery, heavy-duty—4000-watt rating	UA1	X	X
Belts, Custom Deluxe seat and shoulder. Includes brushed metal buckles and color-keyed belts.			
With bench seat—6 seat and 2 front shoulder	AK1	X	X
With bucket seats—5 seat and 2 front shoulder	AK1	X	X
Bumper equipment—front and rear:			
Deluxe bumpers. Includes black resilient impact strips	VE5	X	X
Bumper guards	V30	X	X
California emission equipment	YF5	X	X
Cooling equipment:			
Heavy-duty radiator	V01	X	X
Defogger, rear window (forced-air)	C50	X	X
Door lock system, power	AU3	X	X
Generator, 61-amp Delcotron. Included when air conditioning is ordered	K76	X	X
Glass, Soft-Ray tinted—all windows	A01	X	X
Instrumentation, special. Includes tachometer, ammeter and temperature gauges in instrument cluster	U14	X	X
Lighting, auxiliary includes:	ZJ9	X	X
Ashtray light		X	X
Courtesy light		X	X
Luggage compartment light		X	X
Mirror map light (without Sky Roof)		X	X
Underhood light		X	X
Litter container	D24	X	X
Mats, color-keyed floor—2 front and 2 rear	B37	X	X

Monte Carlo Power Teams Transmissions and axle ratios

	Engine RPO	3-Spd. Turbo Hydra-matic (M40)		
		Std.	Std.	Trail. or high alt.† (RPO YD1)
Turbo-Fire 350-2	Std. (1)	3.08	2.73	3.42
Turbo-Fire 350-4	LM1 (2)	3.08	2.73	3.42
Turbo-Fire 400-2	LF6 (1)	—	2.73	3.42
Turbo-Fire 400-4	LT4 (2)	—	2.73	3.42
Turbo-Jet 454-4	LS4 (3, 4, 5)	—	2.73	3.42

Note: Positraction rear axle (RPO G80) available in all axle ratios.

†Requires special front and rear suspension (RPO F40).

(1) Not available in State of Calif.

(2) Available only when California emission equipment is ordered.

(3) California emission equipment required in State of California.

(4) Available only when heavy-duty battery is ordered.

(5) HR70-15B tires required with air conditioning.

Engine Specifications

Engine	Turbo-Fire 350-2	Turbo-Fire 350-4	Turbo-Fire 400-2	Turbo-Fire 400-4	Turbo-Jet 454-4
Type	V8	V8	V8	V8	V8
Displacement (cu. in.)	350	350	400	400	454
Bore x Stroke (in.)	4.00 x 3.48	4.00 x 3.48	4.125 x 3.75	4.125 x 3.75	4.25 x 4.00
HP @ RPM	145 @ 3800	160 @ 3800	150 @ 3200	180 @ 3800	235 @ 4000
Torque @ RPM	250 @ 2200	245 @ 2400	295 @ 2000	290 @ 2400	360 @ 2800
Compression ratio	8.5:1	8.5:1	8.5:1	8.5:1	8.25:1
Carburetion	2-barrel	4-barrel	2-barrel	4-barrel	4-barrel
Exhaust system	single	single	single	single	dual

Note: Horsepower and Torque ratings are SAE net as installed.

Selected Options

Description	RPO Number	Landau Coupe	S Coupe
Air conditioning: Four-Season. Includes 61-amp generator and increased cooling	C60	X	X
Battery, heavy-duty—4000-watt rating	UA1	X	X
Belts, Custom Deluxe seat and shoulder. Includes brushed metal buckles and color-keyed belts.			
With bench seat—6 seat and 2 front shoulder	AK1	X	X
With bucket seats—5 seat and 2 front shoulder	AK1	X	X
Bumper equipment—front and rear:			
Deluxe bumpers. Includes black resilient impact strips	VE5	X	X
Bumper guards	V30	X	X
California emission equipment	YF5	X	X
Cooling equipment:			
Heavy-duty radiator	V01	X	X
Defogger, rear window (forced-air)	C50	X	X
Door lock system, power	AU3	X	X
Generator, 61-amp Delcotron. Included when air conditioning is ordered	K76	X	X
Glass, Soft-Ray tinted—all windows	A01	X	X
Instrumentation, special. Includes tachometer, ammeter and temperature gauges in instrument cluster	U14	X	X
Lighting, auxiliary includes:	ZJ9	X	X
Ashtray light		X	X
Courtesy light		X	X
Luggage compartment light		X	X
Mirror map light (without Sky Roof)		X	X
Underhood light		X	X
Litter container	D24	X	X
Mats, color-keyed floor—2 front and 2 rear	B37	X	X

Monte Carlo Trim Charts

PLEASE NOTE: The exterior and interior combinations for solid color paint shown in the chart below have been established as the combinations that would be attractive to the average customer. Orders for

non-recommended combinations may be submitted, provided the dealer initials the appropriate order form block as verification that the requested combination is definitely desired.

This procedure does not apply to orders that specify a vinyl roof cover, as the combinations shown below are the only color combinations that have been approved.

Interior	Cloth & Vinyl				All-Vinyl				
	Black	Blue (Dark)	Green (Med.)	Red (Dark)	Black	Blue (Dark)	Green (Med.)	Neutral (Light)	Saddle (Med.)
Doors, sidewalls and headlining	Black	Blue (Dark)	Green (Med.)	Red (Dark)	Black	Blue (Dark)	Green (Med.)	Neutral (Light)	Saddle (Med.)
Seat Color	Black	Blue	Green	Red	Black	Blue	Green	Neutral	Saddle
Instrument Panel Pad	Black	Blue	Green	Red	Black	Blue	Green	Neutral	Saddle
Floor Covering	Black	Blue	Green	Red	Black	Blue	Green	Neutral	Saddle
	Bench seat	CBB1	CDD1	CGG1	CHH1	VBB1	VDD1	VGG1	VNN1
	Bucket seat	CBB2		CGG2	CHH2	VBB2		VGG2	VSS2

Exterior Body Color Code:	Lower	Upper	Black	Blue (Dark)	Green (Med.)	Red (Dark)	Black	Blue (Dark)	Green (Med.)	Neutral (Light)	Saddle (Med.)
Beige, Cream	50	50	X		X	X	X		X	X	X
Black, Tuxedo	19	19	X	X	X	X	X	X	X	X	X
Blue, Aqua (Metallic)	36	36	X				X			X	
Blue, Bright (Metallic)	26	26	X	X			X	X			
Blue, Light (Metallic)	24	24	X	X			X	X			
Blue, Midnight (Metallic)	29	29	X	X			X	X			
Bronze (Metallic)	66	66	X				X			X	X
Brown, Golden (Metallic)	59	59	X				X			X	X
Green, Bright (Metallic)	46	46	X		X		X		X	X	
Green, Medium	44	44	X		X		X		X	X	
Green, Med. Dark (Metallic)	49	49	X		X		X		X	X	X
Red, Medium (Metallic)	74	74	X			X	X				X
Sandstone	55	55	X				X			X	
Silver (Metallic)	64	64	X			X	X			X	X
Taupe, Dark (Metallic)	69	69	X				X			X	X
White, Antique	11	11	X	X	X	X	X	X	X	X	X

Pin Stripe Color—Landau Coupe only	Code
Black—All exteriors except Black or Midnight Blue Exterior Paint	19A
White—All exteriors except White Exterior Paint	11A

Vinyl Roof Colors

Vinyl roof*	Code	Solid exterior body color availability
Black	BB	All Exterior Colors.
Blue (Medium)	DD	11, 24, 26 or 29 only.
Brown	FF	11, 50, 59, 64 or 69 only.
Cream-Beige	EE	11, 19, 50, 55, 59 or 69 only.
Green (Medium)	GG	11, 44, 46 or 49 only.
Red (Dark)	HH	11, 19, 64 or 74 only.
White	AA	All Exterior Colors.

*Includes outline and roof drip moldings.

Monte Carlo Trim Charts

PLEASE NOTE: The exterior and interior combinations for solid color paint shown in the chart below have been established as the combinations that would be attractive to the average customer. Orders for

non-recommended combinations may be submitted, provided the dealer initials the appropriate order form block as verification that the requested combination is definitely desired.

This procedure does not apply to orders that specify a vinyl roof cover, as the combinations shown below are the only color combinations that have been approved.

Interior	Cloth & Vinyl				All-Vinyl				
	Black	Blue (Dark)	Green (Med.)	Red (Dark)	Black	Blue (Dark)	Green (Med.)	Neutral (Light)	Saddle (Med.)
Doors, sidewalls and headlining	Black	Blue	Green	Red	Black	Blue	Green	Neutral	Saddle
Seat Color	Black	Blue	Green	Red	Black	Blue	Green	Neutral	Saddle
Instrument Panel Pad	Black	Blue	Green	Red	Black	Blue	Green	Neutral	Saddle
Floor Covering	Bench seat	CBB1	CDD1	CGG1	CHH1	VBB1	VDD1	VGG1	VNN1
	Bucket seat	CBB2		CGG2	CHH2	VBB2		VGG2	VSS2

Exterior Body Color Code:	Lower	Upper	Black	Blue (Dark)	Green (Med.)	Red (Dark)	Black	Blue (Dark)	Green (Med.)	Neutral (Light)	Saddle (Med.)
Beige, Cream	50	50	X		X	X	X		X	X	X
Black, Tuxedo	19	19	X	X	X	X	X	X	X	X	X
Blue, Aqua (Metallic)	36	36	X				X			X	
Blue, Bright (Metallic)	26	26	X	X			X	X			
Blue, Light (Metallic)	24	24	X	X			X	X			
Blue, Midnight (Metallic)	29	29	X	X			X	X			
Bronze (Metallic)	66	66	X				X			X	X
Brown, Golden (Metallic)	59	59	X				X			X	X
Green, Bright (Metallic)	46	46	X		X		X		X	X	
Green, Medium	44	44	X		X		X		X	X	
Green, Med. Dark (Metallic)	49	49	X		X		X		X	X	X
Red, Medium (Metallic)	74	74	X			X	X				X
Sandstone	55	55	X				X			X	
Silver (Metallic)	64	64	X			X	X			X	X
Taupe, Dark (Metallic)	69	69	X				X			X	X
White, Antique	11	11	X	X	X	X	X	X	X	X	X

Pin Stripe Color—Landau Coupe only	Code
Black—All exteriors except Black or Midnight Blue Exterior Paint	19A
White—All exteriors except White Exterior Paint	11A

Vinyl Roof Colors

Vinyl roof*	Code	Solid exterior body color availability
Black	BB	All Exterior Colors.
Blue (Medium)	DD	11, 24, 26 or 29 only.
Brown	FF	11, 50, 59, 64 or 69 only.
Cream-Beige	EE	11, 19, 50, 55, 59 or 69 only.
Green (Medium)	GG	11, 44, 46 or 49 only.
Red (Dark)	HH	11, 19, 64 or 74 only.
White	AA	All Exterior Colors.

*Includes outline and roof drip moldings.

MONTE CARLO

1974 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles shipped on and after May 15, 1974

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
◆ 8-Cylinder Engine										
S Coupe—										
6-Passenger	1AH57	—	116"					3825.50	10	
Landau Coupe—										
6-Passenger	1AH57	Z03	116"					4069.50	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 vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Air Conditioning: <i>Four-Season.</i> Includes K76 61-amp generator and increased cooling.	C60					440.00
Axle, Positraction Rear	G80					47.00
Axle Ratios:						
<i>Economy</i>	G95					12.00
<i>Performance</i>	G92					12.00
<i>Trailerling.</i> Includes F40 suspension equipment	YD1					29.00
Battery, Heavy-Duty: 15-plate, 80-amp-hr. Included with LS4 454-4 /DE engine.	UA1					15.00
Belts, Custom Deluxe Seat and Shoulder: Includes brushed metal buckles and color-keyed belts. (Standard belts and plastic buckles are black)						
<i>REPLACING STANDARD NUMBER OF BELTS:</i>						
With bench seat—6 seat and 2 front shoulder.	AK1					16.00
With bucket seats—5 seat and 2 front shoulder.	AK1					14.50
Bumper Equipment: Front and Rear.						
<i>Bumpers, Deluxe.</i> Includes black resilient impact strips	VE5					25.00
<i>Guards, Bumper</i>	V30					34.00
California Emission Certification: Includes all testing, equipment and /or certification necessary for registration in the State of California						
	YF5					21.00
Console: Includes compartment. Shift lever mounted on console.						
	D55					63.00
Container, Litter: Color-keyed.						
	D24					5.00
Cooling Equipment: Radiator, Heavy-Duty						
	V01					22.00
Defogger, Rear Window: Forced-Air						
	C50					36.00
Door Lock System, Power: Electric						
	AU3					50.00
Engines: (Refer to Dealer Order Guide for California Requirements)						
<i>Turbo-Fire 350-2 /SE V8</i>	L65					
<i>Turbo-Fire 350-4 /SE V8</i>	LM1					49.00
<i>Turbo-Fire 400-2 /SE V8.</i> Includes High Energy Ignition	LF6					113.00
<i>Turbo-Fire 400-4 /SE V8.</i> Includes High Energy Ignition	LT4					162.00
<i>Turbo-Jet 454-4 /DE V8.</i> Includes UA1 HD battery and High Energy Ignition.	LS4					297.00
Generator, 61-Amp Delcotron: Included with C60 air conditioning.						
	K76					26.00
Glass, Soft-Ray Tinted: All windows						
	A01					51.00
Horns, Dual						
	U05					4.00
Instrumentation: Includes ammeter and temperature gauges mounted in instrument panel						
<i>Econominder Gauge Package.</i> Also includes economy gauge	UF7					42.50
<i>Special.</i> Also includes tachometer.	U14					71.00

* 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

1974 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Model Number	Body Code	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H [†]	List Price	Mfr's Sgt'd Retail Price*	Destination Charge & Group Number	Total
◆ 8-Cylinder Engine										
1'S* Coupe—										
6-Passenger	1AH57	—	116"					3825.50	10.....	
Landau Coupe—										
6-Passenger	1AH57	Z03	116"					4069.50	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 vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H [†]	List Price	Mfr's Suggested Retail Price [◇]
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Air Conditioning: <i>Four-Season.</i> Includes K76 61-amp generator and increased cooling.....	C60					440.00
Axle, Positraction Rear	G80					47.00
Axle Ratios:						
<i>Economy</i>	G95					12.00
<i>Performance</i>	G92					12.00
<i>Trailerling.</i> Includes F40 suspension equipment	YD1					29.00
Battery, Heavy-Duty: 15-plate, 80-amp-hr. Included with LS4 454-4 /DE engine.....	UA1					15.00
Belts, Custom Deluxe Seat and Shoulder: Includes brushed metal buckles and color-keyed belts. (Standard belts and plastic buckles are black)						
REPLACING STANDARD NUMBER OF BELTS:						
With bench seat—6 seat and 2 front shoulder.....	AK1					16.00
With bucket seats—5 seat and 2 front shoulder.....	AK1					14.50
Bumper Equipment: Front and Rear.						
<i>Bumpers, Deluxe.</i> Includes black resilient impact strips.....	VE5					25.00
<i>Guards, Bumper</i>	V30					34.00
California Emission Certification: Includes all testing, equipment and /or certification necessary for registration in the State of California	YF5					21.00
Console: Includes compartment. Shift lever mounted on console.....	D55					63.00
Container, Litter: Color-keyed.....	D24					5.00
Cooling Equipment: <i>Radiator, Heavy-Duty</i>	V01					22.00
Defogger, Rear Window: Forced-Air	C50					36.00
Door Lock System, Power: Electric	AU3					50.00
Engines: (Refer to Dealer Order Guide for California Requirements)						
<i>Turbo-Fire 350-2 /SE V8</i>	L65					49.00
<i>Turbo-Fire 350-4 /SE V8</i>	LM1					113.00
<i>Turbo-Fire 400-2 /SE V8.</i> Includes High Energy Ignition.....	LF6					162.00
<i>Turbo-Fire 400-4 /SE V8.</i> Includes High Energy Ignition.....	LT4					162.00
<i>Turbo-Jet 454-4 /DE V8.</i> Includes UA1 HD battery and High Energy Ignition.....	LS4					297.00
Generator, 61-Amp Delcotron: Included with C60 air conditioning.....	K76					26.00
Glass, Soft-Ray Tinted: All windows	AO1					51.00
Horns, Dual	U05					4.00
Instrumentation: Includes ammeter and temperature gauges mounted in instrument panel						
<i>Econominder Gauge Package.</i> Also includes economy gauge	UF7					42.50
<i>Special.</i> Also includes tachometer.....	U14					71.00

* 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.

1974 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 1974	Issued: September 1973 Revised (•) March, 1974

The information contained herein is prepared, distributed, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association.

Revised pages attached - 2.

1974 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 1974	Issued: September 1973 Revised (•) March, 1974

The information contained herein is prepared, distributed, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association.

Revised pages attached - 2.

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO "S"
 Model Year 1974 Issued 9-73 Revised (•) _____

Car Models

Model Description	Make, Car Line, Series, Body Type (Mfg's Model Code)	Max. Number of Passengers (Front/Rear)	
<u>MONTE CARLO "S"</u>	<u>Model</u>	<u>Front</u>	<u>Rear</u>
2-Door Sport Coupe	1AH57	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 1974 Issued 9-73 Revised (•) _____

Car Models

Model Description	Make, Car Line, Series, Body Type (Mfg's Model Code)	Max. Number of Passengers (Front/Rear)	
<u>MONTE CARLO "S"</u>	<u>Model</u>	<u>Front</u>	<u>Rear</u>
2-Door Sport Coupe	1AH57	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 1974 Issue 9-73 Revised (•) _____

Car And Body Dimensions See Pages 29 - 31 for SAE Dimension Definitions

Body Type

SAE Ref. No.	SPORT COUPE
--------------------	-------------

Front Compartment

H Point to body "D" line	L31	42.3
Effective head room	H8*	37.5
Max. eff leg room - accelerator	L34	42.1
H Point to Heel point	H30	8.7
H Point travel	L17	5.2
Shoulder room	W3	58.8
Hip room	W5	56.0
Upper body opening to ground	H50	48.9

Rear Compartment

H Point couple distance	L50	31.0
Effective head room	H83	37.4
Min. effective leg room	L51	32.9
H Point to Heel point	H31	10.1
Min. knee room	L45	-1.3
Rear Compartment room	L3	24.2
Shoulder room	W4	57.1
Hip room	W5	52.9
Upper body opening to ground	H51	--

Luggage Compartment

Usable luggage capacity (cu. ft) max	L1	14.7
Liftover height	H95	25.7
Position of spare tire storage		Centered in forward trunk area
Method of holding lid open		Boxed hinges with torsion rod

Station Wagon — Third Seat

Shoulder Room	H85	
Hip room	W86	
Effective leg room	L88	
Effective head room	H88	
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	
Opening width at belt	L204	
Maximum cargo height	H201	
Rear opening height	H202	
Cargo tie-down index (cu. ft) <small>204 x H201 H202</small>		

* Corporation "H" (Shoebox) method of measurement is used.

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO "S"
 Model Year 1974 Issued 9-73 Revised (•) _____

Car And Body Dimensions See Pages 29 - 31 for SAE Dimension Definitions

Body Type

SAE Ref. No.	SPORT COUPE
--------------------	-------------

Front Compartment

H Point to body "O" line	L31	42.3
Effective head room	H51	37.5
Max. eff. leg room - accelerator	L34	42.1
H Point to Heel point	H30	8.7
H Point travel	L17	5.2
Shoulder room	W3	58.8
Hip room	W5	56.0
Upper body opening to ground	H50	48.9

Rear Compartment

H Point couple distance	L50	31.0
Effective head room	H53	37.4
Min. effective leg room	L51	32.9
H Point to Heel point	H31	10.1
Min. knee room	L45	-1.3
Rear Compartment room	L3	24.2
Shoulder room	W4	57.1
Hip room	W3	52.9
Upper body opening to ground	H51	--

Luggage Compartment

Usable luggage capacity (cu. ft.) *	L1	14.7
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

Station Wagon — Third Seat

Shoulder Room	W55	
Hip room	W55	
Effective leg room	L55	
Effective head room	H55	
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	
Opening width at belt	L204	
Maximum cargo height	H111	
Rear opening height	H201	
Cargo tie-down index (CU. FT.) <small>W x L x H (in.) 204 x 60 x 111</small>		

* Corporation "H" (Shoebox) method of measurement is used.

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO "S"
 Model Year 1974 Issued 9-73 Revised (e, _____)

Engine Displacement

V8 350 C.I.		V8 400 C.I.		V8 454 C.I.
L65	LM1	LF6	LT4	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			
No. system (front to rear)	L Bank	1-3-5-7		
	R Bank	2-4-6-8		
Firing Order	1-8-4-3-6-5-7-2			
Cylinder Head Material	Cast iron alloy			
Cylinder Block Material	Cast iron alloy			
Cyl. Sleeve-Wet, dry none	None			
Number of mtg. points	Front	Two		
	Rear	One		
Engine installation angle	4° 46'			
Taxable horsepower	Dia 2 x No. Cyl 2.5	51.2	54.5	57.8
Recommended fuel	Unleaded or low lead			
Cylinder Head Volume (cc)	75.47	75.47	115.33	
Head Gasket Thickness (Compressed)	.021	.039	.028	
Head Gasket Volume (cc)	4.58	8.81	7.01	
Deck Clearance (minimum) (above or below block)	.025 (below)	.025 (below)	.028 (below)	
Minimum Combustion Chamber Volume (cc)	74.47	74.47	114.33	

Engine — Pistons

Material	Cast aluminum alloy			
Description and finish	Sump head; slipper skirt		Flat head; Valve cutout	
Weight (piston only) oz.	21.23	21.92	25.94	
Clearance (limits)	Top land	.0235-.0325	.0365-.0455	.0270-.0330
	Skirt	Top Bottom	.0007-.0017(a) --	.0014-.0024(a) --
Ring groove diameter	No. 1 ring	3.541-3.556	3.649-3.659	3.770-3.780
	No. 2 ring	3.541-3.556	3.649-3.659	3.770-3.780
	No. 3 ring	3.577-3.592	3.678-3.688	3.803-3.813

(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 1974 Issued 9-73 Revised (•) _____

Engine Displacement		
V8 350 C.I.	V8 400 C.I.	V8 454 C.I.
L65 LM1	LF6 LT4	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
Piston displacement, cu. in.	350	400
Bore spacing (C/L to C/L)	4.40	
No. system	1-3-5-7	
(front to rear)	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	
Cvt. Sleeve-Wet, dry, none	None	
Number of mtg. points	Two	
	One	
Engine installation angle	4° 46'	
Taxable horsepower	51.2	54.5
		57.8
Recommended fuel	Unleaded or low lead	
regular — premium		
Cylinder Head Volume (cc)	75.47	75.47
Head Gasket Thickness (Compressed)	.021	.039
Head Gasket Volume (cc)	4.58	8.81
Deck Clearance (minimum) (above or below block)	.025 (below)	.025 (below)
Minimum Combustion Chamber Volume (cc)	74.47	74.47
		114.33

Engine — Pistons

Material	Cast aluminum alloy		
Description and finish	Sump head : slipper skirt	Flat head; Valve cutout	
Weight (piston only) oz.	21.23	21.92	
Clearance (limits)	Top land	.0235-.0325	
	Skirt	Top	.0007-.0017(a)
		Bottom	—
Ring groove diameter	No. 1 ring	3.541-3.556	
	No. 2 ring	3.541-3.556	
	No. 3 ring	3.577-3.592	

- (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 1974 Issued 9-73 Revised (•) _____

Engine Displacement

V8 350 C.I. L65 LM1		V8 400 C.I. LF6 LT4		V8-454 C.I. LS4
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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 overall length	No. 1	2.4502 x .752	2.6503 x .752	2.7499 x .992
		No. 2	2.4502 x .752	2.6503 x .752	2.7504 x .992
		No. 3	2.4502 x .752	2.6503 x .752	2.7504 x .992
		No. 4	2.4502 x .752	2.6503 x .752	2.7504 x .992
		No. 5	2.4508 x 1.180	2.6509 x 1.181	2.7505 x 1.256
	No. 6	None			
No. 7	None				
Dir. & amt. cyl. offset	None				
No. bolts/main brg. cap	10 bolts / 5 brg. caps				
Crankpin journal diameter		2.099-2.100		2.199-2.200	

Engine—Camshaft

Location		In block above crankshaft			
Material		Cast alloy iron			
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

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO "S"
 Model Year 1974 Issued 9-73 Revised (•) _____

Engine Displacement

V8 350 C.I. L65 LM1		V8 400 C.I. LF6 LT4		V8-454 C.I. LS4
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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 overall length	No. 1	2.4502 x .752	2.6503 x .752	2.7499 x .992
		No. 2	2.4502 x .752	2.6503 x .752	2.7504 x .992
		No. 3	2.4502 x .752	2.6503 x .752	2.7504 x .992
		No. 4	2.4502 x .752	2.6503 x .752	2.7504 x .992
		No. 5	2.4508 x 1.180	2.6509 x 1.181	2.7505 x 1.256
		No. 6	None		
No. 7		None			
Dir. & amt. cyl. offset	None				
No. bolts/main brg. cap	10 bolts/ 5 brg. caps				
Crankpin journal diameter		2.099-2.100		2.199-2.200	

Engine—Camshaft

Location		In block above crankshaft		
Material		Cast alloy iron		
Bearings	Material	Steel backed babbitt		
	Number	5		
Gear or chain		Chain		
Crankshaft gear or sprocket material		Steel sprocket		
Type of Drive	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

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised 10

Engine Displacement					
V8 350 C.I.		V8 400 C.I.		V8 454 C.I.	
L65	LM1	LF6	LT4	LS4	

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 hearing
	Cylinder walls	Pressure jet cross sprayed
Oil pump type	Gear	
Normal oil pressure (lb. @ engine rpm)	32-40 @ 2000	42-46 @ 2000
Oil press. sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary	
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 with crossover	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow	2 mufflers 2 resonators
Exhaust pipe dia	Branch	2.00 x .090 (a)	2.00 x .062 (b)
	Main	2.25 x .086 (a)	2.25 x .082 (a)
Tail pipe dia (OD & wall thickness)		2.00 x .062	

(a) Laminated

(b) Pipe-muffler to resonator

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised 10-73

Engine Displacement					
V8 350 C.I.		V8 400 C.I.		V8 454 C.I.	
L65	LM1	LF6	LT4	LS4	

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	42-46 @ 2000	
Oil press. sending unit (elect. or mech.)	Electric		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Full flow		
Filter replacement (element, complete)	Complete		
Capacity of oil case, 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 with crossover	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow	2 mufflers 2 resonators
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.00 x .090 (a)
	Main	2.25 x .086 (a)
Tail pipe dia. (O.D. & wall thickness)	2.00 x .062	

(a) Laminated

(b) Pipe-muffler to resonator

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised (•) _____

Engine Displacement					
V8 350 C.I.		V8 400 C.I.		V8 454 C.I.	
L65	LM1	LF6	LT4	LS4	

Engine — Cooling System

Cooling 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 @ 2000 pump rpm	22.7	23.3	25.8	
	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		24	
	Without heater (qt.)	17		23	
	Opt. equipment-specify (qt.)	20		26	
Water jackets full length of cyl. (yes, no)		Yes			
Water all around cylinder (yes, no)		Yes			
Radiator nose	Lower	Number and type (molded, straight)	One; molded		
		Inside diameter	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	
	Diameter	19.00		19.50	
	Ratio:an 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		D	
	Generator or alternator	A		D	
	Water Pump	A		D	
	Power Steering	B		E	
	Air Conditioning	C		F	
	Air Injection	A		D	

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	_____		34°-38°		_____						
Nominal length (SAE)	47.50	36.00	55.00	50.00	41.00	58.50					
Width	_____		.380		_____						

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised (•) _____

Engine Displacement

V8 350 C.I.		V8 400 C.I.		V8 454 C.I.
L65	LM1	LF6	LT4	LS4

Engine — Cooling System

Cooling 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 ²⁰⁰⁰ pump rpm	22.7	23.3	25.8	
	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	24		
	Without heater (qt.)	17	23		
	Opt. equipment-specify (qt.)	20	26		
Water jackets full length of cyl. (yes, no)		Yes			
Water all around cylinder (yes, no)		Yes			
Radiator nose	Lower	Number and type (molded, straight)	One; molded		
		Inside diameter	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 & soacing	4-blade, staggered	7-blade		
	Diameter	19.00	19.50		
	Ratio-an 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	D		
	Generator or alternator	A	D		
	Water Pump	A	D		
	Power Steering	B	E		
	Air Conditioning	C	F		
Air Injection		A	D		

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle (°)	_____		34° - 38°	_____							
Nominal length (SAE)	47.50	36.00	55.00	50.00	41.00	58.50					
Width	_____		.380	_____							

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO
 Model Year 1974 issued 9-73 Revised (•) _____

Engine Displacement

V8-350 L65 & 400 LF6 and V8-454 - All states except Calif.	V8-350 LM1 & 400 LT4 V8-454 California only
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Vehicle Emission Control (Continued)

Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity
		Pressure relief location (lbs.)	1.1 PSI
		Vacuum relief location (lbs.)	.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	

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO
 Model Year 1974 Issued 9-73 Revised (•) _____

Engine Displacement

V8-350 L65 & 400 LF6 and V8-454 - All states except Calif.

V8-350 LMI & 400 LT4
 V8-454
 California only

Vehicle Emission Control (Continued)

Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity
		Pressure relief location (lbs.)	1.1 PSI
		Vacuum relief location (lbs.)	.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	

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised (e, _____)

Engine Displacement

V8 350 C.I.		V8 400 C.I.		V8 454 C.I.
L65	LM1	LF6	LT4	LS4

Electrical — Ignition System — Distributor

Breaker gap (in.)		.019				
Cam angle (deg.)		29-31				
Brkr. arm tension (oz.)		19-23			28-32	
Distributor	Manual	1112844	1112543	Not available		
	Automatic	1112844	(1112093)	1112846	(1112545)	1112113 (1112113)
Timing	Manual	0° BTC @ 900	4° BTC @ 900	----		
	Automatic	8° BTC @ 600	(8° BTC @ 600)	8° BTC @ 600	10° BTC @ 600	

Note: Data bracketed () pertains to engines used in California only

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
1112093	0° @ 900-1300	9-13 @ 2400	16-20 @ 4200	0° @ 5-7	13.5-16.5@13.5
1112113	0° @ 900-1300	9-13 @ 2400	16-20 @ 4200	0° @ 5-7	18.5-21.5@15.5
1112543	0° @ 800-1300	13-15 @ 2400	20-24 @ 4200	0° @ 5-7	13.5-16.5@13.5
1112545	0° @ 700-1300	---	16-20 @ 3900	0° @ 7-9	13.5-19.5@15.5
1112844	0° @ 675-1300	---	18-22 @ 4200	0° @ 2-4	12.5-15.5@8.0
1112846	0° @ 700-1300	---	18-22 @ 4200	0° @ 3-5	13.5-16.5@10.0

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised ()

Engine Displacement

V8 350 C.I.		V8 400 C.I.		V8 454 C.I.
L65	LM1	LF6	LT4	LS4

Electrical — Ignition System — Distributor

Breaker gap (in.)	.019				
Cam angle (deg.)	29-31				
Brkr. arm tension (oz.)	19-23			28-32	
Distributor	Manual	1112844	1112543	Not available	
	Automatic	1112844	(1112093)	1112846	(1112545)
Timing	Manual	0° BTC @ 900	4° BTC @ 900	----	
	Automatic	8° BTC @ 600	8° BTC @ 600	8° BTC @ 600	10° BTC @ 600

Note: Data bracketed () pertains to engines used in California only

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
1112093	0° @ 900-1300	9-13 @ 2400	16-20 @ 4200	0° @ 5-7	13.5-16.5@13.5
1112113	0° @ 900-1300	9-13 @ 2400	16-20 @ 4200	0° @ 5-7	18.5-21.5@15.5
1112543	0° @ 800-1300	13-15 @ 2400	20-24 @ 4200	0° @ 5-7	13.5-16.5@13.5
1112545	0° @ 700-1300	---	16-20 @ 3900	0° @ 7-9	13.5-19.5@15.5
1112844	0° @ 675-1300	---	18-22 @ 4200	0° @ 2-4	12.5-15.5@8.0
1112846	0° @ 700-1300	---	18-22 @ 4200	0° @ 3-5	13.5-16.5@10.0

MVMA Specifications Form
Passenger Car

Car Line _____
 Model Year 1974 issued 9-73 Revised (•) _____

Engine Displacement

V8-350 CU. IN. (L65 & LM1)

Drive Units—Clutch (Manual Transmission)

Make & type	Chevrolet, single dry disc	
Type pressure plate springs	Diaphragm, belt finger design	
Total spring load (lb.)	1100-2300	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Outside & inside dia	10.34x6.50
	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.)	Not available
Manual 4-speed (std., opt., N.A.)	Not available
Automatic (std., opt., N.A.)	Standard

Drive Units — Manual Trans.

Number of forward speeds	3		
Transmission ratios	In first	2.54	
	In second	1.50	
	In third	1.00	
	In fourth	--	
	In reverse	2.63	
Synchronous meshing, specify gears	All forward gears		
Shift lever location	Steering column		
Lubricant:	Capacity (qt.)	3	
	Type recommended	Meeting Military Specs MIL-L-2105B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
		Extreme cold	SAE 80

**MVMA Specifications Form
Passenger Car**

Car Line 1974
Model Year 1974 issued 9-73 Revised (•) _____

Engine Displacement

V8-350 CU. IN. (L65 & LM1)

Drive Units—Clutch (Manual Transmission)

Make & type	Chevrolet single dry disc	
Type pressure plate springs	Diaphragm belt finger design	
Total spring load (lb.)	1100-2300	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Outside & inside dia	10.34x6.50
	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.)	Not available
Manual 4-speed (std., opt., N.A.)	Not available
Automatic (std., opt., N.A.)	Standard

Drive Units — Manual Trans.

Number of forward speeds	3		
Transmission ratios	in first	2.54	
	in second	1.50	
	in third	1.00	
	in fourth	--	
	in reverse	2.63	
Synchronous meshing, specify gears	All forward gears		
Shift lever location	Steering column		
Lubricant	Capacity (qt)	3	
	Type recommended	Meeting Military Specs MIL-L-2105B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
Extreme cold		SAE 80	

**MVMA Specifications Form
Passenger Car**

Car Line MONTE CARLO 'S'
 Model Year 1974 issued 9-73 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 ² x wall thickness	Manual 3-speed trans.	Not available
	Manual 4-speed trans.	Not available
	Automatic transmission	3.00 x 57.65 x 0.065
Intermediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O. D.	1.1750 - 1.1752
Universal joints	Make and Mfg. No.	Saginaw 27 & 32
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	Strap and bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-pack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

²Center to center of universal joints, or to centerline of rear attachment

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 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.	Not available
	Manual 4-speed trans.	Not available
	Automatic transmission	3.00 x 57.65 x 0.065
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting prepack)	--
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O. D.	1.1750 - 1.1752
Universal joints	Make and Mfg. No.	Saginaw 27 & 32
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	Strap and bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-pack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

*Measure to center of universal joints or to centerline of rear attachment

MVMA Specifications Form

Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised (•) _____

Body Type And/Or Engine Displacement

--	--

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	--	
		Rear	Standard	
	Disc	Front	Standard	
		Rear	--	
Self adjusting (std., opt., N.A.)			Standard	
Special Valving	Type (proportion, delay, metering, other) Metering and proportioning			
Power Brake (std., opt., N.A.)			Standard	
Booster Type (remote, integral, etc.)			Integral	
Effective area (sq. in.)*			102.1	
Gross lining area (sq. in.)**			110.1	
Swept area (sq. in.)***			337.3	
Effectiveness	Front		Controlled by valving	
	Rear		Controlled by valving	
Drum	Diameter (nominal)	Front	--	
		Rear	9.5	
	Type and material			Composite; cast iron, steel web
	Rotor:			
	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		1.46	
Pedal arc ratio			3.1:1	
Line pressure at 100 lb. pedal load				
Shoe Clearance	Front		Self adjusting	
	Rear		Self adjusting	
Anti-skid device type (std., opt., N.A.)			N.A.	
Bonded or riveted			Riveted	
Brake lining	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	5.40 x 1.92 x 0.465
		Segments per shoe		
	Rear Wheel	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	9.84 x 2.0 x 0.30
		Segments per shoe		

* Excludes rivet holes, grooves, chamfers, etc.
 ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept area for four brakes (Widest lining contact width for each brake x its contact circumference.)

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised (•)

Body Type And/Or Engine Displacement

--

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	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; 128.96 x .668 (a)
	Spring rate (lb. per in.)	365 (a)
	Rate at wheel (lb. per in.)	101.7 (a)
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 (a)
	Mounting insulation type	Natural rubber
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel - 1.00
Shock absorber type	--	

a) Rating for base equipped model only.

MVMA Specifications Form Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised (●)

Body Type And/Or Engine Displacement

--	--

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Geometry of rear suspension	
Special provisions for car latching	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; 128.96 x .668 (a)
	Spring rate (lb. per in.)	365 (a)
	Rate at wheel (lb. per in.)	101.7 (a)
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 (a)
	Mounting insulation type	Natural rubber
	leaf	No. of leaves
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel - 1.00
Track bar type	--	

a) Rating for base equipped model only.

MVMA Specifications Form
Passenger Car

Car Line **MONTE CARLO 'S'**
 Model Year **1974** Issued **9-73** Revised

Body Type

--

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	NA
	Backlight or tailgate	--
Power seats (specify type as well as availability)		Optional 6-way bench seat
Reclining front seat back (R-L or both)		NA
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**	28.50
		Lowest	--
	Tail (H128)	Highest	26.11
		Lowest	--
Sidemarker	Front	27.33	
	Rear	13.29	
Distance from C.L. of car to center of bulb	Headlamp	Inside	--
		Outside**	25.98
	Tail	Inside	--
		Outside	31.18
	Directional	Front	33.82
		Rear	31.18

*Measured with passenger load and trunk capacity specified in Car and Body Dimension section

**If single headlamps are used enter here

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO 'S'
 Model Year 1974 Issued 9-73 Revised ()

Body Type

--

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	NA
	Backlight or taigate	--
Power seats (specify type as well as availability)		Optional 6-way bench seat
Reclining front seat back (R-L or both)		NA
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*

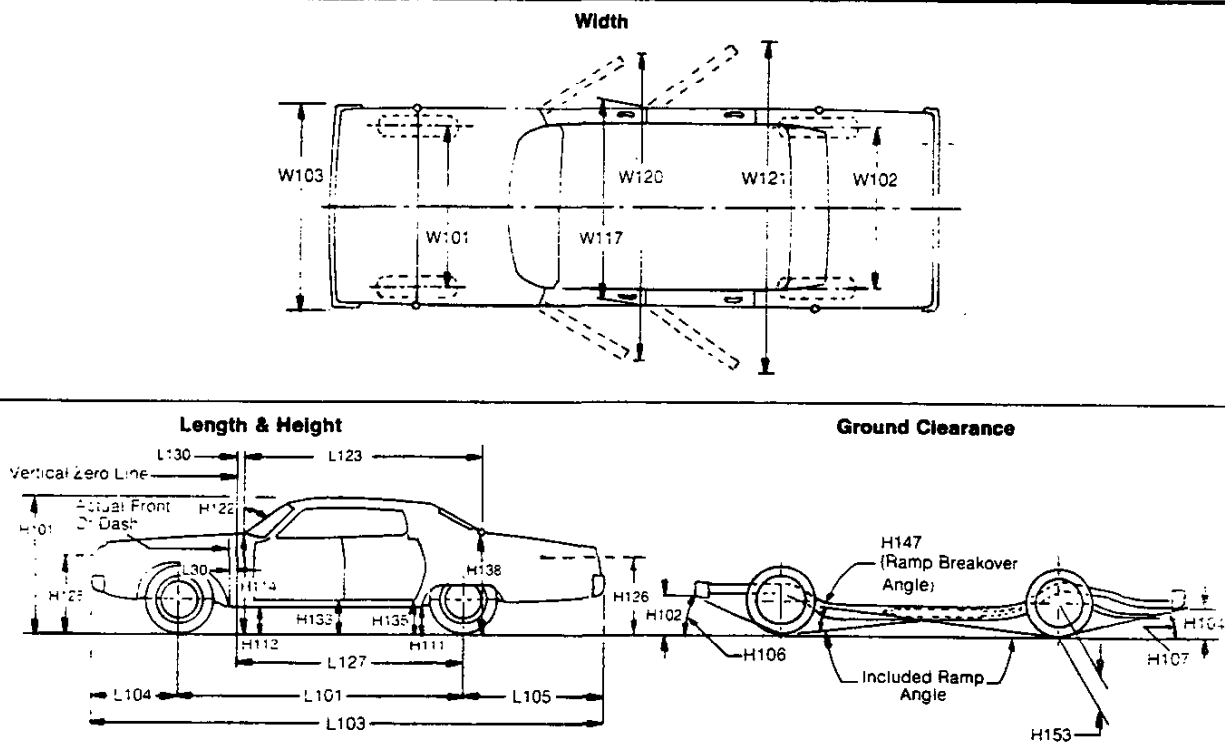
Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	28.50
		Lowest	--
	Tail (H126)	Highest	26.11
		Lowest	--
Sidemarker	Front	27.33	
	Rear	13.29	
Distance from C.L. of car to center of bulb	Headlamp	Inside	--
		Outside**	25.98
	Tail	Inside	--
		Outside	31.18
	Directional	Front	33.82
		Rear	31.18

*Measurements with passenger load and trunk cargo load specified in Car and Body Dimension section

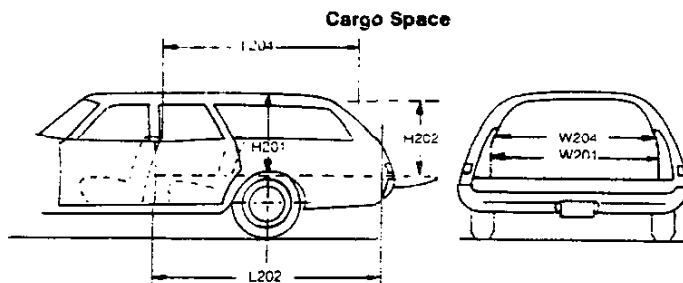
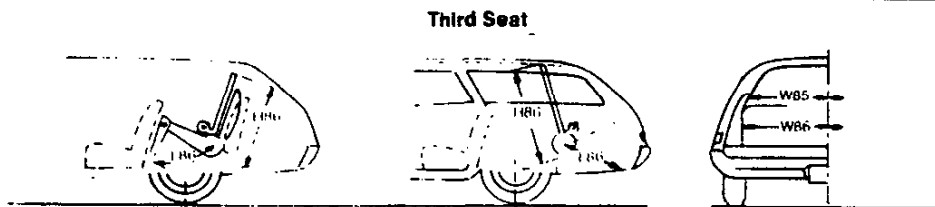
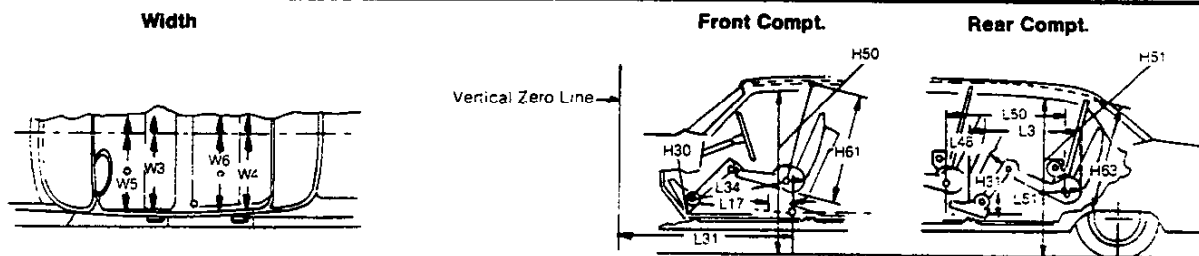
**If single headlamps are used enter here

MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet

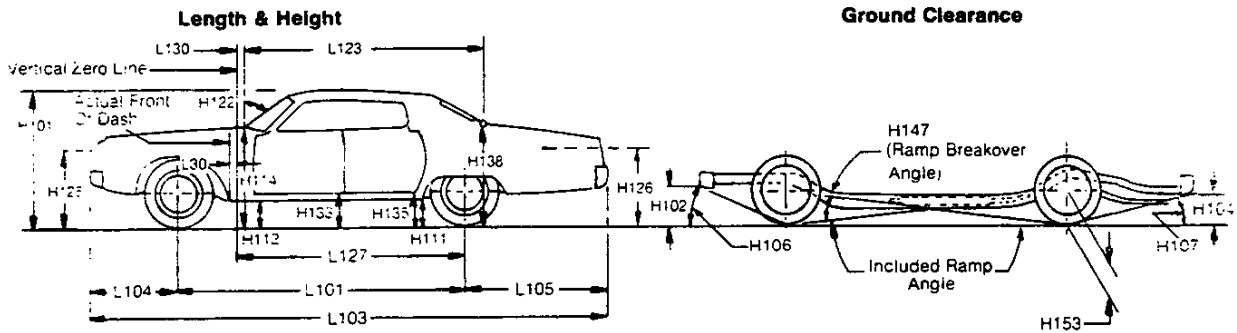
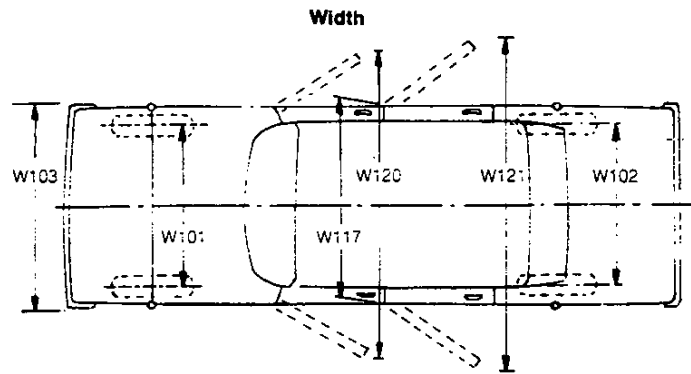


Interior Car And Body Dimensions — Key Sheet

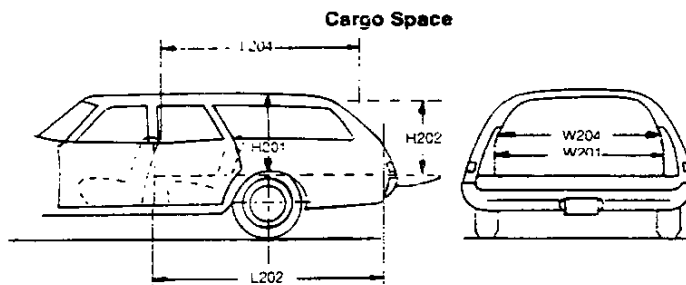
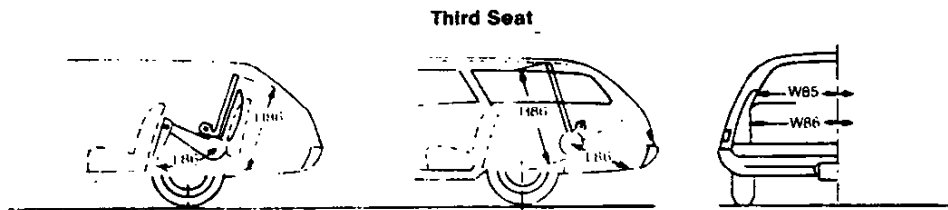
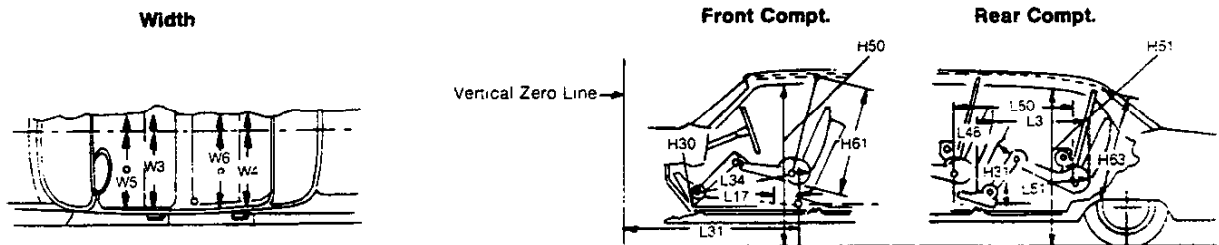


MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet



Interior Car And Body Dimensions — Key Sheet



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.
- 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 treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM — FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W5 HIP ROOM — FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- 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.

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.
- 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 MINIMUM KNEE ROOM — REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- 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 — REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.

- W6 HIP ROOM — REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- 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 SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W86 HIP ROOM — THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- 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.

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.

W4xL204xH201
1728

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.
- 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 treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM — FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W5 HIP ROOM — FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- 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.

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.
- 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.
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- L48 MINIMUM KNEE ROOM — REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- 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.
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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 SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
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Station Wagon — Cargo Space Dimensions

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- 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.

W4xL204xH201
1728