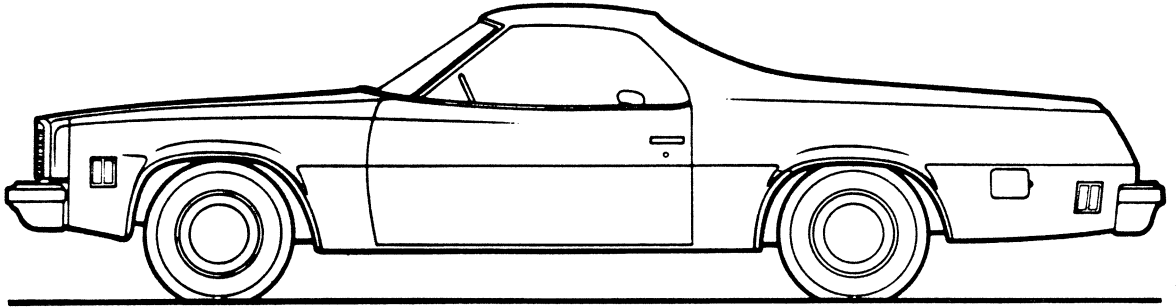


**EL CAMINO MODEL SELECTOR**



<b>MODEL NUMBER</b>	
<b>STANDARD</b>	<b>CLASSIC</b>
1AC80	1AD80

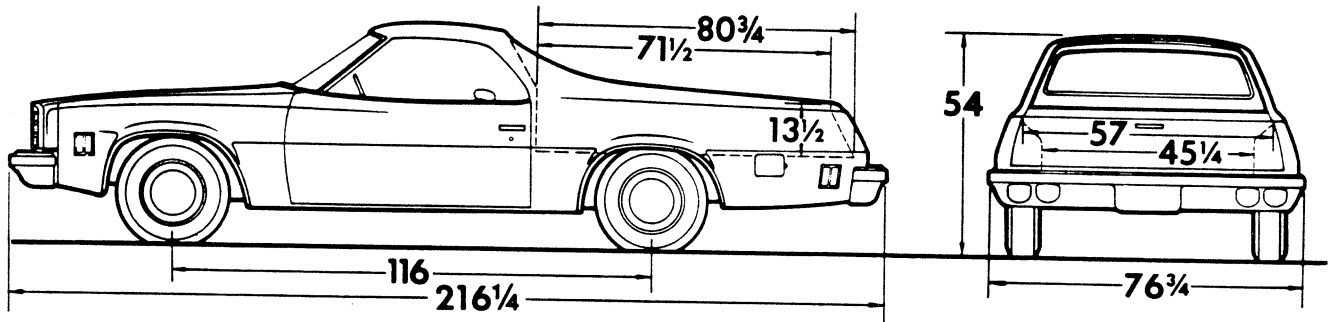
# EL CAMINO

## STANDARD SPECIFICATIONS

(See Blue Tab Section for Specification Details)

<b>Engine</b> <b>Base equip</b> ..... <b>Clutch</b> ..... <b>Air Filter</b> ..... <b>Oil Filter</b> ..... <b>Exhaust System</b> ..... <b>Emission Control Systems</b> .....	350-V8 (2-bbl.) 10"; 101 sq. in. Oiled-paper element Throwaway type 1-qt. Single; aluminized Meets Government Requirements
<b>Suspension, Front</b> ..... <b>Capacity</b> ..... <b>Springs @ ground</b> ..... <b>Shock Absorbers</b> .....	Independent; Coil Spring 2400 lb. 1200 lb. ea. 1" dia.
<b>Suspension, Rear</b> ..... <b>Axle Capacity</b> ..... <b>Axle Ratio</b> ..... <b>Springs @ ground</b> ..... <b>Shock Absorbers</b> .....	Hypoid; Coil Spring 2825 lb. 3.08 1412.5 lb. ea. 1" dia.; air booster type
<b>Brakes</b> <b>Front</b> ..... <b>Rear</b> ..... <b>Parking</b> .....	Hydraulic; Self-adjusting Disc; 11" rotor Drum; 9½" x 2" Cable to Rear Wheels
<b>Electrical</b> ..... <b>Battery</b> ..... <b>Delcotron Generator</b> .....	12-volt; negative ground 2900 watts @ 0°F. 37 amp.
<b>Frame</b> .....	Carbon steel; perimeter type
<b>Fuel Tank (nominal capacity)</b> .....	26 gal.
<b>Steering Gear Type</b> ..... <b>Linkage</b> .....	Recirculating ball Parallelogram
<b>Transmission</b> ..... <b>Shift Location</b> .....	Fully synchronized 3-speed Steering Column
<b>Tires</b> .....	(5) G78-14B(4PR)
<b>Wheels</b> .....	(5) Disc; 14" x 6"

# EL CAMINO



Models	Engine No. Cyl.	Curb Weights (lb)			Model Weights (lb) *			Ground Clearance (In.) *	
		Front	Rear	Total	Front	Rear	Total †	Front	Rear
1AC80	8	2200	1750	3950	2400	2000	4550	5 3/4	7
1AD80	8	2225	1750	3975	2425	2000	4575		

★ Dimensions with std equipment, unloaded.

\* Model Weight includes curb weight plus occupants (standard seating capacity x 150 lbs).

† Total also includes 150 lbs. minimum payload allowance.

## GVW SELECTOR

GVW Rating (lb)	† Maximum Ratings		Minimum Equipment Required for GVW Range		
	▲ GAWR (lb)		Tires, Front	Tires, Rear	Chassis Equipment
	Front	Rear			
5200 to 5750	2400 to 2900	2825 to 2950	G78-14B(4PR)	G78-14B(4PR)	Standard

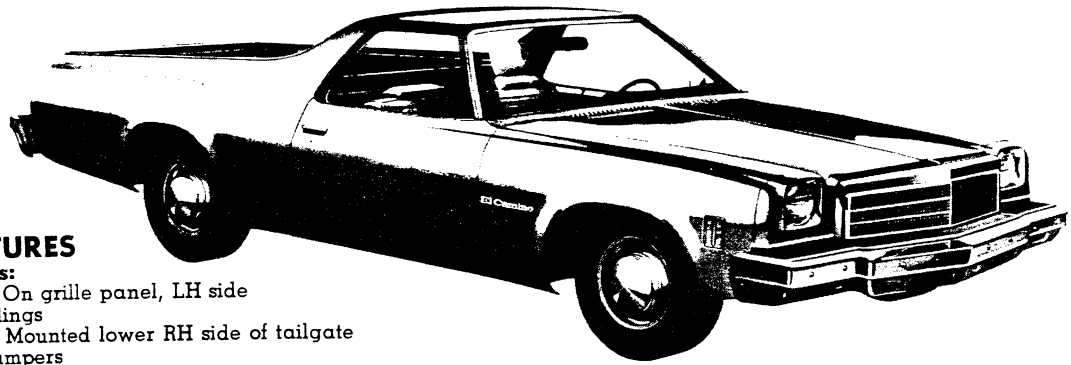
† GAWR's shown are the maximum for each axle. When ordering a truck, the total of the actual weight on both front and rear axles cannot exceed the total GVW rating.

▲ GAWR—Gross Axle Weight Rating

# EL CAMINO

## STANDARD EL CAMINO MODEL

The Standard model includes the following items as standard equipment.

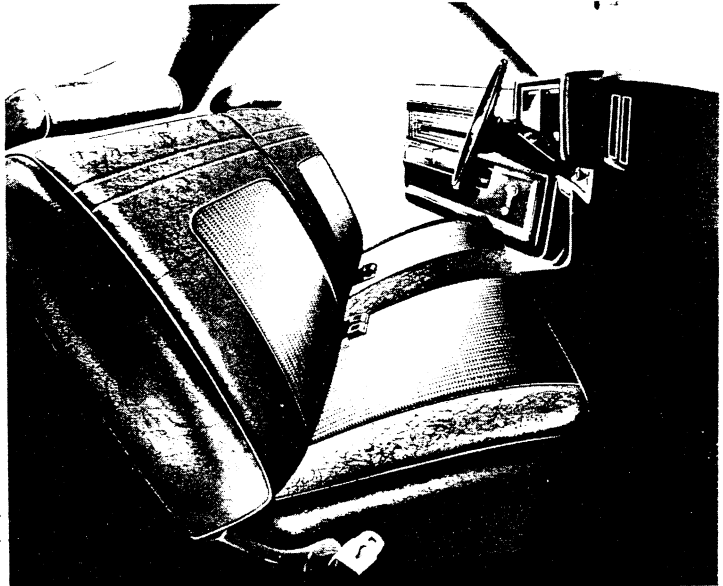


### EXTERIOR FEATURES

- **Bright Appearance Items:**
  - "El Camino" Nameplate: On grille panel, LH side
  - Back window reveal moldings
  - "El Camino" Nameplate: Mounted lower RH side of tailgate
  - Chrome front and rear bumpers
  - Door Lock Handles
  - Door Lock Cylinder Covers
  - "El Camino" Nameplate: Side of front fenders
  - Grille outer edge moldings
  - Head lamp bezel bead
  - Hood molding
  - Hub caps
  - LH side rearview mirror
  - Side door belt moldings
  - Tailgate and pickup box belt moldings
  - Windshield reveal moldings
- **Color:** See Exterior and Interior Color Selection Chart
- **Doors:** RH and LH side doors and tailgate
- **Door Opening and Locking Methods:**
  - Side doors; lift bar latch release with key lock cylinder
  - Tailgate; single handle double latch
- **Glass:** Windshield, side door drop glass in each door and back glass
- **Grille:** Plastic grid; painted argent
- **Lights:**
  - Back-up lights
  - Combination parking/direction. Two front; single lens
  - Combination tail/stop/direction/side marker. Two rear Class A
  - Headlights: Two; Power Beam
  - License plate: single rear
  - Side marker and reflectors: 2 front and 2 rear
- **Mirror:** LH chrome fixed arm with 5" rectangular head
- **Horn:** Single "D" note
- **Side Door Beams:** Steel beam running full width inside each side door
- **Tools:** Mechanical jack; wheel wrench
- **Undercoating:** Partial under body and full under wheel houses
- **Wheels:** Painted body color
- **Windshield Wipers and Washers:** Electric; 2-speed wipers, hideaway wipers and arms

### INTERIOR FEATURES

- **Air Vents:** RH and LH cowl side; individually controlled
- **Arm Rests:** RH and LH full depth
- **Ash Tray**
- **Bright Metal Items**
  - Control knobs with black accents
  - Seat back latch and adjuster knobs
  - Window regulator knobs
- **Carpeting:** Color-keyed
- **Cigarette Lighter**
- **Colors, Interior:**
  - Paint: Same as exterior main color choice
  - Trim: Black
- **Courtesy Light Switches:** Door actuated dome lamp
- **Door Lock:** Inside; pushbutton lock/release
- **Door Seals:** Closed-cell-type rubber
- **Instruments:**
  - Gauges: Speedometer, odometer and fuel
  - Switches: Exterior lights, instrument lights, dome light, wiper-washer, headlight beam (foot), ignition, directional signal with lane change position, hazard warning and heater
  - Warning Lights: Generator, oil pressure, engine temperature, brake warning, direction signals and high beam
- **Instrument Panel:** Fiberglass filled plastic
- **Instrument Panel Knobs:** Marked with function symbols
- **Heater and Defroster:** Deluxe-air
- **Interior Lights:** Instrument and dome operated by main light switch
- **Insulation and Sound Deadening:** Dash (firewall), under floor mat and other strategic points
- **Mirror, Rearview:** Inside 12" wide
- **Seat:** Full width, choice of cloth or textured all-vinyl trim
- **Seat and Shoulder Belts:** 3 sets of seat belts; 2 shoulder belts in outboard positions
- **Steering Wheel:** Black grained plastic with soft rim; brushed chrome insert with "Chevrolet" name
- **Sunshades:** RH and LH padded vinyl
- **Scuff Plate:** Side door opening protection and floor mat retainer



- **Spare Tire Carrier:** Inside behind seat on driver side
- **Steering Lock:** Column mounted combination ignition switch, transmission lock, steering lock and accessory switch
- **Trim Panels:** Vinyl door trim panels with bright trim, vinyl coated cowl side panels and vinyl coated headliner
- **Warning Buzzer:** Ignition key removal warning; activated by opening side door with key in switch
- **Window Regulator Knobs:** Bright metal
- **Windshield Pillar Pads**

# EL CAMINO

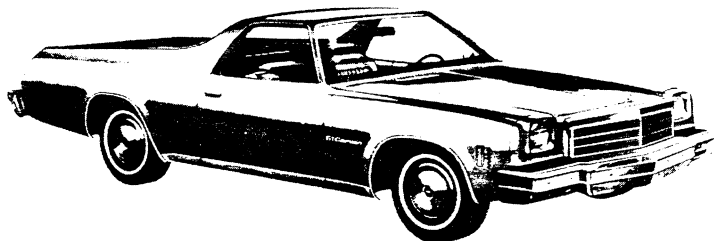
## EL CAMINO CLASSIC MODEL

(The Classic model includes all items listed for the Standard model plus the following additions or substitutions)

### EXTERIOR FEATURES

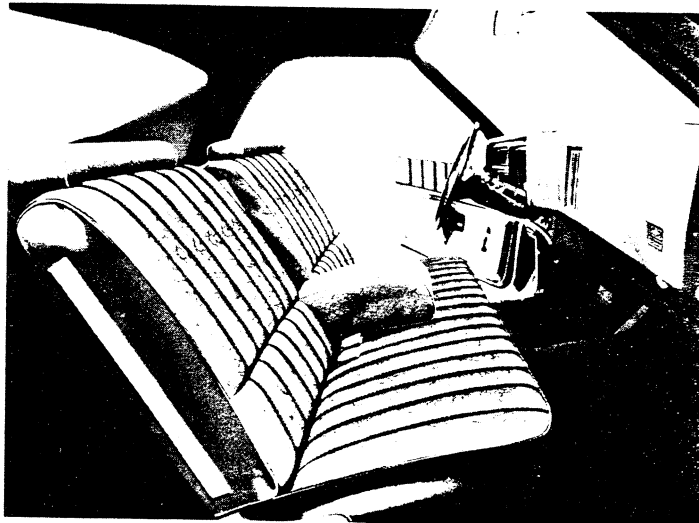
- **Bright Appearance Items:**

- "Classic" nameplate on side of front fenders (below "El Camino" plate)
- Lower body sill moldings
- Wheel opening moldings
- Roof drip moldings
- Header panel ornament



### INTERIOR FEATURES

- **Headliner:** Deluxe vinyl coated
- **Instrument Panel Crown Pad and dull paint finish**
- **Mirror; Rearview:** Black finish on back and support
- **Seat:** Full width with custom vinyl trim; fold-down center arm rest
- **Trim Panels, Door:** Vinyl and cloth



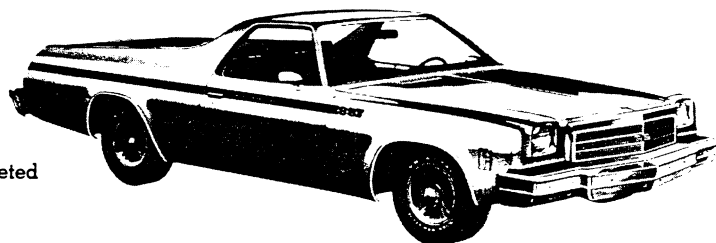
## EL CAMINO CLASSIC WITH SS OPTION—RPO Z15

(This Option includes all items listed for the Classic model plus the following additions, deletions, or substitutions)

### EXTERIOR FEATURES

- **Bright Appearance Items:**

- "SS" emblem on grille
- "El Camino" nameplates on grille and front fender sides (including "Classic") deleted. Lower body sill molding deleted
- **Mirrors:** Body color sport type; LH remote control, RH manual
- **Tires:** G70-14 Bias belted white lettered
- **Stripes:** Upper body side and tailgate (with "SS" emblems on upper rear of front fenders and on tailgate)
- **Turbine I Wheels:** 14" x 7"



### INTERIOR FEATURES

- **Seat:** Full width with special pattern and custom vinyl trim
- **"SS" emblem nameplate:** On instrument panel
- **Trim Panels, Door:** Special vinyl covered pattern



Optional Bucket Seats shown in illustrations

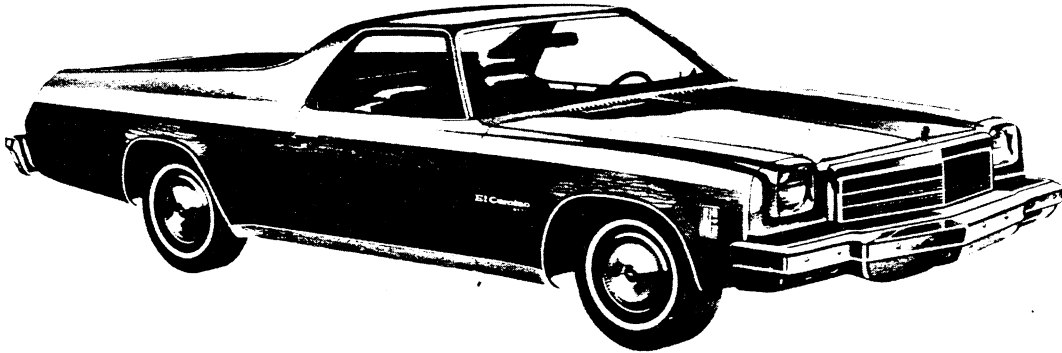
# EL CAMINO

## EL CAMINO CLASSIC WITH ESTATE OPTION—RPO YA2

(This Option includes all items listed for the Classic model plus the following additions or substitutions)

### EXTERIOR FEATURES

- **Bright Appearance Items:**  
Body side and tailgate moldings
- **Woodgrain Panel:** Body sides and tailgate, below moldings



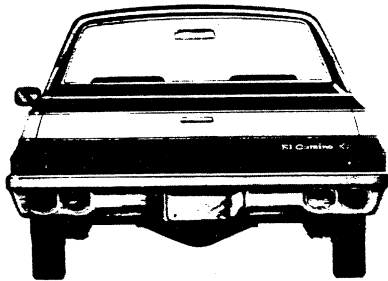
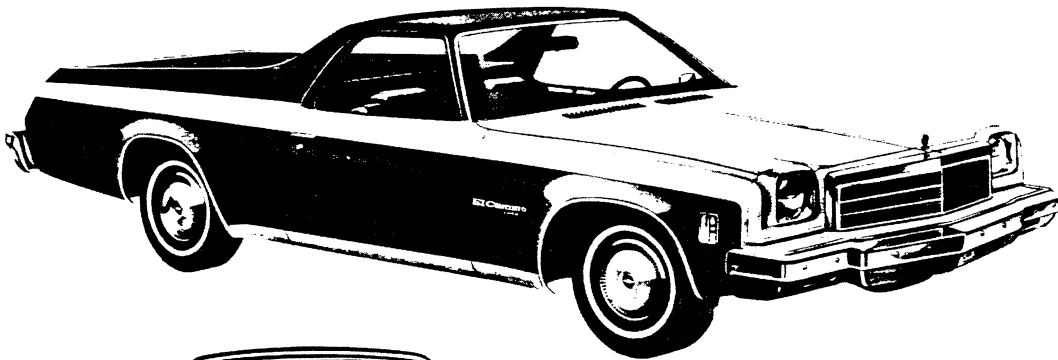
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## EL CAMINO CLASSIC WITH CONQUISTA OPTION—RPO D91

(This Option includes all items listed for the Classic model plus the following additions or substitutions)

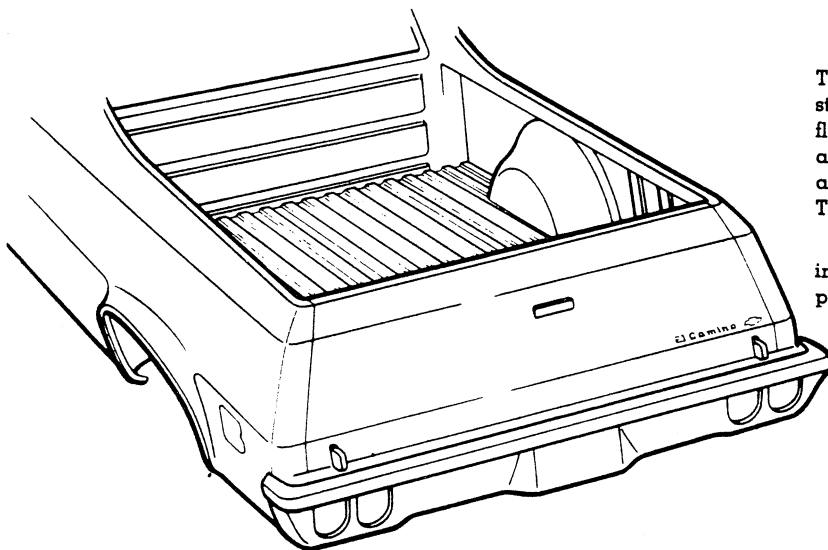
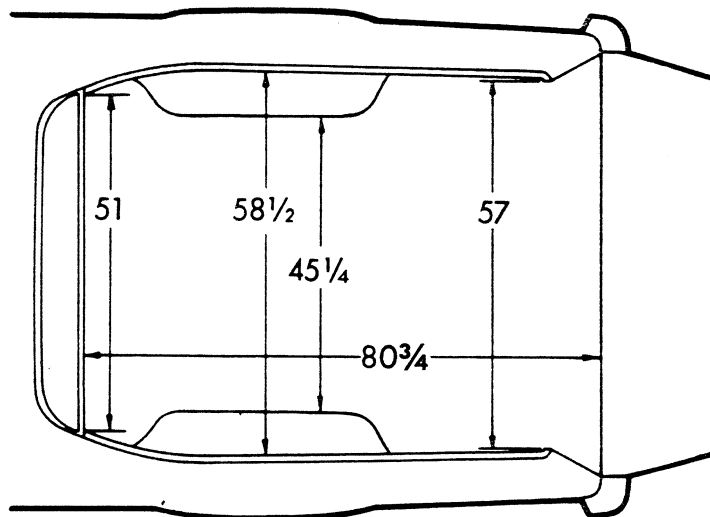
### EXTERIOR FEATURES

- **Bright front fender, bodyside and tailgate moldings**
- **Special two-tone paint**



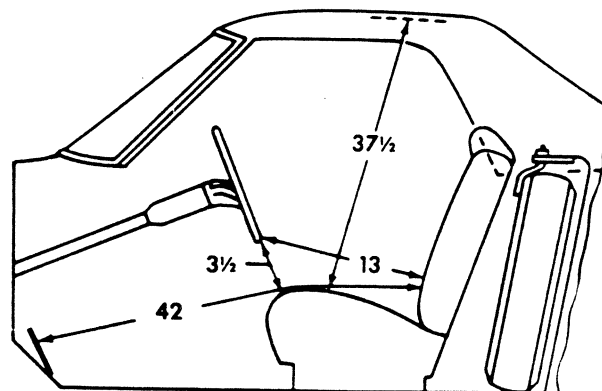
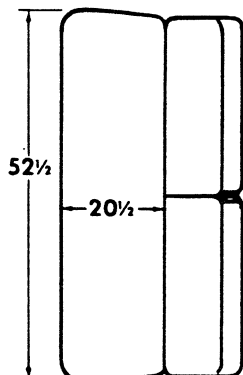
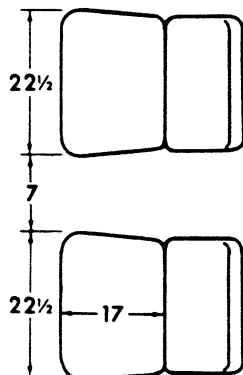
# EL CAMINO

## DIMENSIONS



The El Camino pickup box features double-wall construction on the side panels and a ribbed all-steel floor. The tailgate, featuring easy, one-hand operation, also has double-wall construction and forms a continuation of the ribbed floor when lowered. The pickup box has a capacity of 38 cubic feet.

All El Camino models have a bright metal molding at the top of the box and tailgate to prevent paint chipping when loading or unloading.



# EL CAMINO INTERIOR AND EXTERIOR SELECTION CHART

**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 solid color exterior and interior trim 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 or two-tone paint, as combinations shown are the only combinations that have been approved.

VINYL ROOF	CODE	SOLID EXTERIOR COLOR AVAILABILITY
Black	BB	All Exterior Colors.
Blue (Medium)	DD	24, 26, 29 or 11 Exterior Colors only.
Brown	FF	50, 59, 64, 69 or 11 Exterior Colors only.
Cream-Beige	EE	50, 19, 59, 55, 69 or 11 Exterior Colors only.
Green (Medium)	GG	44, 46, 49 or 11 Exterior Colors only.
Red (Dark)	HH	19, 74, 64 or 11 Exterior Colors only.
Russet	LL	66 or 11 Exterior Colors only.
Saddle (Medium)	RR	50, 19, 66, 59, 49, 69 or 11 Exterior Colors only.
Silver Taupe	WW	19, 64 or 69 Exterior Colors only.
White	AA	All Exterior Colors.

Seat Color		Black				Blue (Mid-night)	Green (Med.)		Neutral (Light)		Saddle (Med.)	White		
		Black				Blue	Black	Green	Green	Neutral	Saddle	Black	Blue	
Door and Headliner Color		Black				Blue	Black	Green	Green	Dark Neutral	Saddle	Black	Blue	
Instrument Panel Pad Color		Black				Blue	Black	Green	Green	Dark Neutral	Saddle	Black	Blue	
Carpet Color		Black	Blue	Red	Russet	Blue	Black	Green	Green	Dark Neutral	Saddle	Black	Blue	
Model	Seat Type													
EL CAMINO	Cloth Bench	CBB1	CBE1	CBR1	CBU1			CGG1						
	Vinyl Bench	VBB1		VBR1	VBU1	VDD1	VGB1	VGG1	VNG1	VNN1				
	Vinyl Bucket	VBB2		VBR2	VBU2				VNG2	VNN2				
EL CAMINO CLASSIC <i>Also See Conquista Color Selection Chart</i>	Cloth Bench	CBB1		CBR1		CDD1		CGG1		CNN1				
	Vinyl Bench	VBB1		VBR1				VGG1		VNN1	VSS1	VWB1	VWD1	
	Cloth Bucket	CBB2		CBR2										
	Vinyl Bucket	VBB2		VBR2				VGG2		VNN2	VSS2	VWB2	VWD2	
EXTERIOR COLOR PAINT	COLOR CODE													
	Lower	Upper												
		Solid	Two-Tone											
Beige, Cream	50	50	—	X					X	X	X	X	X	X
Black	19	19	—	X	X	X	X	X	X	X	X	X	X	X
Blue, Aqua (Metallic)	36	36	11	X										X
Blue, Bright (Metallic)	26	26	—	X	X				X					X
Blue, Light (Metallic)	24	24	11	X	X				X					X
Blue, Midnight (Metallic)	29	29	11	X	X				X			X		X
Bronze (Metallic)	66	66	11	X			X					X	X	X
Brown, Golden (Metallic)	59	59	—	X								X	X	X
Green, Bright (Metallic)	46	46	—	X					X	X	X	X		X
Green, Medium	44	44	11	X					X	X	X	X		X
Green, Dark (Metallic)	49	49	11	X					X	X	X	X	X	X
Red, Medium (Metallic)	74	74	11	X		X						X	X	X
Sandstone	55	55	11	X								X		X
Silver (Metallic)	64	64	—	X	X	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	X	X



# 1974 EL CAMINO CONQUISTA INTERIOR-EXTERIOR COLOR COMBINATIONS

Seat Color				Black		Blue (Mid-night)	Green (Med.)	Neutral (Light)	Saddle (Med.)	White		
Floor Covering				Black	Red	Blue	Green	Dark Neutral	Saddle	Black	Blue	
EL CAMINO CLASSIC		Cloth Bench		CBB1	CBR1	CDD1	CGG1	CNN1				
		Vinyl Bench		VBB1	VBR1		VGG1	VNN1	VSS1	VWB1	VWD1	
		Cloth Bucket		CBB2	CBR2							
		Vinyl Bucket		VBB2	VBR2		VGG2	VNN2	VSS2	VWB2	VWD2	
Hood and Center Body (a)	Lower Code	Roof and Lower Body (b)	Upper Code									
Beige, Cream	50	Sandstone	55	X				X		X		
Blue, Bright (Metallic)	26	Blue, Midnight (Metallic)	29	X		X		X		X	X	
Blue, Light (Metallic)	24	Blue, Midnight (Metallic)	29	X		X		X		X	X	
Brown, Golden (Metallic)	59	Taupe, Dark (Metallic)	69	X				X	X	X		
Silver (Metallic)	64	Taupe, Dark (Metallic)	69	X				X	X	X		
Green, Bright (Metallic)	46	Green, Dark (Metallic)	49	X			X	X		X		
White	11	Beige, Cream	50	X			X	X	X	X		
White	11	Black	19	X		X	X	X	X	X	X	
White	11	Blue, Aqua (Metallic)	36	X						X		
White	11	Blue, Bright (Metallic)	26	X		X				X		
White	11	Blue, Light (Metallic)	24	X		X				X	X	
White	11	Blue, Midnight (Metallic)	29	X		X		X		X	X	
White	11	Bronze (Metallic)	66	X				X	X	X		
White	11	Brown, Golden (Metallic)	59	X				X	X	X		
White	11	Green, Bright (Metallic)	46	X			X	X		X		
White	11	Green, Medium	44	X			X	X		X		
White	11	Green, Dark (Metallic)	49	X		X		X	X	X		
White	11	Red, Medium (Metallic)	74	X	X			X	X	X		
White	11	Sandstone	55	X				X		X		
White	11	Silver (Metallic)	64	X	X			X	X	X		
White	11	Taupe, Dark (Metallic)	69	X				X	X	X		

(a) Hood and center body color code should be inserted on dealer order form in space identified as LOWER.

(b) Roof and lower body color code should be inserted on dealer order form in space identified as UPPER.

# EL CAMINO POWER TEAMS

## Engine, Transmission and Rear Axle Combinations (Engine horsepower ratings are reflected at "net" horsepower)

ENGINES		TRANSMISSIONS	SHIFT LEVER LOCATION		REAR AXLE RATIOS★		
Option Number and Model Application	Description	Type (Std or Optional)	Without Console	With Optional Console	Std	Optional	
						Perf	Trailer

### STANDARD ENGINE

● Standard Eight-Cylinder Engine Ordering Code L65	<b>Turbo-Fire 350-2/SE 8-Cylinder</b> 350-cu-in displacement 2-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	<b>3-Speed (Std)—M15</b>	Column	Not Available	3.08	—	—
		<b>Turbo Hydra-matic —M40</b>	Column	In Console w/Floor Shift	2.73	3.42	3.42

### OPTIONAL ENGINES

■ Option LM1 Available only when California Emission Certification is ordered	<b>Turbo-Fire 350-4/SE 8-Cylinder</b> 350-cu-in displacement 4-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	<b>3-Speed (Std)—M15</b>	Column	Not Available	3.08	—	—
		<b>Turbo Hydra-matic —M40</b>	Column	In Console w/Floor Shift	2.73	—	3.42
● Option LF6	<b>Turbo-Fire 400-2/SE 8-Cylinder</b> 400-cu-in displacement 2-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	<b>Turbo Hydra-matic —M40</b>	Column	In Console w/Floor Shift	2.73	—	3.42
■ Option LT4 Available only when California Emission Certification is ordered	<b>Turbo-Fire 400-4/SE 8-Cylinder</b> 400-cu-in displacement 4-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	<b>Turbo Hydra-matic —M40</b>	Column	In Console w/Floor Shift	2.73	—	3.42
■ Option LS4	<b>Turbo-Jet 454-4/DE 8-Cylinder</b> 454-cu-in displacement 4-barrel carburetor 8.25:1 compression ratio Hydraulic valve lifters Dual exhausts	<b>Turbo Hydra-matic —M40</b>	Column	In Console w/Floor Shift	2.73	—	3.42
		<b>4-Speed Close-Ratio—M21</b> (With special suspension or radial tires only)	Floor With Boot	In Console w/Floor Shift	3.42	—	—

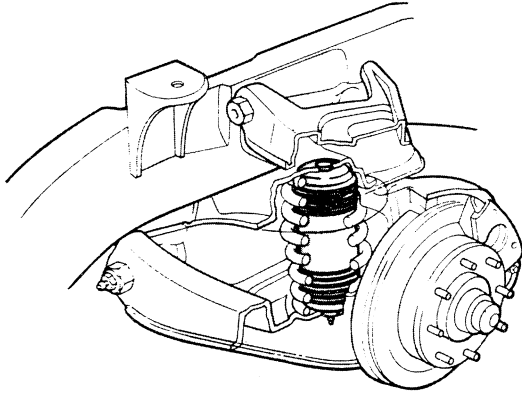
★ All ratios available as Positraction.

■ Available for registration in the State of California when California Emission Certification is ordered.

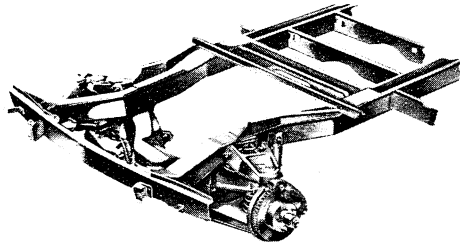
● Not available for registration in the State of California.

# FRONT SUSPENSIONS

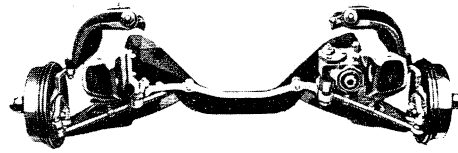
## INDEPENDENT FRONT SUSPENSION



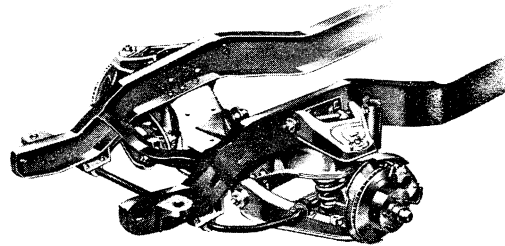
P31832



G10-30 Series



El Camino



C10-30; P10-30 Series

The independent front axle suspension uses stamped steel control arms, coil springs, forged steel steering knuckles, forged steel control arm shafts, a stamped steel cross-member, and ball joint pivot points.

## FRONT COIL SPRINGS

CAPACITY		MODEL SERIES AVAILABILITY		SPECIFICATIONS		
lbs. each @ Ground	lbs. each @ Pad	Standard	Optional	Deflection Rate	Wire Diameter	Outside Diameter
688	NA	Vega Panel Express	—	400	.581	4.66
1162.5	NA	El Camino	—	NA	NA	NA
1310	1180	G10 (05)	—	675	.723/.742	5.37
1550	1405	C10 Blazer	—	800	.779	5.30
1550	1400	C10 (03, 06)	—	675	.742	5.22
1550	1415	G10 (06)	G10 (05)	800	.776	5.37
1550	1400	P10	—	800	.776	5.37
1600	1445	G21306	—	930	.808	5.37
1600	NA	G20 (05), G21006	—	800	.776	5.37
1625	1470	—	C10 (03,06)	800	.779	5.30
1625	1470	—	*C10 (03,06)	930	.813	5.37
1625	NA	—	*C10 (06)	800	.780	5.37
1625	NA	—	C10 Blazer	930	.808	5.37
1700	1575	G30	—	930	.808	5.37
1750	1575	C20-30 (03)	—	800	.779	5.30
1750	1575	—	C30 (03)	930	.742	5.37
1750	1575	—	C20-30 (03)	930	.808	5.37
1800	NA	P20	—	1120	.858	5.46
1900	1470	—	C20 (03, 06)	800	.779	5.30
1900	1710	C20 (06)	*C20 (03)	930	.976	5.23
1900	1713	C20 (63)	*C20 (06), C30 (03)	1060	.845	5.43
1900	NA	C30 (63)	*C30 (03)	1120	.858	5.46
1900	1705	—	*C30 (03)	930	.808	5.37
1900	1710	—	*C20-30 (03)	1230	.826	5.37
1900	1710	—	*C30 (03)	1230	.840	5.37
1950	1815	—	G30 (05, 06)	1230	.840	5.37
2200	NA	P30 (42) (1) P30832 (1) P31132 (1) P31432 (1)	—	1350	.890	5.42

## FRONT COIL/AIR SPRINGS (Combination Coil with Auxiliary Air Spring)

2500	NA	P31832 (2)	P30832 P31132 P31432 (2)	NA	NA	NA
------	----	------------	--------------------------------	----	----	----

\*Larger springs, although rated similar lbs. each @ Ground, are selected in accordance with optional Power Team weight requirements on a particular model.

(1) Up to 14,000-lb GVWR (2) 14,000-lb GVWR

# REAR AXLES

## VEGA PANEL EXPRESS AND EL CAMINO REAR AXLE

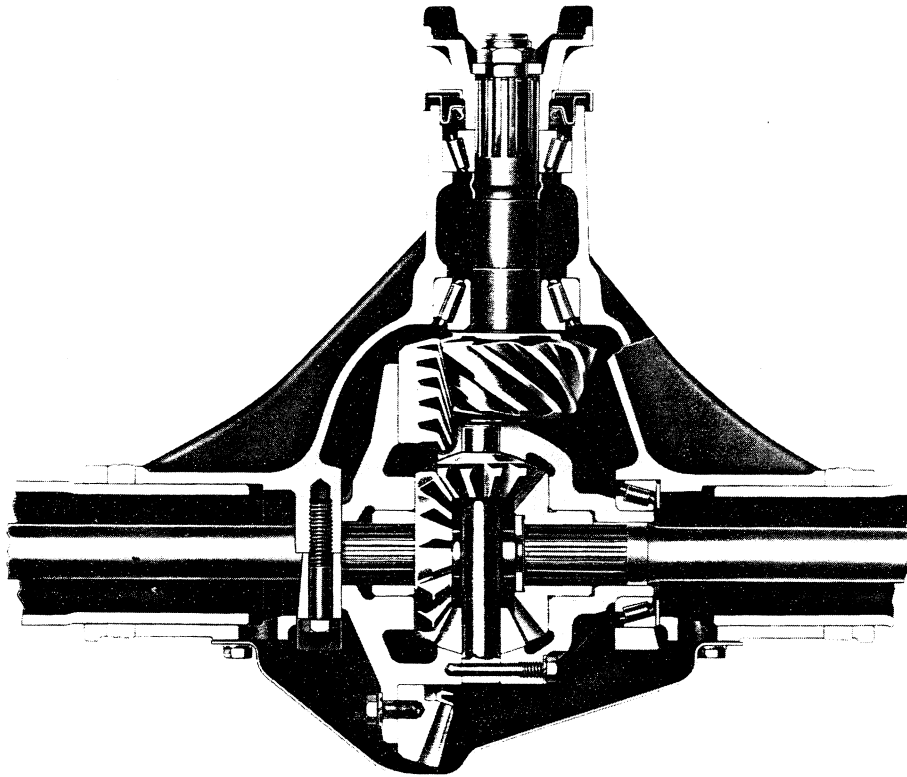


Illustration shows typical 2700 lbs capacity El Camino rear axle.

Vega Panel Express and El Camino models offer, as standard, a Salisbury-type rear axle. Hypoid gearing is used for quiet, durable differential operations.

Positraction is also available with all ratios as an option at extra cost.

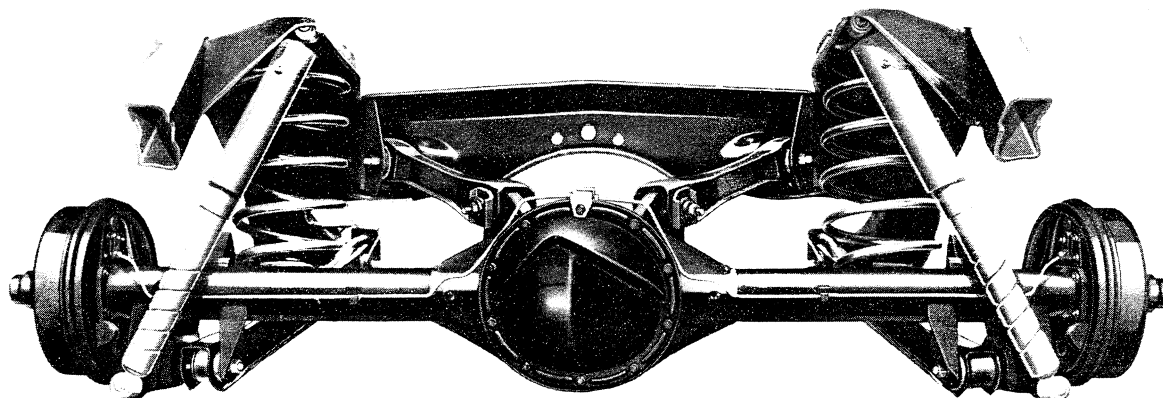
### Specifications

*For application and availability see Power Teams chart under Vega Panel Express or El Camino tabs.*

<b>Capacity</b> .....	1885 lbs		2700 lbs		
<b>Make</b> .....	Chevrolet				
<b>Pinion &amp; Ring Gears:</b>	Hypoid				
Type .....	Hypoid				
Ratios .....	2.92	3.36	2.73	3.08	3.42
Pinion, teeth .....	13	11	15	12	12
Ring gear, teeth .....	38	37	41	37	41
Ring gear pitch dia. (in) .....	6.50		8.50		
<b>Differential:</b>	Two-Pinion				
Type .....	Two-Pinion				
<b>Axle Shaft:</b>	Integral Shaft and Drive Flange				
Type .....	Integral Shaft and Drive Flange				
<b>Housing: @ spring seat</b>	2.8 x .20		3.0 x .22		
Section diameter and thickness (in)	2.8 x .20		3.0 x .22		

# REAR SUSPENSION

## VEGA PANEL EXPRESS AND EL CAMINO MODELS



The 4-link rear suspension design of the El Camino models provides excellent ride and load-carrying characteristics. Two stamped channel-section lower control arms extend from brackets at each end of the axle housing to brackets at the start of the frame rail kick-up. Each control arm end pivots in compressed rubber bushings. Shorter stamped channel-section upper control arms mount on brackets attached to the differential housing and extend diagonally outward to brackets on the intermediate Z-shaped frame crossmember to restrict lateral axle movement

relative to the frame. Coil springs are positioned directly over the axle housing. Hydraulic direct double-acting air-booster-type shock absorbers are mounted diagonally behind the coil springs. The 4-link rear suspension of the Vega Panel Express is similar to the El Camino having lower control arms with parallel geometry and upper control arms diagonally attached to the axle tubes and to integral body brackets. Coil springs are slightly to the rear of axle center. Hydraulic direct double acting shock absorbers are mounted diagonally behind the coil springs.

### REAR COIL SPRINGS

CAPACITY		Model Series Availability		SPECIFICATIONS		
lbs each @ Ground	lbs each @ Pad	Standard	Optional	Deflection Rate (lb in)	Wire Diameter (in)	Outside Diameter (in)
<b>SINGLE STAGE COILS</b>				<b>Single Stage</b>		
943	—	Vega Panel Express	—	155	.508	5.250
1400	930	El Camino	—	115	.549	7.098
1462.5	955	—	El Camino	140	.140	7.140

# SUSPENSION SHOCK ABSORBERS

## SHOCK ABSORBERS

(Hydraulic Direct-Double Acting)

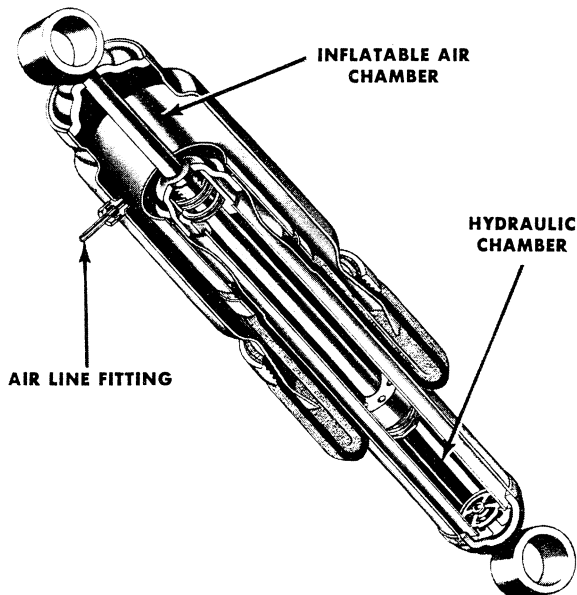
Model Series Availability		Location	Type	Piston Diameter (in)	Piston Travel (in)
Standard	Optional				
Vega	—	Front & Rear	Direct	1.00	NA
El Camino	—	Front		1.00	4.73
El Camino	—	Rear	Air-booster	1.00	7.79
C/P10-30	—	Front	Direct	1.00(1)	5.29
C/P10	—	Rear		1.00	9.29(a)
C20; P20-30	—	Rear		1.00(1)	9.54(b)
C30	—	Rear		1.38	(c)
K10-20	—	Front		1.00	6.79
K10-20	—	Rear		1.00	9.29
G10-30	—	Front		1.00	5.04
G10-30	—	Rear		1.00	8.28
—	C/P10-30	Front		1.38	5.13
—	C/P10	Rear		1.38	9.13
—	C/P20;P30	Rear		1.38	(c)
—	K10-20	Rear		1.38	9.13
—	G10-30	Front		1.38	4.88
—	G10-30	Rear		1.38	8.13

(a) 7.04 for P10

(b) 9.04 for P10 & 9.29 for P30

(c) 9.13 for C20 (03, 06) and P20; 9.38 for C20 (63), C30 and P30

(1) P31832 uses 1 1/8-inch diameter shock absorbers as base equipment

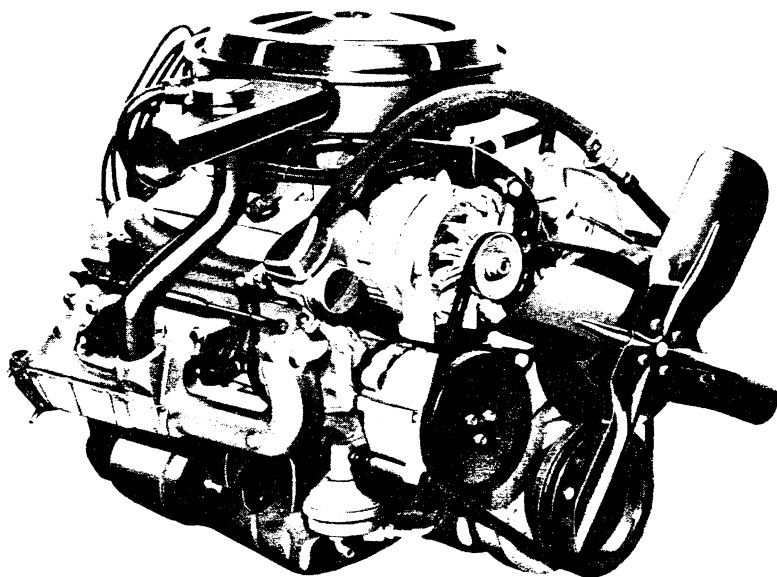


### El Camino Rear Shock Absorbers Std Equipment Air-Booster Type

El Camino load capacity is totally realized when the standard equipment air-booster rear shock absorbers are fully inflated. Encircled by inflatable air chambers, these shock absorbers can be adjusted by varying the air pressure to meet different road and load conditions. Air pressure is varied through a tire-type air valve mounted behind the rear license plate. From the air valve, air feed lines of durable nylon connect to each shock through a tee fitting which also serves as a balance line to equalize the pressure in each shock absorber chamber. The air chamber is independent of the internal shock mechanism, which assures normal control in event of accidental air pressure loss.

# TURBO-FIRE 350-2/SE V8

(Ordering Code L65)



Typical Engine Shown

## Applications

Standard: El Camino  
Optional: None

## Basic Specifications

Engine type . . . . . Valve-in-head  
Piston displacement . . . . . 350 cu in  
Bore & stroke (nominal) . . . . . 4.00" x 3.48"  
Compression ratio . . . . . 8.5:1  
Carburetor type . . . . . 2-barrel  
Exhaust . . . . . Single

## Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F) . . . . . 145 @ 3800 rpm  
SAE net torque, lb-ft (85°F) . . . . . 250 @ 2200 rpm

# TURBO-FIRE 350-4/SE V8

(Ordering Code LM1)

## Applications

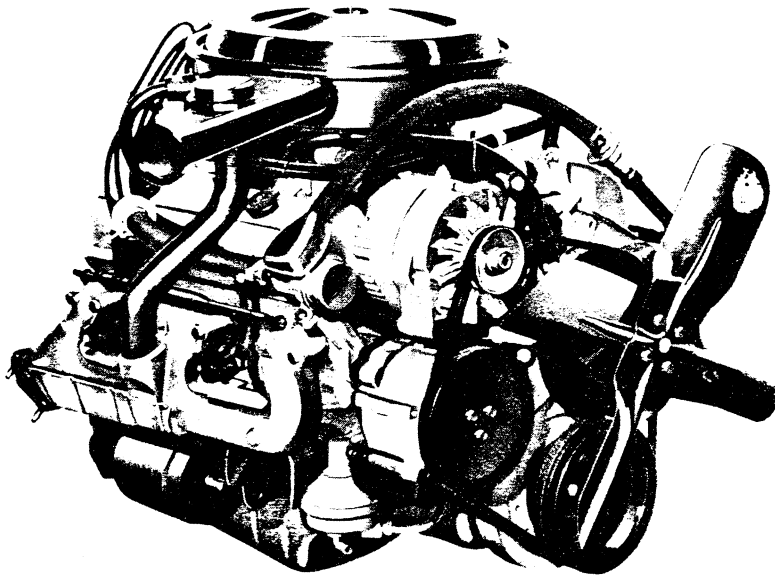
Standard: None  
Optional: El Camino

## Basic Specifications

Engine type..... Valve-in-head  
Piston displacement..... 350 cu in  
Bore & stroke (nominal)..... 4.00" x 3.48"  
Compression ratio..... 8.5:1  
Carburetor type..... 4-barrel  
Exhaust..... Single

## Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.



Typical Engine Shown

SAE net horsepower (85°F)..... 160 @ 3800 rpm  
SAE net torque, lb-ft (85°F)..... 245 @ 2400 rpm



# 350 V8 ENGINES

## SPECIFICATIONS

	Turbo-Fire		High Torque	
	350-2/SE (El Camino)	350-4/SE (El Camino)	350-2/SE Series 10	350-4/SE Series 10-30
<b>Basic Description</b>	V8; valve in head			
Displacement (cu in)	350			
Bore & Stroke (in)	4.0 x 3.48			
Compression Ratio	8.5:1			
Firing Order	1-8-4-3-6-5-7-2			
SAE Net Horsepower @ rpm	145 @ 3800	160 @ 3800	145 @ 3800	160 @ 3800
SAE Net Torque (lb-ft) @ rpm	250 @ 2200	245 @ 2400	250 @ 2200	255 @ 2400
<b>Air Cleaner</b>	See model pages for type			
<b>Camshaft</b>	Steel-backed babbitt			
Bearings	Steel-backed babbitt			
Valve Timing (in crankshaft degrees)	28° BTC			
Intake Valve	72° ABC			
(excluding ramps) Opens	78° BBC			
(excluding ramps) Closes	30° ATC			
Exhaust Valve	280°			
(excluding ramps) Opens	288°			
(excluding ramps) Closes				
Intake Duration w/o Ramp				
Exhaust Duration w/o Ramp				
<b>Carburetor</b>	Automatic			
Type	2-barrel	4-barrel	2-barrel	4-barrel
Make	Rochester			
Venturi ID (in)	1.09			
Throttle Bore (in)	1.69	Pri.-1.38; Sec.-2.25	1.69	Pri.-1.38; Sec.-2.25
Choke Control	Automatic			
<b>Connecting Rods</b>	Closed positive			
Material	Drop-forged Steel			
Length (in)	5.695-5.705			
Bearings	Premium aluminum			
<b>Crankcase Ventilation</b>	Closed positive			
<b>Crankshaft</b>	Cast nodular iron			
Material	Cast nodular iron			
Number of Counterweights	6			
Main Journal dia (in)	2.45			
Crankpin Journal dia (in)	2.10			
Torsional Damper	Inertia; rubber mounted			
Bearings	Upper—Micro-babbitt or copper lead; Lower—premium aluminum			
<b>Distributor</b>	Delco-Remy; centrifugal & vacuum advance			
<b>Fuel Filter</b>	Plastic strainer			
Carburetor	Plastic strainer			
Fuel Tank	Plastic strainer			
<b>Lubrication System</b>	Controlled full pressure			
Main Bearings	Direct pressure			
Camshaft Bearings	Direct pressure			
Timing Gear	Centrifugally sprayed			
Connecting Rods	Direct pressure			
Valve Mechanism	Pressure & gravity			
Cylinder Walls	Cross sprayed throw-off from rod bearing			
Piston Pins	Cross sprayed throw-off from rod bearing			
<b>Oil Capacity (qts)</b>				
With filter change	4.5		5	
W/o filter change	4		4	

# 350 V8 ENGINES

## SPECIFICATIONS

	Turbo-Fire		High Torque	
	350-2/SE (El Camino)	350-4/SE (El Camino)	350-2/SE Series 10	350-4/SE Series 10-30
<b>Oil Filter</b>	Throwaway		Throwaway	
Capacity (qts)	1/2		1	
<b>Oil Pump</b>	Spur gear; distributor shaft driven			
Type	Spur gear; distributor shaft driven			
Capacity (gpm)	4.3 @ 2000 rpm			
Normal Pressure (psi)	40 @ 2000 rpm			
<b>Pistons</b>	Cast aluminum alloy			
Material	Cast aluminum alloy			
Skirt	Slipper		Closed	
Head	Sump; chamfered top land			
<b>Piston Pins</b>	Rod shrink fit to pin			
Type	Rod shrink fit to pin			
Material	Chromium steel			
<b>Piston Rings</b>	Cast iron alloy			
Compression Rings	Cast iron alloy			
Number	2			
Type	Upper—barrel; lower—inside bevel			
Material	Cast iron alloy			
Oil Control Ring	Steel			
Number	1			
Type	Multi-piece			
Material	Steel			
<b>Thermostat</b>	Harrison; 195°			
<b>Valve Train</b>	Individually mounted rocker arms, push rod actuated			
Type	Individually mounted rocker arms, push rod actuated			
Lifters	Hydraulic			
Rocker Arm Ratio	1.50:1			
Valve Guides	Integral with cylinder head			
Valve Lash	Zero			
Intake Valves	Alloy steel			
Material	Alloy steel			
Diameter (in.)	1.94		1.94	1.72
Face Coatings	None			
Seats	Machined in cylinder head			
Exhaust Valves	High alloy steel	Stellite	High alloy steel	
Material	High alloy steel	Stellite	High alloy steel	
Diameter (in.)	1.50			
Face Coating	Aluminized	None	Aluminum	Stellite
Seats	Machined in cyl. head; induction hardened			
Rotators (exhaust)	Yes (light duty emission)			
<b>Water Pump</b>	Centrifugal			
Type	Centrifugal			
Capacity (gpm)	25 @ 2000 rpm			

# TURBO-FIRE 400-2/SE V8

(Ordering Code LF6)

## Applications

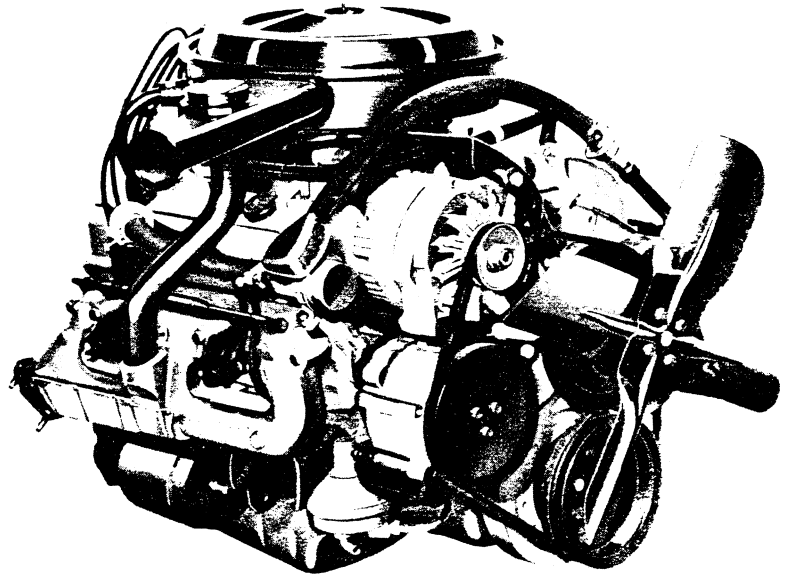
Standard: None  
Optional: El Camino

## Basic Specifications

Engine type ..... Valve-in-head  
Piston displacement ..... 400 cu in  
Bore & stroke (nominal) ..... 4.126" x 3.76"  
Compression ratio ..... 8.5:1  
Carburetor type ..... 2-barrel  
Exhaust ..... Single

## Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

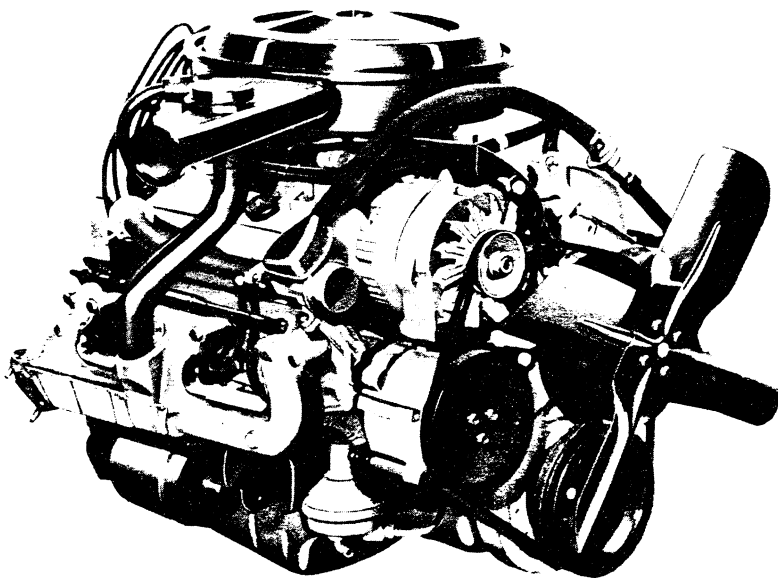


Typical Engine Shown

SAE net horsepower (85°F) ..... 150 @ 3200 rpm  
SAE net torque, lb-ft (85°F) ..... 290 @ 2000 rpm

# TURBO-FIRE 400-4/SE V8

(Ordering Code LT4)



**Typical Engine Shown**

## Applications

Standard: None  
Optional: El Camino

## Basic Specifications

Engine type ..... Valve-in-head  
Piston displacement ..... 400 cu in  
Bore & stroke (nominal) ..... 4.126" x 3.76"  
Compression ratio ..... 8.5:1  
Carburetor type ..... 4-barrel  
Exhaust ..... Single

## Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F) ..... 180 @ 3800 rpm  
SAE net torque, lb-ft (85°F) ..... 290 @ 2400 rpm

## SPECIFICATIONS

	<b>TURBO-FIRE</b>	
	400-2/SE	400-4/SE
<b>Basic Description</b>	V8; valve-in-head	
Displacement (cu in)	400	
Bore & Stroke (in)	4.126 x 3.76	
Compression Ratio	8.5:1	
Firing Order	1-8-4-3-6-5-7-2	
SAE Net Horsepower @ rpm	150 @ 3200	180 @ 3800
SAE Net Torque (lb-ft) @ rpm	290 @ 2000	290 @ 2400
<b>Air Cleaner</b>	Thermostatically controlled; oil wetted paper element	
<b>Camshaft</b>	Steel-backed babbitt	
Bearings	30° BTC	
Intake Valve	Opens	70° ABC
	Closes	77° BBC
Exhaust Valve	Opens	61° ATC
	Closes	280°
Intake Duration w/o Ramp	318°	
Exhaust Duration w/o Ramp		
<b>Carburetor</b>	Automatic	
Type	2-Barrel	4-Barrel
Make	Rochester	Rochester Quadrajets
Venturi ID (in)	1.09	
Throttle Bore (in)	1.69	1.38 Primary; 2.25 Secondary
Choke Control		
<b>Connecting Rods</b>	Closed positive	
Material	Drop forged steel	
Length (in)	6.130-6.140	
Bearings	Premium aluminum	
<b>Crankcase Ventilation</b>		
<b>Crankshaft</b>	Cast nodular iron	
Material	6	
Number of Counterweights	2.75 (Nominal)	
Main Journals (in)	2.199-2.20	
Crankpin Journals	Inertia; rubber mounted	
Torsional Damper	Steel with Premium aluminum or copper-lead insert	
Bearings		
<b>Distributor</b>	Delco-Remy; centrifugal & vacuum advance	
<b>Fuel Filter</b>	Pleated fiber element	
Carburetor	Mesh strainer	
Fuel Tank		
<b>Lubrication System</b>	Controlled full pressure	
Main Bearings	Direct pressure	
Camshaft Bearings	Direct pressure	
Timing Gear	Centrifugally sprayed	
Connecting Rods	Direct pressure	
Valve Mechanism	Pressure & gravity	
Cylinder Walls	Cross sprayed by pressurized jets	
Piston Pins	Splash	

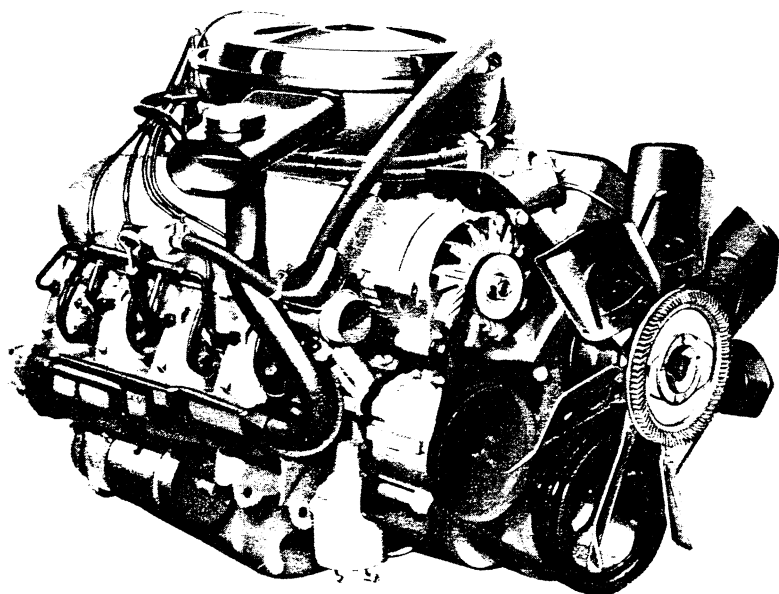
# 400 V8 ENGINES

## SPECIFICATIONS

	TURBO-FIRE	
	400-2/SE	400-4/SE
<b>Oil Capacity</b>		
With filter change		4½
W/o filter change		4
<b>Oil Filter</b>		
Standard		Full flow; throwaway type
Capacity (qts)		½
<b>Oil Pump</b>		
Type		Spur gear; distributor shaft driven
Normal Pressure (psi)		40 @ 2000 rpm
<b>Pistons</b>		
Material		Cast aluminum alloy
Skirt		Slipper
Head		Domed
<b>Piston Pins</b>		
Type		Rod shrink fit to pin
Material		Chromium steel
<b>Piston Rings</b>		
Compression Rings		
Number		2
Type		Upper—barrel face; lower—taper face
Material		Cast alloy iron
Oil Control Rings		
Number		1
Type		Multi-piece
Material		Steel
<b>Thermostat</b>		Harrison; 195°
<b>Valve Train</b>		
Type		Individually mounted rocker arms, push rod actuated
Lifters		Hydraulic
Rocker Arm Ratio		1.70:1
Valve Guides		Pressed-in; cast alloy iron
Valve Lash		Zero
Intake Valves		
Material		Alloy steel
Head Diameter (in)		2.060-2.070
Face Coating		Aluminized
Seats		Machined in cylinder head
Exhaust Valves		
Material		High alloy steel
Head Diameter (in)		1.715-1.725
Face Coating		Aluminized
Seats		Machined in cylinder head; induction hardened
<b>Water Pump</b>		
Type		Centrifugal
Capacity (gpm)		23 @ 2000 rpm

# TURBO-JET 454-4/DE V8

(Ordering Code LS4)



**Typical Engine Shown**

## Applications

Standard: None

Optional: El Camino

## Basic Specifications

Engine type..... Valve-in-head  
Piston displacement..... 454 cu in  
Bore & stroke (nominal)..... 4.25" x 4.00"  
Compression ratio..... 8.25:1  
Carburetor type..... 4-barrel  
Exhaust..... Dual

## Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F)..... 235 @ 4000 rpm  
SAE net torque, lb-ft (85°F)..... 360 @ 2800 rpm

# 454 V8 ENGINES

## SPECIFICATIONS

	TURBO-JET		HIGH TORQUE	
	454-4/DE (El Camino)		454-4/SE	
			C10-30 (exc. Blazer)	P30
<b>Basic Description</b>	V8; valve-in-head			
Displacement (cu in)	454			
Bore & Stroke (in)	4.251 x 4.00			
Compression Ratio	8.25:1			
Firing Order	1-8-4-3-6-5-7-2			
SAE Net Horsepower @ rpm	235 @ 4000	230 @ 4000	245 @ 4000	
SAE Net Torque (lb-ft) @ rpm	360 @ 2800	350 @ 2800	365 @ 2800	
<b>Air Cleaner</b>	Thermostatically controlled; oil wetted paper element			
<b>Camshaft</b>	Steel-backed babbitt			
Bearings	Steel-backed babbitt			
Intake Valve	Opens	56° BTC		
	Closes	114° ABC		
Exhaust Valve	Opens	110° BBC		
	Closes	62° ATC		
Intake Duration w/o Ramp	350°			
Exhaust Duration w/o Ramp	352°			
<b>Carburetor</b>	4-Barrel			
Type	4-Barrel			
Make	Rochester Quadrajets			
Venturi ID (in)	1.09			
Throttle Bore (in)	1.38 Primary; 2.25 Secondary			
Choke Control	Automatic			
<b>Connecting Rods</b>	Closed positive			
Material	Drop forged steel			
Length (in)	6.130-6.140			
Bearings	Premium aluminum			
<b>Crankcase Ventilation</b>	Closed positive			
<b>Crankshaft</b>	Forged steel			
Material	Forged steel			
Number of Counterweights	6			
Main Journals (in)	2.75 (Nominal)			
Crankpin Journals (in)	2.199-2.20			
Torsional Damper	Inertia; rubber mounted			
Bearings	Steel with Premium aluminum or copper-lead insert			
<b>Distributor</b>	Delco-Remy; centrifugal & vacuum advance			
<b>Fuel Filter</b>	Pleated fiber element			
Carburetor	Pleated fiber element			
Fuel Tank	Mesh strainer			
<b>Lubrication System</b>	Controlled full pressure			
Main Bearings	Direct pressure			
Camshaft Bearings	Direct pressure			
Timing Gear	Centrifugally sprayed			
Connecting Rods	Direct pressure			
Valve Mechanism	Pressure & gravity			
Cylinder Walls	Cross sprayed by pressurized jets			
Piston Pins	Splash			



# 454 V8 ENGINES

## SPECIFICATIONS

	TURBO-JET	HIGH TORQUE	
	454-4/DE (El Camino)	454-4/SE	
		C10-30 (exc. Blazer)	P30
<b>Oil Capacity</b>			
With filter change	4½	5	
W/o filter change	4	4	
<b>Oil Filter</b>			
Standard	Full flow; throwaway type	Full flow; replaceable element	
Capacity (qts)	½	1	
<b>Oil Pump</b>			
Type	Spur gear; distributor shaft driven		
Capacity (gpm)	6.0 @ 2000		
Normal Pressure (psi)	40 @ 2000 rpm		
<b>Pistons</b>			
Material	Cast aluminum alloy		
Skirt	Slipper		
Head	Flat		
<b>Piston Pins</b>			
Type	Rod shrink fit to pin		
Material	Chromium steel		
<b>Piston Rings</b>			
Compression Rings			
Number	2		
Type	Upper—barrel face; lower—taper face		
Material	Cast alloy iron		
Oil Control Rings			
Number	1		
Type	Multi-piece		
Material	Steel		
<b>Thermostat</b>	Harrison; 195°		
<b>Valve Train</b>			
Type	Individually mounted rocker arms, push rod actuated		
Lifters	Hydraulic		
Rocker Arm Ratio	1.70:1		
Valve Guides	Pressed-in; cast alloy iron		
Valve Lash	Zero		
Intake Valves			
Material	Alloy steel		
Head Diameter (in)	2.060-2.070		
Face Coating	Aluminized		
Seats	Machined in cylinder head		
Exhaust Valves			
Material	High alloy steel		
Head Diameter (in)	1.715-1.725		
Face Coating	Aluminized		
Seats	Machined in cylinder head; induction hardened		
Rotators (exhaust)	Yes		
<b>Water Pump</b>			
Type	Centrifugal		
Capacity (gpm)	23 @ 2000 rpm		

# TRANSMISSIONS

## VEGA PANEL EXPRESS

### EL CAMINO

### LUV PICKUP

#### 3-SPEED TRANSMISSIONS

Type	Chevrolet 3-Speed	Chevrolet 3-Speed	Chevrolet 3-Speed
<b>Applications</b> .....	140-1 Four 140-2 Four	350-2 V8	350-4 V8 400-2 V8 400-4 V8
<b>Synchronized Speeds:</b> .....	All forward		
<b>Gear Ratios:</b>			
First .....	3.11	2.85	2.54
Second .....	1.84	1.68	1.50
Third .....	Direct	Direct	Direct
Reverse .....	3.22	2.95	2.63
<b>Gears:</b>	Helical		
Type .....	Forged steel; hardened		
Material .....			
<b>Gearshift Control:</b>	Column		
Type .....			
Location .....			

#### 4-SPEED TRANSMISSIONS

Type	LUV 4-Speed	Chevrolet 4-Speed	Chevrolet Close-Ratio 4-Speed
<b>Applications</b> .....	LUV 4-Cylinder	140-1 Four 140-2 Four	454-4 V8
<b>Synchronized Speeds</b> .....	All forward		
First .....	3.51	3.11	2.20
Second .....	2.18	2.20	1.64
Third .....	1.42	1.47	1.27
Fourth .....	Direct	Direct	Direct
Reverse .....	3.93	3.11	2.26
<b>Gears:</b>	Helical		
Type .....	Forged steel; hardened		
Material .....			
<b>Gearshift Control:</b>	Manual direct		
Type .....	Floor*		
Location .....			

#### AUTOMATIC TRANSMISSIONS

Type	Turbo Hydra-matic		
<b>Applications</b> .....	140-1 Four 140-2 Four	454-4 V8	350-2 V8 350-4 V8 400-2 V8 400-4 V8
<b>Drive (Maximum)</b> .....	4.19:1	5.21:1	5.29:1
<b>Cooling</b> .....	Water		

\*Optional console available on all except LUV 4-speed

# EL CAMINO

## 1974 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles produced commencing December 13, 1973

Description	Model Number	Wheel-base	Factory D&H§	List Price	Mfr's Sgt'd Retail Price★	Destination Charge & Group Number	Total
<b>◆ 8-Cylinder Turbo-Fire 350-2/SE Engine—Engine Ordering Code L65</b>							
El Camino— 3-Passenger .....	1AC80	116"			3139.45	15_____	_____
El Camino Classic— 3-Passenger .....	1AD80	116"			3277.45	15_____	_____

- ★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, options or accessories.  
 ◆ Refer to Power Team Chart for California Emission Certification Requirements.

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced commencing December 13, 1973

Description	Added Weight (F) (R)	Option Number	Factory D&H§	List Price	Mfr's Suggested Retail Price◇
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### POWER TEAMS

(See Power Teams Chart for availability and complete engine spe)

#### Engines:

<i>Turbo-Fire 350-4/SE.</i> Available only when YF5 California Emission Certification is specified. ....	4	0	LM1		46.00
<i>Turbo-Fire 400-2/SE.</i> Available only when M40 Turbo Hydra-matic transmission is specified. Not available for registration in the State of California .....	-48	-2	LF6		51.00
<i>Turbo-Fire 400-4/SE.</i> Available only when M40 Turbo Hydra-matic transmission and YF5 California Emission Certification are specified .....	-42	-2	LT4		97.00
<i>Turbo-Jet 454-4/DE.</i> Available only when M40 or M21 transmission and N41 power steering are specified. Includes UA1 HD battery and J50 power brakes .....	178	40	LS4		273.00

#### Transmissions:

<i>Turbo Hydra-matic.</i>					
With L65 350-2/SE or LM1 350-4/SE engine .....	22	8	M40		216.00
With LF6 400-2/SE or LT4 400-4/SE engine .....	71	19	M40		216.00
With LS4 454-4/DE engine .....	37	13	M40		237.00
<i>4-Speed Close-Ratio.</i> Available only when LS4 454-4/DE engine and F40 special suspension or radial tires are specified .....	3	1	M21		197.00
<b>Axle, Positraction Rear</b> .....	0	0	G80		45.00
<b>Axle Ratio:</b> Available only when M40 Turbo Hydra-matic transmission is specified.					
<i>Performance.</i> Available only when L65 350-2/SE engine is specified .....	0	0	G92		12.00
<i>Trailerling</i> .....	0	0	YD1		12.00

### MODEL OPTIONS

(See Interior and Exterior Color Selection Chart)

**SS Equipment:** El Camino Classic model with optional engine and transmission only. Not available when B84 body side moldings is specified. Includes D35 sport mirrors; SS emblems on grille, fender, tailgate and instrument panel; upper body striping; special instrument cluster with black bezels; PE1 14" x 7" Turbine I wheels and QGF G70-14/B white lettered tires.

<i>With Black Striping.</i> Not available when 19 Black or 29 Midnight Blue exterior paint is specified. ....	13	16	Z15 /19A		250.25
<i>With White Striping.</i> Not available when 11 white exterior paint is specified .....	13	16	Z15 /11A		250.25
<b>Estate, Custom El Camino:</b> El Camino Classic model only. Not available when Z15 SS Equipment is specified. Includes body side and tailgate wood-grained ornamentation; upper body side, tailgate and wheel opening moldings .....	4	2	YA2		131.00

§ 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.

# EL CAMINO

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced commencing December 13, 1973

Description	Added Weight (F) (R)	Option Number	Factory D&H <sup>‡</sup>	List Price	Mfr's Suggested Retail Price ◊
<b>MODEL OPTIONS</b>					
<b>Exterior Decor:</b> Not available when Z15 SS Equipment or YA2 Estate is specified.					
El Camino model only. Includes wheel opening and headlamp housing moldings.					
Without vinyl roof cover also includes roof drip molding . . . . .	1 2	YJ9			30.00
With vinyl roof cover . . . . .	1 2	YJ9			18.00
El Camino Classic model only. Includes headlamp housing moldings . . . . .					
	1 2	YJ9			5.00
<b>POWER ASSISTS</b>					
<b>Brakes, Power:</b> Included when C60 air conditioning is specified	10 1	J50			49.00
<b>Door Lock System, Power:</b> Electric . . . . .	4 3	AU3			47.00
<b>Steering, Power:</b> . . . . .	24 0	N41			117.00
<b>Windows, Power:</b> Electric. El Camino Classic models only. . . . .	6 3	A31			78.00
<b>OTHER OPTIONS</b>					
<b>Air Conditioning:</b> <i>Four-Season.</i> Includes K76 61-amp generator, and increased cooling.					
Without LS4 454-4/DE engine. Includes J50 power brakes . . . . .	87 4	C60	N.C.		461.00
With LS4 454-4/DE engine . . . . .	90 4	C60	N.C.		412.00
<b>Battery, Heavy-Duty:</b> 15-plate, 80-amp-hr. Included when LS4 454-4/DE engine is specified. . . . .					
	2 0	UA1	N.C.		15.00
<b>Belts, Custom Deluxe Seat and Shoulder:</b> 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—3 seat and 2 shoulder . . . . .	0 0	AK1	N.C.		10.50
With bucket seats—2 seat and 2 shoulder . . . . .	0 0	AK1	N.C.		9.00
<b>Bumper Equipment:</b>					
<i>Bumpers, Deluxe.</i> Front and Rear. Includes black resilient impact strips. . . . .					
	5 3	VE5	N.C.		24.00
<i>Guards, Bumper.</i> Front only. . . . .	8 -1	V30	N.C.		15.00
<b>California Emission Certification:</b> Includes all testing, equipment and/or certification necessary for registration in the State of California (See Power Teams Charts for availability and complete specifications) . . . . .					
	0 0	YF5	N.C.		20.00
<b>Clock, Electric:</b> Included when U14 special instrumentation is specified. . . . .					
	0 0	U35	N.C.		17.00
<b>Conquista:</b> El Camino Classic model only. Not available when vinyl roof cover, Custom El Camino Estate or Z15 SS Equipment is specified. Includes BX8 front fender, body side and tailgate moldings. See Conquista Interior and Exterior Color Selection Chart for interior and exterior color availability and ordering information. . . . .					
	1 1	D91	N.C.		122.00
<b>Console:</b> Available only when bucket seats and M40 or M21 transmission are specified. Includes compartment. Shift lever is mounted on console.					
Without M40 Turbo Hydra-matic transmission . . . . .	5 3	D55	N.C.		59.00
With M40 Turbo Hydra-matic transmission. . . . .	10 5	D55	N.C.		59.00
Container, Litter: Color-keyed . . . . .	0 0	D24	N.C.		5.00
<b>Cooling Equipment:</b> <i>Radiator, Heavy-Duty.</i> Includes extra HD cooling.					
Without LS4 454-4/DE engine . . . . .	8 -1	V01	N.C.		21.00
With LS4 454-4/DE engine . . . . .	4 -1	V01	N.C.		21.00
<b>Generator, 61-Amp Delcotron:</b> Included when C60 air conditioning is specified . . . . .					
	1 0	K76	N.C.		28.00
<b>Glass, Soft-Ray Tinted:</b> All windows . . . . .	0 0	A01	N.C.		43.00
<b>Horns, Dual</b> . . . . .	1 0	U05	N.C.		4.00

<sup>‡</sup> 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.

# EL CAMINO

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced commencing December 13, 1973

Description	Added Weight (F) (R)	Option Number	Factory D&H <sup>§</sup>	List Price	Mfr's Suggested Retail Price <sup>◇</sup>
<b>OTHER OPTIONS</b>					
<b>Instrumentation, Special:</b> El Camino Classic model only. Includes clock, tachometer, ammeter and temperature gauges . . . .	1	0	U14	N.C.	88.00
<b>Lighting, Auxiliary:</b>					
<i>(A) Ashtray Light .</i>					
<i>(B) Courtesy Lights .</i>					
<i>(C) Glove Compartment Light .</i>					
<i>(D) Mirror Map Light .</i>					
<i>(E) Underhood Light .</i>					
For El Camino model—Includes A, B, C, D & E . . . . .	1	0	ZJ9	N.C.	21.00
For El Camino Classic model—Includes A, B, D & E . . . . .	1	0	ZJ9	N.C.	17.50
<b>Mats, Color-Keyed Floor:</b> 2 Front . . . . .	4	2	B37	N.C.	7.00
<b>Mirrors:</b>					
<i>Rearview, LH Outside Remote-Control.</i> Not available when Z15 SS Equipment or D35 sport mirrors are specified . . . . .	1	0	D33	N.C.	13.00
<i>Sport.</i> Body-colored LH remote-control and RH manual sport mirrors. Included when Z15 SS Equipment is specified . . . . .	2	1	D35	N.C.	26.00
<i>Visor Vanity .</i> . . . .	0	0	D34	N.C.	3.00
<b>Moldings:</b> Not available when YA2 Estate is specified.					
<i>Body Side.</i> Includes vinyl insert. Not available when D91 Conquista is specified . . . . .	1	1	B84	N.C.	35.00
<i>Door Edge Guard .</i> . . . .	0	0	B93	N.C.	6.00
<i>Front Fender, Body Side and Tailgate.</i> Not available when Z15 SS is specified. Included when D91 Conquista is specified . . . . .	1	1	BX8	N.C.	40.00
<b>Paints, Exterior:</b> See Interior and Exterior Color Selection Chart					
<i>Solid .</i> . . . .	0	0	. . .	N.C.	N.C.
<i>Two-Tone.</i> Includes bright roof outline moldings . . . . .	0	0	. . .	N.C.	31.00
<b>Radio Equipment:</b> Pushbutton.					
<i>AM .</i> . . . .	4	2	U63	N.C.	65.00
<i>AM/FM .</i> . . . .	6	2	U69	N.C.	135.00
<b>Roof Cover, Vinyl:</b> Includes bright metal outline molding. See Interior and Exterior Color Selection Chart . . . . .					
	1	1	. . .	N.C.	62.00
<b>Seats, Bucket:</b> See "Trim, Interior"					
<b>Steering Wheel:</b> Comfortilt. Available only when M40 or M21 transmission is specified . . . . .					
	1	1	N33	N.C.	46.00
<b>Suspension Equipment:</b> Special. Front and Rear. Not available when LS4 454-4/DE engine and GR70 or HR70 radial tires are specified. Includes special front and rear springs and matching shock absorbers					
Without GR70 or HR70 radial tires . . . . .	0	0	F40	N.C.	17.00
With GR70 or HR70 radial tires . . . . .	0	0	F40	N.C.	N.C.
<b>Trim, Interior:</b> See Interior and Exterior Color Selection Chart for availability and ordering information .					
<i>Strato-bucket Seats.</i> Swing-Out Type.					
El Camino model only . . . . .	7	8	. . .	N.C.	133.00
El Camino Classic model only . . . . .	5	6	. . .	N.C.	97.00
<b>Wheel Trim:</b>					
<i>Rally Wheels.</i> Available only when radial tires are specified. Included when Z15 SS Equipment is specified with radial tires. Includes styled wheels, special hub caps and trim rings. . . . .	0	0	ZJ7	N.C.	44.00
<i>Turbine I Wheels.</i> 14" x 7". Not available when radial tires are specified. Included when Z15 SS Equipment is specified without radial tires. Includes styled 14" x 7" wheels and special hub caps . . . . .	6	9	PE1	N.C.	110.50
<i>Wheel Covers, Full.</i> Bright Metal. Not available when Z15 SS Equipment is specified. . . . .	1	1	P01	N.C.	26.00
<i>Wire Wheel Covers.</i> Not available when Z15 SS Equipment is specified . . . . .	10	10	N95	N.C.	82.00

<sup>§</sup> D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.  
<sup>◇</sup> State and local taxes not included.

# EL CAMINO

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced commencing December 13, 1973

Description	Added Weight (F) (R)	Option Number	Factory D&H <sup>§</sup>	List Price	Mfr's Suggested Retail Price <sup>◇</sup>
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### FACTORY INSTALLED REGULAR PRODUCTION TIRES

**Replaces G78-14/B Bias Belted Ply Blackwall (Without Z15 SS Equipment)**

(5) G78-14/B Bias Belted Ply White Stripe	1	1	QGL		32.00
(5) G70-14/B Bias Belted Ply White Lettered	4	6	QGF		61.75
(5) H78-14/B Bias Belted Ply Blackwall	7	10	QHE		24.65
(5) H78-14/B Bias Belted Ply White Stripe. Not available when M21 4-speed transmission is specified	6	9	QHF		58.65
(5) GR78-15/B Steel Belted Radial Ply White Stripe	10	15	QDR		135.10

*The following radial tires are available only when N4 1 power steering is specified. Includes radial-tuned suspension.*

(5) GR70-15/B Steel Belted Radial Ply Blackwall	13	20	QRN		149.15
(5) GR70-15/B Steel Belted Radial Ply White Lettered	14	21	QRZ		194.15
(5) GR70-15/B Steel Belted Radial Ply White Stripe	14	21	QRM		181.15
(5) HR70-15/B Steel Belted Radial Ply Blackwall	20	30	QRV		168.80
(5) HR70-15/B Steel Belted Radial Ply White Stripe	21	32	QQZ		203.80

**Replaces G70-14/B Bias Belted Ply White Lettered (With Z15 SS Equipment)**

*The following radial tires are available only when N4 1 power steering is specified. Includes radial-tuned suspension and ZJ7 rally wheels.*

(5) GR70-15/B Steel Belted Radial Ply White Lettered	10	15	QRZ		30.90
(5) HR70-15/B Steel Belted Radial Ply White Stripe	17	26	QQZ		37.55

<sup>§</sup> D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.  
<sup>◇</sup> State and local taxes not included.

# GENERAL

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# MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS. OR SEATS
A-CAR	MALIBU	4-Dr. Colonnade Hardtop Sedan	1AC29	5
		2-Dr. Colonnade Hardtop Coupe	1AC37	5
		4-Dr. Station Wagon	1AC35	2-Seat*
	MALIBU CLASSIC	4-Dr. Colonnade Hardtop Sedan	1AD29	5
		2-Dr. Colonnade Hardtop Coupe	1AD37	5
		4-Dr. Station Wagon	1AD35	2-Seat*
	LAGUNA TYPE S-3	2-Dr. Colonnade Hardtop Coupe	1AE37	5 (a)
	MALIBU CLASSIC ESTATE	4-Dr. Station Wagon	1AG35	2-Seat*
	EL CAMINO	2-Dr. Sedan Pickup	1AC80	3
	EL CAMINO CLASSIC	2-Dr. Sedan Pickup	1AD80	3

\* Third seat available as RPO AQ4 station wagons.

(a) Bucket seats only.



# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1 C 35 H 4 4 500001

Sequential Number  
Assembly Plant (\*)  
Model Year 1974  
Engine Type (\*\*)  
Body style (last two digits of model number)  
Car line and Series (\*\*\*)  
Make ("1" for Chevrolet)

\*B - Baltimore-GMAD R - Arlington-GMAD  
K - Leeds-GMAD Z - Fremont-GMAD  
Canadian Plant  
No. 1 Oshawa

\*\*D - L6-250 (100 H.P.) R - V8-400 (150 H.P.)  
H - V8-350 (145 H.P.) U - V8-400 (180 H.P.)  
L - V8-350 (160 H.P.) Y - V8-454 (235 H.P.)

\*\*\*C - Malibu Models E - Laguna Model Type 'S-3'  
D - Malibu Classic Models G - Malibu Classic Estate

EXAMPLE: The twenty-fifth Chevelle vehicle built at GMAD Baltimore if it were a 1AC35 model (Malibu Station Wagon) with a (V8-350, 145 H.P.) engine would bear VIN Number 1C35H4B400025.

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

## TRANSMISSION IDENTIFICATION

Example: S4E01

Type	Source	Model Year	Production <sup>o</sup>
Designation	Designation	1974	Month & Date
TM	S (Muncie)	4	E01D*

TM	3-Speed	L-6 engine	S - Muncie
TN	3-Speed	V-8 engines	S - Muncie
WK	4-Speed	V-8 engine	P - Muncie
TT	Turbo Hydra-matic	L-6 engine	B - Cleveland Y - Toledo
FB	Turbo Hydra-matic	V-8 engine	B - Cleveland Y - Toledo
CF	Turbo Hydra-matic	V-8 engine	- Ypsilanti

Location:

3-Speed . . . . . Stamped on, left side just below cover.

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

Turbo Hydra-matic (Chevrolet) . . . . . Stamped on left hand side of pan.

Turbo Hydra-matic . . . . . Nameplate tag on right hand side of the case.

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

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

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

## ENGINE IDENTIFICATION

Example: F1210CCR

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

Turbo-Thrift 250, 250 Cubic Inch L-6, Base Engine

CCR - Regular engine, 3-speed  
CCX - Regular engine, Turbo Hydra-matic (Chevrolet)

Turbo-Fire 350, 350 Cubic Inch V-8, (RPO-L65)

CMC - Regular engine, 3-speed  
CMA - Regular engine, Turbo Hydra-matic (Chevrolet)

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

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

Turbo-Fire 400, 400 Cubic Inch V-8 (RPO-LF6)

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

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

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

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

CWA - Optional engine, 4-speed, 4-bbl carb.  
CWD - Optional engine, Turbo Hydra-matic, 4-bbl carb.

Location:

6-cylinder engine . . . . . Stamped on pad on right side of cylinder block to rear of distributor

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

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

## REAR AXLE IDENTIFICATION

XA - 2.73 Axle  
XC - 3.08 Axle  
XE - 3.42 Axle

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

See Power Train Section for additional information.

# EXTERIOR EQUIPMENT

## STANDARD EXTERIOR EQUIPMENT

<u>FRONT</u>	MALIBU	MALIBU CLASSIC	LAGUNA
Radiator Grille – Black Plastic with Argent Leading Edges . . . . .	X	X	
Radiator Grille – Die Cast . . . . .			X
Radiator Grille Bright Outline Moldings . . . . .	X	X	
Bright Headlamp Bezels . . . . .	X	X	X
Parking Lamp in Front Bumpers – Amber Lens and White Bulb . . . . .	X	X	
Parking Lamps in Radiator Grille – White Lens and Amber Bulb . . . . .			X
Bright Hood Molding (at Cowl) . . . . .	X	X	X
Bright Windshield Reveal Molding . . . . .	X	X	X
Depressed Park Windshield Wipers with articulated Left Blade . . . . .	X	X	X
Radiator Grille Nameplate – “Chevelle by Chevrolet” . . . . .	X	X	
Bumper Impact Strip – Color Coded . . . . .			X
Urethane Front End Body Color . . . . .			X
Front Bumper Guards – Colored: Insert . . . . .			X
Sport Stripes . . . . .			X
Radiator Grille Nameplate “Laguna Type S-3” . . . . .			X
Radiator Grille Nameplate – “Chevelle” . . . . .			X
Header Panel Ornament . . . . .		X	
 <u>SIDE</u>			
Lower Body Side Molding . . . . .		X	
Front Fender Nameplate . . . . .	“Malibu”	“Malibu Classic”	Laguna Type S-3
Bright Head Belt Molding . . . . .	X	X	X
Bright Rear View Mirror – LH . . . . .	X	X	
Body Color Dual Sport Rear View Mirrors – LH Remote Control, RH Manual . . . . .			X
Bright Door Corner Moldings . . . . .	X	X	X
Bright Aluminum Hub Caps . . . . .	X	X	
Rally Wheels . . . . .			X
Body Color Wheels . . . . .	X	X	
Sport Stripes . . . . .			X
Front Marker Lamp, Clear Lens with Amber Bulb and Body Color Bezel . . . . .			X
Front Marker Lamp, Amber Lens with Clear Bulb and Body Color Bezel . . . . .	X	X	
Rear Marker Lamp, Red Lens and Body Color Bezel . . . . .	X	X	X
Roof Drip Moldings . . . . .		X	X
Wheel Opening Moldings . . . . .		X	
 <u>REAR</u>			
Rear Body Panel Nameplate – “Chevelle by Chevrolet” . . . . .	X	X	
Rear Body Panel Nameplate – “Laguna Type S-3” . . . . .			X
Bright Rear Window Reveal Molding . . . . .	X	X	X
Argent Tail Lamp Rings . . . . .	X		
Bright Tail Lamp Rings . . . . .		X	X
Argent Tail Lamp Lens Accent Rings . . . . .			X
Bumper Impact Strip . . . . .			X
Single Mounted Tail Lamps on Body Rear Panel . . . . .	X	X	X
Rear Bumper Guards . . . . .			X

## STANDARD EXTERIOR EQUIPMENT STATION WAGONS

<u>FRONT</u>	MALIBU	MALIBU CLASSIC	MALIBU CLASSIC ESTATE
Radiator Grille Chrome Plate, Die Cast . . . . .	X	X	X
Bright Radiator Grille Outline Molding . . . . .	X	X	X
Bright Headlamp Bezels . . . . .	X	X	X
Bright Hood Molding (at Cowl) . . . . .	X	X	X
Bright Windshield Reveal Molding . . . . .	X	X	X
Radiator Grille Nameplate – “Chevelle by Chevrolet” . . . . .	X	X	X
Depressed Park Windshield Wipers with Articulated Left Blade . . . . .	X	X	X
Parking Lamps in Bumpers – Amber Lens, White Bulb . . . . .	X	X	X
Header Panel Ornament . . . . .		X	X
<u>SIDE</u>			
Bright Belt Bead Molding . . . . .	X	X	X
Bright Rear View Mirror – LH . . . . .	X	X	X
Bright Hub Caps . . . . .	X	X	X
Bright Lift Bar Door Handles . . . . .	X	X	X
Bright Door Corner Molding . . . . .	X	X	X
Body Color Wheels . . . . .	X	X	X
Bright Quarter Reveal Moldings . . . . .	X	X	X
Fender Nameplate – Bright . . . . .	“Malibu”	“Malibu Classic”	“Malibu Classic”
Front Marker Lamp, Amber Lens w/Clear Bulb and Body-Color Bezels . . . . .	X	X	X
Rear Marker Lamp, Red Lens and Body-Color Bezel . . . . .	X	X	X
Rocker Panel Lower Body Side Molding . . . . .		X	
Body Side Wood-Grain Surface . . . . .			X
Wheel Opening Moldings . . . . .		X	X
Bright Body Side Molding Surrounding Wood-Grain . . . . .			X
Roof Drip Moldings . . . . .		X	X
Rear Quarter Panel Nameplate . . . . .			“Estate”

# EXTERIOR EQUIPMENT

## STANDARD EXTERIOR EQUIPMENT STATION WAGONS

REAR	MALIBU	MALIBU CLASSIC	MALIBU CLASSIC ESTATE
Liftgate Nameplate – “Chevelle by Chevrolet” . . . . .	X	X	X
Liftgate Window Reveal Molding . . . . .	X	X	X
Bright Liftgate Handle . . . . .	X	X	X
Tail Lamps Mounted in Bumper . . . . .	X	X	X
Backup Lamps Mounted in Bumper – Inboard of Tail Lamps . . . . .	X	X	X
Bright Liftgate Molding . . . . .			X
Wood-Grain Surface . . . . .			X

**STANDARD EXTERIOR EQUIPMENT  
EL CAMINO**

<u>FRONT</u>	<u>EL CAMINO</u>	<u>CLASSIC</u>
Radiator Grille – Chrome Plated, Die Cast . . . . .	X	X
Bright Radiator Grille Outline Moldings . . . . .	X	X
Bright Headlamp Bezels . . . . .	X	X
Parking Lamps in Bumper . . . . .	X	X
Radiator Grille Nameplate – “El Camino” . . . . .	X	X
Bright Hood Molding (at Cowl) . . . . .	X	X
Bright Windshield Reveal Molding . . . . .	X	X
Depressed Park Windshield Wipers with Articulated Left Blade . . . . .	X	X
Header Panel Ornament . . . . .		X
<u>SIDE</u>		
Front Fender Nameplate – “El Camino” . . . . .	X	X
Bright Belt Bright Bead Molding . . . . .	X	X
Bright LH Outside Rear View Mirror . . . . .	X	X
Bright Hub Caps . . . . .	X	X
Bright Lift Bar Door Handles . . . . .	X	X
Bright Door Corner Molding . . . . .	X	X
Body Color Wheels . . . . .	X	X
Lower Body Side Molding . . . . .		X
Front Fender Nameplate “Classic” . . . . .		X
Wheel Opening Moldings . . . . .		X
Roof Drip Moldings . . . . .		X
<u>REAR</u>		
Tailgate Nameplate “El Camino” with Chevrolet “Bow Tie” . . . . .	X	X
Tail and Backup Lamps Bumper Mounted . . . . .	X	X
Bright Rear Window Reveal Molding . . . . .	X	X
Bright Roof, Load Compartment and Tailgate Moldings . . . . .	X	X

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT COUPE AND SEDAN

ROOF AND PILLARS	MALIBU	MALIBU CLASSIC	LAGUNA S-3
Headlining— Perforated Vinyl Coated . . . . .	X	X	X
Sail Finish Panel — Matching Headlining . . . . .	X	X	X
Vinyl Finish Lace — Windshield Header, Roof Side Rail, Rear Quarter Window and Rear Window . . . . .	X	X	X
Rear Window Escutcheon — Plastic . . . . .	X	X	X
Padded Sunshades (Short, Narrow Type) — Matching Headlining . . . . .	X	X	X
Bright Sunshade Hinge Bezel . . . . .	X	X	X
Windshield — Cemented Rear View Mirror — 12-inch Prismatic with Black Padded Edge, Black Support . . . . .	X	X	X
Dome Lamp — White Lens, Argent Bezel . . . . .	X	X	X
Windshield Pillar Garnish Moldings — Painted Metal (Air Gap type) . . . . .	X	X	X
Shoulder Belt Anchor Cover — Plastic . . . . .	X	X	X
Coat Hooks — Vinyl . . . . .	X	X	X
Package Shelf — Embossed Board . . . . .	X	X	X
Center Pillar Cover — Plastic . . . . .	29	29	29
Door Opening Windlace — Vinyl . . . . .	X	X	X
Front Door Jamb Switches . . . . .	X	X	X

## STANDARD INTERIOR EQUIPMENT COUPE AND SEDAN

<u>SEATS AND FLOOR COVER</u>	MALIBU	MALIBU CLASSIC	LAGUNA S-3
Front Bench Seat with Foam Pad Cushion . . . . .	X	X	
Seat Adjuster Handle – Black . . . . .	X	X	X
Black Folding Seat Backrest Latch and Bezel . . . . .	37	37	37
Fold Down Center Armrest . . . . .		X	
Vinyl Trimmed Head Restraints – Adjustable . . . . .	X	X	X
Rear Seat Cushion – Foam Pad . . . . .	X	X	X
Seat Backrest to Quarter Panel Filler – Painted Textured Metal . . . . .	X	X	X
Two Black Front Seat Shoulder Belts . . . . .	X	X	X
Three Black Front Seat Lap Belts (Two for Laguna) . . . . .	X	X	X
Three Black Rear Seat Lap Belts . . . . .	X	X	X
Front Seat Outboard Lap Belt Retractor Covers . . . . .	X	X	X
Color-Keyed Cut Pile Carpet in Passenger Compartment . . . . .	X	X	X
Luggage Compartment Spatter Paint . . . . .	X	X	X
Luggage Compartment – Foam Backed Vinyl Mat . . . . .	X	X	X
Front Seat Back Ash Tray . . . . .	29	29	
Front Bucket Seats . . . . .			X
 <u>DOOR AND QUARTER PANEL</u>			
Rear Quarter Finish Panel – Plastic . . . . .	29	29	
All-Vinyl Door and Quarter Trim Panels . . . . .	X		X
Vinyl and Cloth Door and Quarter Trim Panels . . . . .		X	
Front Door Padded Armrest . . . . .	X	X	X
Rear Door Padded Armrest . . . . .	29	29	
Rear Quarter Armrest . . . . .	37	37	37
Bright Door Lock Buttons – Plastic . . . . .	X	X	X
Clear Vinyl Window Control Handle Knobs . . . . .	X	X	X
Black Cowl Ventilation Control Knobs . . . . .	X	X	X
Black Ventilation Control Knobs . . . . .	X	X	X
Cowl Kick-Pads – Plastic . . . . .	X	X	X
Door Sidewall Series Nameplate . . . . .	X		X
Simulated Wood Grain on Door and Rear Quarter Panels . . . . .	X		X
Ash Tray in Rear Part of Door Arm Rest . . . . .	37	37	37

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT COUPE AND SEDAN

<u>INSTRUMENT PANEL AND STEERING COLUMN</u>	<u>MALIBU</u>	<u>MALIBU CLASSIC</u>	<u>LAGUNA S-3</u>
General Cluster Lighting – Blue Tint . . . . .	X	X	X
Glove Compartment Light . . . . .		X	X
Warning Lights – Temperature, Generator, Oil Pressure, Brakes, Seat Belts . . . . .	X	X	X
Indicators – Hi-Beam, Turn Signal and Hazard Flashers . . . . .	X	X	X
Two-Speed W/S Wiper and Washer – Slide Type, Depress to Wash, Bright Knob, Switch Illuminated . . . . .	X	X	X
Ash Tray . . . . .	X	X	X
Heater – Slide Type Controls, Bright Knobs, Illuminated . . . . .	X	X	X
Light Switch – Black Soft Symbol Knob . . . . .	X	X	X
Cigarette Lighter – Black Knob . . . . .	X	X	X
120 MPH Speedometer – Odometer . . . . .	X	X	X
Fuel Gauge . . . . .	X	X	X
Glove Compartment Door Lock . . . . .	X	X	X
Black “T” Handle Parking Brake Release . . . . .	X	X	X
Black “T” Handle Interior Hood Release . . . . .	X	X	X
Trim Color Instrument Panel Pad . . . . .	X	X	X
Clock Hole Cover Plate . . . . .	X	X	X
Black Color Steering Wheel, Column and Instrument Cluster . . . . .	X		
Color Keyed Steering Wheel, Column and Instrument Cluster . . . . .		X	X
Wood Grain on Instrument Cluster . . . . .		X	X
Oval Dial (Monte Carlo) Instrument Cluster . . . . .			X
Soft Vinyl Steering Wheel Shroud with Wood Grain Insert and “Laguna” Nameplate . . . . .			X
Soft Vinyl Steering Wheel and Column with Black Insert and “Chevrolet” Nameplate . . . . .	X	X	
Black Hazard Flasher Knob . . . . .	X	X	X
Black Soft Turn Signal and Shift Lever Knobs . . . . .	X	X	X
Steering Column Ignition Switch with Integral Steering and Transmission Lock . . . . .	X	X	X
Plastic Cowl Kick Pads . . . . .	X	X	X
<u>GLASS</u>			
Laminate Safety Plate Glass Windshield (Thin Design) . . . . .	X	X	X
Safety Solid Tempered Plate Side Glass . . . . .	X	X	X
Safety Solid Tempered Plate Rear Window . . . . .	X	X	X



**STANDARD INTERIOR EQUIPMENT  
STATION WAGONS**

<u>ROOF AND PILLARS</u>	<u>MALIBU</u>	<u>MALIBU CLASSIC</u>	<u>MALIBU CLASSIC ESTATE</u>
Headlining – Non Perforated, Vinyl coated . . . . .	X	X	X
Vinyl Finish Lace – Windshield Header, Roof Side Rail, Rear Quarter Window & Rear Window . . . . .	X	X	X
Padded Sunshades (Short, Narrow Type) Matching Headlining . . . . .	X	X	X
Bright Sunshade Hinge Bezel . . . . .	X	X	X
Windshield Cemented Rear View Mirror – 12-inch Prismatic with Black Padded Edge, Black Support . . . . .	X	X	X
Dome Lamp – White Lens, Argent Bezel . . . . .	X	X	X
Windshield Pillar Garnish Moldings – Plastic . . . . .	X	X	X
Shoulder Belt Anchor Cover – Plastic . . . . .	X	X	X
Coat Hooks – Vinyl . . . . .	X	X	X
Center Pillar Cover – Plastic . . . . .	X	X	X
Lock Pillar Cover – Plastic . . . . .	X	X	X
Liftgate Pillar and Escutcheon – Painted Metal . . . . .			
Additional Roof Insulation . . . . .			
Front Door Jamb Switches . . . . .	X	X	X

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

<u>SEATS AND FLOOR COVERING</u>	<u>MALIBU</u>	<u>MALIBU CLASSIC</u>	<u>MALIBU CLASSIC ESTATE</u>
Front Bench Seat with Foam Padded Cushion . . . . .	X	X	X
Fold Down Center Arm Rest . . . . .		X	X
Black Seat Adjuster Handle . . . . .			
Vinyl Trimmed Head Restraints – Adjustable . . . . .	X	X	X
Second Seat Cushion – Foam Pad . . . . .	X	X	X
Two Black Front Seat Shoulder Belts . . . . .	X	X	X
Bright Folding Seat Backrest Latches . . . . .	X	X	X
Three Black Front Seat Belts . . . . .	X	X	X
Three Black Second Seat Belts . . . . .	X	X	X
Front Seat Outboard Belt Retractor Covers . . . . .	X	X	X
Color Keyed Cut Pile Floor Carpet . . . . .	X	X	X
Color Keyed Vinyl Painted Textured Metal Load Floor . . . . .	X	X	X
Black Fiber Mat in Floor Well . . . . .	X	X	X
Additional Insulation Under Load Floor and In Stowage Well . . . . .	X	X	X
Front Seat Back Ash Tray . . . . .	X	X	X
<u>DOORS, QUARTER PANEL AND LIFTGATE</u>			
Rear Quarter Finish Panel – Plastic . . . . .	X	X	X
Quarter Window Lower Reveal Molding and Escutcheon – Bright Metal . . . . .	X	X	X
Simulated Wood Grain on Doors . . . . .	X		
Vinyl and Cloth Doors . . . . .		X	X
Front Door Padded Armrest . . . . .	X	X	X
Rear Door Padded Armrest . . . . .	X	X	X
Bright Door Lock Buttons – Plastic . . . . .	X	X	X
Clear Vinyl Window Control Handle Knobs . . . . .	X	X	X
Black Cowl Ventilation Soft Control Knobs . . . . .	X	X	X
Cowl Kick Pads – Plastic . . . . .	X	X	X
Liftgate Panel – Vinyl Painted Textured Metal . . . . .	X	X	X
Door Sidewall Series Nameplate . . . . .	X		
All Vinyl Door Panels . . . . .	X		

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

<u>INSTRUMENT PANEL AND STEERING COLUMN</u>	MALIBU	MALIBU CLASSIC	MALIBU CLASSIC ESTATE
General Cluster Lighting – Blue Tint .....	X	X	X
Glove Compartment Light .....		X	X
Warning Lights – Temperature, Generator, Oil Pressure, Brakes, Seat Belts .....	X	X	X
Indicators – Hi-Beam, Turn Signals and Hazard Flashers .....	X	X	X
Two Speed W/S Wiper and Washer – Slide Type, Depress to Wash – Bright Knob, Illuminated Switch .....	X	X	X
Ash Tray .....	X	X	X
Heater – Slide Type Conttols, Bright Knobs, Illuminated .....	X	X	X
Light Switch – Black Soft Symbol Knob .....	X	X	X
Cigarette Lighter – Black Knob .....	X	X	X
120 MPH Speedometer – Odometer .....	X	X	X
Fuel Gauge .....	X	X	X
Glove Compartment Door Lock .....	X	X	X
Black Parking Brake Release “T” Handle – White “Parking Brake” .....	X	X	X
Trim Color Instrument Panel Pad .....	X	X	X
Clock Hole Cover Plate .....	X	X	X
Trim Color Steering Wheel and Column and Instrument Cluster .....		X	X
Black Steering Wheel and Column and Instrument Cluster .....	X		
Wood Grain on Instrument Cluster .....		X	X
Soft Vinyl Steering Wheel Shroud with Black Insert Having – “Chevrolet” Nameplate .....	X	X	X
Black Hazard Flasher Knob .....	X	X	X
Black Soft Turn Signal and Shift Lever Knobs .....	X	X	X
Steering Column Ignition Switch with Integral Steering and Transmission Lock .....	X	X	X
Black ‘Tee’ Handle Hood Release – White “Hood” .....	X	X	X
<u>GLASS</u>			
Laminate Safety Plate Glass Windshield (Thin Design) .....	X	X	X
Safety Solid Tempered Plate Side Glass .....	X	X	X
Safety Solid Tempered Plate Rear Window .....	X	X	X

# INTERIOR EQUIPMENT

## EL CAMINO INTERIOR EQUIPMENT

	STANDARD	CLASSIC
<b>ROOF AND PILLARS</b>		
Premier Vinyl Coated Headlining – Perforated . . . . .	X	X
Trim Color Windshield, Rear Window Garnish, and Roof Rail Moldings . . . . .	X	X
12-inch Prismatic Rear View Mirror with Black Padded Edge . . . . .	X	X
Black Painted Rear View Mirror Support . . . . .	X	X
Padded Sunshades . . . . .	X	X
Air Gap Windshield Pillars . . . . .	X	X
Bright Bezeled Backlight Header Dome Lamp . . . . .	X	X
Door Jamb Switches . . . . .	X	X
Shoulder Belt Anchor Cover (Belt Color) . . . . .	X	X
<b>DOOR AND QUARTER PANEL</b>		
Door Padded Armrest . . . . .	X	X
Plastic Window Control Handle Knobs . . . . .	X	X
Bright Door Lock Buttons . . . . .	X	X
All-Vinyl Door . . . . .	X	
Vinyl and Cloth Door . . . . .		X
Simulated Wood Grain Insert on Door Panel . . . . .	X	
Series Nameplate on Door Trim Panel . . . . .	X	
Trim Color Shoulder Belt Retainers . . . . .	X	X
Shoulder Belt Anchor Cover (Belt Color) . . . . .	X	X
<b>SEATS AND FLOOR COVERING</b>		
Front Seat Cushion with Foam Pad . . . . .	X	X
Fold Down Center Armrest . . . . .	X	X
Black Folding Seat Back Latches . . . . .	X	X
Black Seat Adjuster Handle . . . . .	X	X
Carpet Passenger Compartment Floor Covering . . . . .	X	X
Adjustable Head Restraints . . . . .	X	X
Three Black Seat Belts . . . . .	X	X
Two Black Shoulder Belts . . . . .	X	X
Front Seat Outboard Lap Belt Retractor Covers (Belt Color) . . . . .	X	X
<b>INSTRUMENT PANEL AND STEERING COLUMN</b>		
Glove Compartment Light . . . . .		X
Heater Control Light . . . . .	X	X
Temperature, Generator, Oil Pressure, Brake and Seat Belt Warning Lights . . . . .	X	X
Hi-Beam and Turning Signal Indicators . . . . .	X	X
Soft Black Cowl Ventilation . . . . .	X	X
Two-Speed Windshield Wiper and Washer Switch (Slide Type, Depress to Wash) . . . . .	X	X
Light Switch – Soft Black Symbol Knobs . . . . .	X	X
Black Hazard Flasher Knob . . . . .	X	X
Black Turn Signal and Transmission Shift Lever Knobs . . . . .	X	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock . . . . .	X	X
Black Hood Release Handle with White “HOOD” on Handle “T” Handle Parking Brake Release . . . . .	X	X
Ash Tray . . . . .	X	X
Cigarette Lighter – Black Knob . . . . .	X	X
Speedometer, Odometer and Fuel Gauge . . . . .	X	X
Trim Color Instrument Panel Pad . . . . .	X	X
Soft Vinyl Steering Wheel Shroud with Black Grained Insert having “Chevrolet” Nameplate . . . . .	X	X
Black Color Steering Wheel, Column and Instrument Cluster . . . . .	X	
Color Keyed Steering Wheel, Column and Instrument Cluster . . . . .		X
Wood Grain Instrument Cluster . . . . .		X
<b>GLASS</b>		
Laminated Safety Plate Glass Windshield . . . . .	X	X
Solid Safety Plate Glass Backlight . . . . .	X	X
Solid Safety Plate Glass Door Windows . . . . .	X	X

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<u>FEATURE GROUPS</u>		
(Any item contained in a feature group may be ordered separately)		
Front and Rear Bumper Guards . . . . .	V30	X
Door Edge Guards (N.A. on Malibu Classic Estate) . . . . .	B93	X
Color-Keyed Floor Mats - (2 Front, 2 Rear) (except El Camino 2 Front only) . . . . .	B37	X
Visor Vanity Mirror . . . . .	D34	X
Electric Clock . . . . .	U35	X
Rear Window Defogger (Forced Air) . . . . .	C50	X
L.H. Outside Remote-Control Rearview Mirror . . . . .	D33	X
<u>MODEL OPTIONS</u>		
'Estate' (El Camino) . . . . .	YA2	
'SS' Option (El Camino) (See page 20 for content) . . . . .	Z15	
Station Wagon, 3rd Seat . . . . .	AQ4	
Laguna 'Type S-3' (See page 21 for content)		
<u>POWER TEAMS</u>		
Turbo-Fire 350 V-8 . . . . .	L65	
Turbo-Fire 400 V-8 . . . . .	LF6	
Turbo-Jet 454 V-8 . . . . .	LS4	
H.D. 4-Speed Manual Transmission . . . . .	M21	
Turbo Hydra-matic (used with L22, L65 & LF6) . . . . .	M38	
Turbo Hydra-matic (used with LS4) . . . . .	M40	
Axle, Positraction . . . . .	G80	
Axle, Trailering Ratio . . . . .	YD1	

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<u>POWER ASSISTS</u>		
Brakes, Power (Standard on Station Wagons) . . . . .	J50	
Liftgate Lock Release, Electric . . . . .	AU6	
Lock, Electric Door . . . . .	AU3	
Steering, Hydraulic . . . . .	N41	
Window Control, Electric . . . . .	A31	
Front Seat, Electric Control (exc. AN7) . . . . .	A42	
Sun Roof, Electric . . . . .	CA1	
<u>OTHER OPTIONS</u>		
Air Conditioning, Four-Season (See page 19 for content) . . . . .	C60	
Alarm, Theft . . . . .		X
Battery Blanket . . . . .		X
Battery, Heavy Duty . . . . .	UA1	
Bumper Guards, High Rise . . . . .		X
Belts, Deluxe Seat & Shoulder Harness (Color Keyed to Interior) . . . . .	AK1	
Bumper Impact Strips Front and Rear . . . . .	VE5	
Console, Front Compartment Floor . . . . .	D55	
• Cap, Locking Gas Filler . . . . .		X
Carrier, Roof Luggage - Wagon . . . . .	V55	X
Compass . . . . .		X
Cover, Roof Luggage Carrier . . . . .		X
Container, Underseat Litter . . . . .		X
Container, Tunnel Litter . . . . .		X
Decor Exterior . . . . .	YJ9	
Deflector, Rear Window Air (Wagon) . . . . .	CS1	
Dispenser, Tissue . . . . .		X
Extinguisher, Fire . . . . .		X
Extinguisher, Fire Refill . . . . .		X
Generator - 61 amp Delcotron . . . . .	K76	
Gauges, Instrument Panel . . . . .	U14	
Guard, Vinyl Door Edge . . . . .		X
Glass, Tinted - All Windows . . . . .	A01	
Glass, Tinted - W/S Only (Fleet Use) . . . . .	A02	

# EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
<u>OTHER OPTIONS</u>		
Harness, Trailering Wiring . . . . .		X
Hitch, Trailering, Equalizing Type . . . . .		X
Hitch, Trailering – 2000 Lb. Class . . . . .		X
Heater, Engine Block . . . . .		X
Heater, Lower Hose . . . . .		X
Highway Emergency Kit . . . . .		X
Horns, Dual . . . . .	U05	
Lighting, Auxiliary . . . . .	ZJ9	
Courtesy Lights		
Glove Compartment Light		X
Luggage Comp. Light (Except Wagon and Pickup)		X
Ash Tray Light		X
Underhood Light		X
Map Light (Not available on CA1)		X
Light, Rear Door Jamb Switch – 4-Door Sedan . . . . .		X
Litter Container . . . . .	D24	
Mirror, RH . . . . .		X
Mirror Sport Outside, Body Color, LH Remote Control & RH Manual Control . . . . .	D35	
Mirror, Trailering – Fender Clamp . . . . .		X
Molding, Body Side (Except 1AG35) . . . . .	B84	
Molding, Protective Body Side (5 Colors) Vinyl Insert . . . . .		X
Radiator, Heavy Duty . . . . .	V01	
Radiator Coolant Recovery Equipment . . . . .	VQ1	X
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/Stereo Radio . . . . .	UM2	X
Speaker, Rear Seat . . . . .	U80	X
Radio, Citizens Band . . . . .		X
Roof Cover, Vinyl . . . . .	C08	
Retainer, Seat Belt Buckle . . . . .		X
● Seat Contour Bucket, Special – 90° Swivel (not available on 1AC, 1AD29) . . . . .	AN7	
Seat, Child Safety . . . . .		X
Seat, Infant Safety . . . . .		X
Ski Rack, Roof Top . . . . .		X
Spotlight, Hand . . . . .		X

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<u>OTHER OPTIONS</u>		
Speed Control, Cruise . . . . .		X
Steering Wheel, Comfortilt . . . . .	N33	
Suspension, H.D. Front and Rear (all except station wagons) . . . . .	F40	
Special Performance Front and Rear Suspension . . . . .	F41	
Two-Tone Finish (all except station wagons) . . . . .	D99	
Warmer, Interior Car . . . . .		X
Wheels, Turbine I . . . . .	PE1	
Wheel Covers, Wire . . . . .	N95	X
Wheel Trim Covers, Full . . . . .	P01	X
Windows, Rear Quarter Swing-Out (station wagons) . . . . .	A20	
 <u>FACTORY INSTALLED REGULAR PRODUCTION TIRES</u>		
E78 x 14 Bias Belted Ply Blackwall . . . . .	QEG	
E78 x 14 Bias Belted Ply Whitewall . . . . .	QEH	
G78 x 14 Bias Belted Ply Blackwall . . . . .	QGK	
G78 x 14 Bias Belted Ply Whitewall . . . . .	QGL	
G70 x 14 Bias Belted Ply White Lettered . . . . .	QGF	
H78 x 14 Bias Belted Ply Blackwall (Wagon) . . . . .	QHE	
H78 x 14 Bias Belted Ply Whitewall (Wagon) . . . . .	QHF	
GR78 x 15 Steel Belted Radial Ply Whitewall . . . . .	QGY	
HR78 x 15 Steel Belted Radial Ply Whitewall (Wagon) . . . . .	QHX	
HR70 x 15 Steel Belted Radial Ply Whitewall . . . . .	QQZ	
HR70 x 15 Steel Belted Radial Ply Blackwall . . . . .	QRY	
GR70 x 15 Steel Belted Radial Ply White Lettered (El Camino) . . . . .	QRZ	



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

# "SS" OPTION RPO Z15

## CONTENT OF EL CAMINO "SS" OPTION RPO Z15 WITH 1AD80

### MODEL AVAILABILITY

El Camino Pickup (1AD80)

### POWER TRAIN AVAILABILITY

Available with all V-8 engine/transmission/axle combinations  
(See Power Train Section for applications)

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

#### BODY – Exterior

'SS' Grille emblem

Upper body side striping – includes 'SS' fender emblem, tailgate striping and  
tailgate 'SS' emblem, two colors, black or white, keyed to body color

Body color racing mirrors, LH remote, RH manual

Delete fender 'El Camino' nameplate

#### BODY – Interior

Monte Carlo instrument cluster with black bezel

'SS' instrument panel identification

#### CHASSIS

Turbine wheels (urethane styled steel wheels), 14 x 7 with bright trim rings  
and hub caps

G70-14 bias belted white lettered tires

## CONTENT OF LAGUNA 'TYPE S-3, 1AE37

### MODEL AVAILABILITY

Laguna 'Type S-3' (1AE37)

### POWER TRAIN AVAILABILITY

Available with all V-8 engine/transmission/axle combinations  
(See Power Train Section for applications)

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

#### ● BODY – Exterior

Specific identification  
Sport stripes on front end and sides  
Rocker sill molding deleted  
Bumper guard – Front

#### ● BODY – Interior

Bench Seat  
Malibu Classic type steering wheel  
Monte Carlo instrument cluster

#### ● CHASSIS

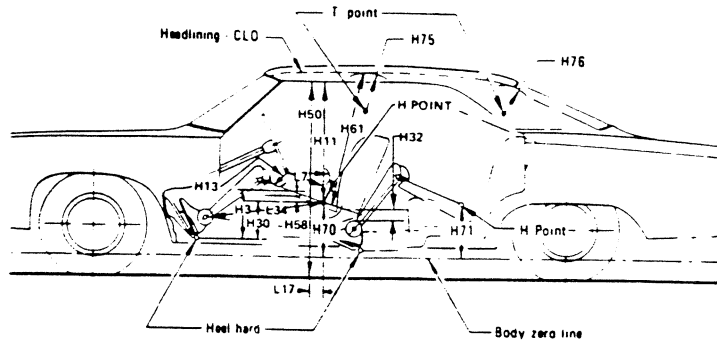
14-Inch Rally wheels with trim rings  
F41 special performance front and rear suspension  
G70 x 14 blackwall bias belted tires  
Power steering required



# DIMENSIONS AND WEIGHTS

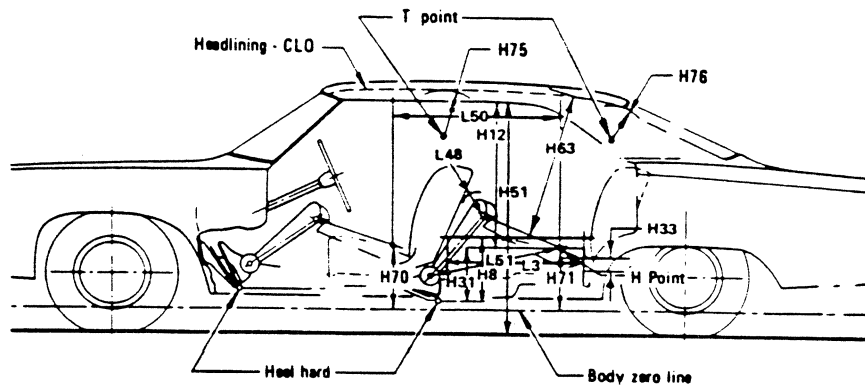
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# INTERIOR DIMENSIONS



## FRONT COMPARTMENT

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
H-3	Seat cushion height			10.9	
H11	Entrance height	31.0	30.2	31.4	30.2
H13	Steering wheel thigh clearance			3.4	
H30	H point to heel point			3.7	
H32	Seat cushion deflection			3.1	
H50	Upper body opening to ground	49.9	49.2	50.6	49.8
H58	H point rise			0.5	
H61	Effective headroom	38.3	37.7	38.8	37.6
H70	H point to body O line			13.1	
H75	Effective 'T' point headroom	38.6	37.9	38.7	37.8
W3	Shoulder room				
W5	Hip room	59.6		59.8	59.6
L7	Steering wheel torso clearance			56.0	
L17	H point travel			13.1	
L34	Effective leg room			5.2	
				42.1	



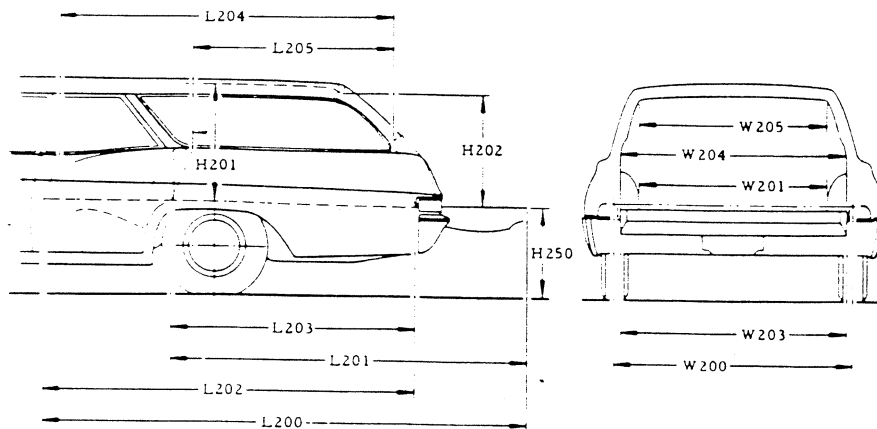
## REAR COMPARTMENT

H8	Seat cushion height	13.4	12.2	13.2	-
H12	Entrance height	31.2	-	32.5	-
H31	H point to heel point	11.0	10.1	11.3	-
H33	Seat cushion deflection	3.6	3.7	4.2	-
H51	Upper body opening to ground	48.9	-	50.3	-
H63	Effective headroom	37.5	37.0	39.4	-
H71	H point to body O line	12.4	11.5	12.7	-
H76	Effective 'T' point headroom	37.2	36.8	39.4	-
W4	Shoulder room	58.9	57.5	58.9	-
W6	Hip room	57.9	52.9	57.0	-
L3	Rear compartment room	26.7	24.2	27.3	-
L50	H point couple distance	34.6	31.0	33.1	-
L51	Effective leg room	36.9	32.9	36.8	-

## LUGGAGE COMPARTMENT

H195	Liftover height	22.0	-	-
V1	Usable luggage capacity (cu.ft.)	15.3	-	26.2

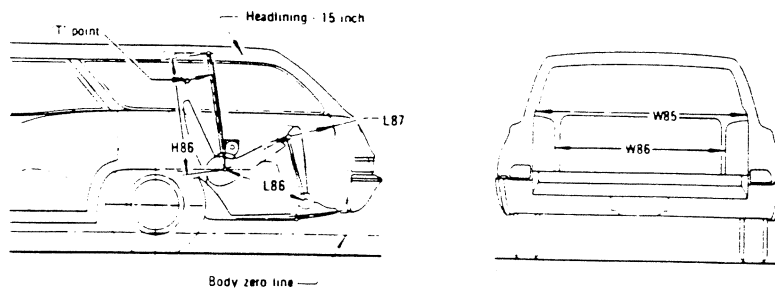
# INTERIOR DIMENSIONS



## STATION WAGON CARGO SPACE

CODE	DESCRIPTION	STATION WAGONS	SEDAN PICKUP
H201	Maximum cargo height	30.1	—
H202	Rear opening height	27.4	—
H250	Tailgate to ground height	38.2	—
W200	Cargo width-front	55.0	51.0
W201	Cargo width-wheelhouse	44.5	45.3
W203	Rear opening width at floor	61.2	57.0
W204	Rear opening width at belt	62.8	—
W205	Rear opening width above belt	49.0	—
L200	Maximum cargo length-front seat	90.2	—
L201	Maximum cargo length-second seat	53.9	—
L202	Cargo length at floor-front seat	90.2	80.8
L203	Cargo length at floor-second seat	53.9	—
L204	Cargo length at belt-front seat	82.9	71.4
L205	Cargo length at belt-second seat	48.7	—
V2	Total cargo index volume (cu.ft.)	85.0*	38.0

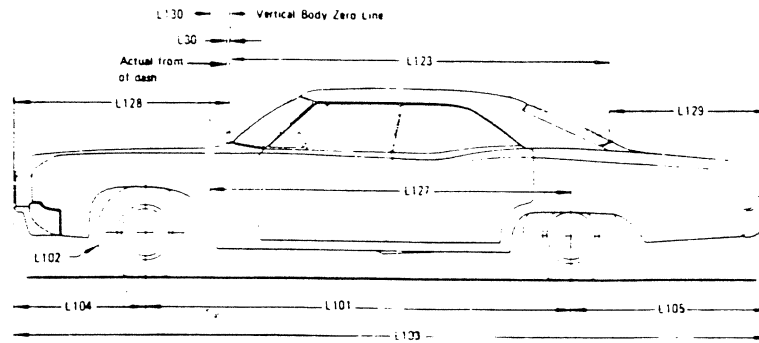
\* Concealed stowage compartment (cu.ft.) 9.8 cu. ft. 2-seat, 5.8 cu. ft. 3-seat.



## STATION WAGON THIRD SEAT

W85	Shoulder room	42.8	—
W86	Hip room	36.5	—
H86	Effective headroom	37.8	—
L86	Effective leg room	27.8	—
L87	Knee room	12.8	—

# EXTERIOR DIMENSIONS



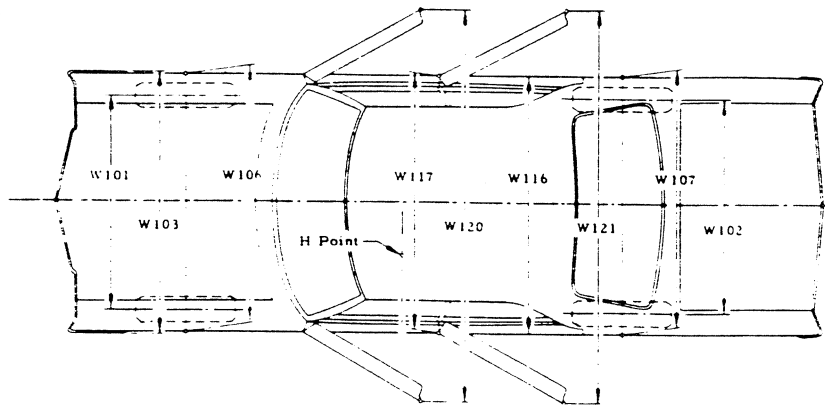
## LENGTHS

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
L101	Wheelbase	116.0	112.0	116.0	
L102	Tire size (standard)	E78-14 (a)(b)		H78-14	G78-14
L103	Overall length	209.2	205.2	215.2	
L104	Overhang, front				40.1
L105	Overhang, rear	53.2			59.1
-	Overall length - less bumpers	203.4	199.4	210.0	
L123	Body upper structure length at car center line	101.3	102.0	132.8	58.6
L127	Body O line to C/L of rear wheels	97.5	93.5	97.5	
L128	Front end length at center line	58.3			
L129	Rear end length at center line	33.5	28.8	8.0	-
L130	Body zero plane to windshield cowl point	10.5			
L30	Body O line to actual front of dash	- 0.5			

(a) Sedans & Coupes, with V8 Engine G78-14 Tire  
 (b) Laguna Type 'S3' Coupe GR70-15 Tire

● \* With Impact Strips

*	BASE MODELS			LAGUNA TYPE 'S3'
	4-DOOR	2-DOOR	WAGONS & PICKUP	2-DOOR
● L103	210.3	206.3	215.9	206.94
● L104	40.6	40.6	40.6	40.10
● L105	53.7	53.7	59.3	54.84

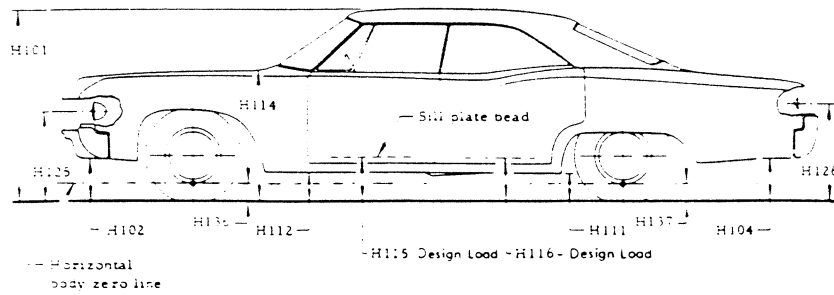


## WIDTHS

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
W101	Tread - front				61.5
W102	Tread - rear				60.7
W103	Maximum overall width of car				76.6
W106	Front fender overall width				77.3
W107	Rear fender overall width				76.8
W116	Maximum overall width of body				76.9
W117	Maximum body width at number 2 pillar	75.5	-	75.5	-
W120	Overall car width, front doors open	139.7	170.7	139.7	170.7
W121	Overall car width, rear doors open	134.7		134.7	

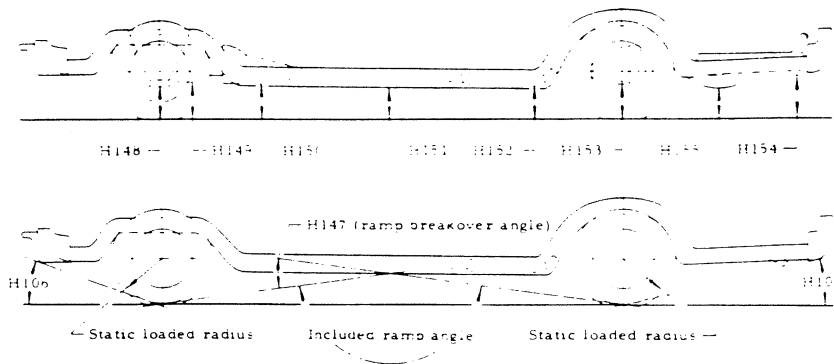


# EXTERIOR DIMENSIONS



## HEIGHTS

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
H101	Overall height (design)	53.8	53.1	55.7	53.9
H102	Front bumper to ground	11.6	12.1	12.6	
H104	Rear bumper to ground	12.0	11.9	11.3	10.6
H111	Rocker panel to ground - rear		8.2	9.4	8.9
H112	Rocker panel to ground - front		8.8	9.7	9.5
H114	Hood at rear to ground		38.8	39.7	39.5
H115	Step height - front (design)		12.7	13.7	13.4
H116	Step height - rear (design)	12.4	-	13.5	-
H125	Headlamp to ground	28.3	28.4	28.9	
H126	Tail lamp to ground	24.8	24.7	18.9	16.4
H136	Body O line to ground - front		5.9	6.6	6.5
H137	Body O line to ground - rear		5.4	6.7	6.0



## CLEARANCES

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
H106	Angle of approach (degrees)	11°13'	11°19'	11°44'	
H107	Angle of departure (degrees)	15°49'	15°41'	13°19'	12°53'
H147	Ramp breakover angle (degrees)	13°53'	14°29'	15°4'	14°22'
H148	Front suspension to ground		5.1	5.8	5.7
H149	Oil pan to ground	5.4	6.3	6.3	6.2
H150	Flywheel housing to ground		5.5	6.2	6.1
H151	Frame to ground		5.9	6.8	6.6
H152	Exhaust system to ground		5.2	6.3	5.6
H153	Rear axle to ground	6.1	6.2	7.4	6.8
H154	Fuel tank to ground		6.9	10.3	9.4
H155	Tire well to ground	-	-	8.6	-
H156	Minimum ground clearance		5.1 (a)	4.8 (a)	5.6 (b)

(a) Front suspension to ground.

(b) Exhaust system to ground.

# VEHICLE WEIGHTS

## MODEL TYPE

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1AC37	250 Cu.In. L6 (L22)	2-Door Coupe	2060	1513	3573	2039	1644	3683
1AC29	250 Cu.In. L6 (L22)	4-Door Sedan	2077	1561	3638	2056	1692	3748
1AC35	350 Cu.In. V8 (L65)	4-Door Station Wgn.	2155	2036	4191	2131	2167	4298
1AC80	350 Cu.In. V8 (L65)	2-Door Pickup	2209	1608	3817	2188	1739	3927
1AD37	250 Cu.In. L6 (L22)	2-Door Coupe	2075	1534	3609	2054	1665	3719
1AD29	250 Cu.In. L6 (L22)	4-Door Sedan	2104	1591	3695	2083	1722	3805
1AD35	350 Cu.In. V8 (L65)	4-Door Station Wgn.	2207	2076	4283	2183	2207	4390
1AD80	350 Cu.In. V8 (L65)	2-Door Pickup	2226	1606	3832	2205	1737	3942
1AE37	350 Cu.In. V8 (L65)	2-Door Coupe	2317	1634	3951	2296	1765	4061
1AG35	350 Cu.In. V8 (L65)	4-Door Station Wgn.	2214	2092	4306	2190	2223	4413

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.

## OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
C60	Air Conditioning (V8 only)		+ 92
N41	Power Steering		+ 28
J50	Power Brakes		+ 11
A31	Power Windows	1AD29, 35, 37, 1AE37, 1AG35	+ 20
		1AD80	+ 9
A42	Power Seat 6-Way Bench	1AD29, 35, 37, 1AE37, 1AG35	+ 24
AN7	Bucket Seat – Swivel	1AD37, 80, 1AE37	+ 11
AU3	Electric Door Locks	Used with 2-Door Models	+ 7
		Used with 4-Door Models	+ 15
AQ4	Station Wagon – 3rd Seat		+ 32
B37	Front and Rear Floor Mats	1AA29, 35, 37	+ 9
B37	Front Floor Mat	1AA80	+ 6
CA1	Electric – Sun Roof	1AC37, 1AD37, 1AE37	+ 46
CB1	Landau Roof Cover		+ 4
CO8	Vinyl Roof Cover	All except Station Wagons	+ 8
C51	Rear Window Air Deflector	Station Wagons	+ 6
D55	Floor Console	4-Speed Transmission	+ 8
		Turbo Hydra-matic Transmission	+ 15
PE1	Turbine I Wheels, 14 x 7 (urethane styled steel wheels)	All except Station Wagons and Pickup	+ 25
		Station Wagons and Pickup	+ 15
V55	Roof Luggage Carrier	Station Wagons	+ 20
U63	Radio AM Push Button		+ 6
U69	Radio AM/FM Push Button		+ 8
U58	Radio AM/FM Stereo		+ 15
UM1	Radio AM Push Button and Tape		+ 20
UM2	Radio AM/FM Push Button and Tape		+ 21
V30	Front and Rear Bumper Guards	All except Station Wagon and Pickup	+ 14
V30	Front Bumper Guards Only	Station Wagon and Pickup	+ 7
Base	250 Cu. In. L6 Engine	Turbo Hydra-matic Transmission	+ 13
L65	350 Cu. In. V8 Engine	Turbo Hydra-matic Transmission	+180
LM1	350 Cu.In. V8 Engine	1AC-1AD29, 37	+184
		1AC35, 1AE37	+ 34
		1AD-1AG35	+ 4
		1AC-1AD80	+ 34
LF6	400 Cu.In. V8 Engine	1AC-1AD29, 37	+240
		1AC35, 1AD80,	+ 40
		1AE37	+40
		1AD-1AG35	+ 11
LT4	400 Cu.In. V8 Engine	1AC-1AD29, 37	+255
		1AC35, 1AC-1AD80,	+ 46
		1AE37	+ 46
		1AD-1AG35	+ 15
LS4	454 Cu. In. V8 Engine	1AC-1AD37	+379
		1AE37	+227
		1AC-1AD80	+222
LS4	454 Cu. In. V8 Engine	1AC-1AD29	+421
		1AC-1AD37	+425
		1AC35	+258
		1AC80-1AD80	+268
		1AD35-1AG35	+224
		1AE37	+331



# BODY

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## EXTERIOR PAINT PROCESS

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

**EXTERIOR COLOR-VINYL ROOF COMBINATIONS**

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

# EXTERIOR-INTERIOR COLORS

## 1974 CHEVELLE AND EL CAMINO 'A' INTERIOR - EXTERIOR COLOR COMBINATIONS

Model	Seat Type	INTERIOR TRIM					
		Black					
		Cloth	Cloth	Cloth	Cloth	Sport Cloth	Perf. Vinyl with Green Seats
Carpet Color	19F*	75F*	24F*	66F*	19F	19F	
Malibu - 1AC00 Sport Sedan (29)	Bench	701	701	701	701		894
	Bucket						
Sport Coupe (37)	Bench	701	701	701	701		894
	Bucket						
Station Wagon (35)	Bench						
	Bucket						
El Camino (80)	Bench	701	701	701	701		894
	Bucket						
Laguna Type 'S3' - 1AE00 Sport Coupe (37)	Bucket	703				704	
Malibu Classic - 1AD00 Sport Sedan (29)	Bench	702	702				
	Bucket	702	702				
Sport Coupe (37)	Bench	702	702				
	Bucket	702	702				
Station Wagon (35)	Bench						
	Bucket						
El Camino Classic (80)	Bench	702	702				
	Bucket	702	702				
Malibu Classic Estate - 1AG00 Station Wagon (35)	Bench						
	Bucket						
EXTERIOR COLORS		Color Code					
White C/O	11	X	X	X	X	X	X
Black C/O	19	X	X	X	X	X	X
Medium Blue Metallic C/O	24	X	-	X	-	X	-
Bright Blue Metallic C/O	26	X	-	X	-	X	X
Dark Blue Metallic C/O	29	X	-	X	-	X	-
Bright Aqua Metallic	36	X	-	-	-	X	-
Medium Green	44	X	-	-	-	X	X
Bright Green Met.	46	X	-	-	-	X	X
Dark Green Metallic	49	X	-	-	-	X	X
Cream-Beige	50	X	-	-	-	X	X
Colonial Gold	55	X	-	-	-	X	-
Golden Brown Met.	59	X	-	-	-	X	-
Silver Taupe Met. C/O	64	X	X	X	X	X	-
Russet Orange Met.	66	X	-	-	X	X	-
Dark Taupe Metallic	69	X	-	-	-	X	-
Red Metallic	74	X	X	-	-	X	-
TWO TONE		Color Code					
Lower	Upper	Color Code					
Medium Blue Met.	White	24-11	X	-	X	-	X
Dark Blue Met.	White	29-11	X	-	X	-	X
Bright Aqua Met.	White	36-11	X	-	-	-	X
Medium Green	White	44-11	X	-	-	-	X
Dark Green Met.	White	49-11	X	-	-	-	X
Colonial Gold	White	55-11	X	-	-	-	X
Russet Orange Met.	White	66-11	X	-	-	X	X
Red Metallic	White	74-11	X	X	-	-	X

\* - Carpet selection. Obtained by specifying trim number plus Carpet RPO number: 19F - Black, 75F - Accent Red, 24F - Accent Blue, 66F - Accent Russet.

NOTE: Solid, exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified. Two Tones are not available on Wagons or on the Laguna.



# EXTERIOR-INTERIOR COLORS

## 1974 CHEVELLE AND EL CAMINO 'A' INTERIOR – EXTERIOR COLOR COMBINATIONS

Model	Seat Type	INTERIOR TRIM						
		Black						
		Perf. Vinyl	Perf. Vinyl	Perf. Vinyl	Vinyl	Vinyl	Vinyl with White Seats	Perf. Vinyl
Carpet Color	19F*	75F*	66F*	19F*	75F*	19F	19F	
Malibu – 1AC00	Sport Sedan (29)	Bench	891	891	891			
		Bucket	891	891	891			
	Sport Coupe (37)	Bench	891	891	891			
		Bucket	891	891	891			
	Station Wagon (35)	Bench	891	891	891			
		Bucket	891	891	891			
El Camino (80)	Bench	891	891	891				
	Bucket	891	891	891				
Laguna Type 'S3' – 1AE00	Sport Coupe (37)	Bucket						708
Malibu Classic – 1AD00	Sport Sedan (29)	Bench				707	707	747
		Bucket				707	707	747
	Sport Coupe (37)	Bench				707	707	747
		Bucket				707	707	747
	Station Wagon (35)	Bench				707	707	747
		Bucket				707	707	747
El Camino Classic (80)	Bench				707	707	747	
	Bucket				707	707	747	
Malibu Classic Estate – 1AG00	Station Wagon (35)	Bench				707	707	
		Bucket				707	707	
EXTERIOR COLORS		Color Code				707	707	
		White C/O	11	X	X	X	X	X
		Black C/O	19	X	X	X	X	X
		Medium Blue Metallic C/O	24	X	-	-	X	X
		Bright Blue Metallic C/O	26	X	-	-	X	X
		Dark Blue Metallic C/O	29	X	-	-	X	X
		Bright Aqua Metallic	36	X	-	-	X	X
		Medium Green	44	X	-	-	X	X
		Bright Green Met.	46	X	-	-	X	X
		Dark Green Metallic	49	X	-	-	X	X
		Cream-Beige	50	X	-	-	X	X
		Colonial Gold	55	X	-	-	X	X
		Golden Brown Met.	59	X	-	-	X	X
		Silver Taupe Met. C/O	64	X	X	-	X	X
		Russet Orange Met.	66	X	-	X	X	X
		Dark Taupe Metallic	69	X	-	-	X	X
		Red Metallic	74	X	X	-	X	X
TWO TONE		Color Code						
	Lower	Upper						
	Medium Blue Met.	White	24-11	X	-	-	X	X
	Dark Blue Met.	White	29-11	X	-	-	X	X
	Bright Aqua Met.	White	36-11	X	-	-	X	X
	Medium Green	White	44-11	X	-	-	X	X
	Dark Green Met.	White	49-11	X	-	-	X	X
	Colonial Gold	White	55-11	X	-	-	X	X
	Russet Orange Met.	White	66-11	X	-	X	X	X
	Red Metallic	White	74-11	X	X	-	X	X

\* – Carpet selection. Obtained by specifying trim number plus Carpet RPO number: 19F – Black, 75F – Accent Red, 24F – Accent Blue, 66F – Accent Russet.

NOTE: Solid exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified. Two Tones are not available on Wagons or on the Laguna.

# EXTERIOR-INTERIOR COLORS

## 1974 CHEVELLE AND EL CAMINO 'A' INTERIOR - EXTERIOR COLOR COMBINATIONS

Model	Seat Type	INTERIOR TRIM									
		Midnight Blue				Medium Green				Dark Oxblood	
		Cloth	Perf. Vinyl	Vinyl	Vinyl with White Seats	Cloth	Perf. Vinyl	Perf. Vinyl with Lt. Neut. Seats	Vinyl	Perf. Vinyl	Cloth
	Carpet Color	29F	29F	29F	29F	44F	44F	44F	44F	73F	73F
Malibu - 1AC00 Sport Sedan (29)	Bench					723	793	830			
	Bucket							830			
Sport Coupe (37)	Bench		897			723	793	830			
	Bucket							830			
Station Wagon (35)	Bench							830			
	Bucket							830			
El Camino (80)	Bench		897			723	793	830			
	Bucket							830			
Laguna Type 'S3' - 1AE00 Sport Coupe (37)	Bucket									719	720
Malibu Classic - 1AD00 Sport Sedan (29)	Bench	732			735	724			728		743
	Bucket				735			728			743
Sport Coupe (37)	Bench	732			735	724			728		743
	Bucket				735			728			743
Station Wagon (35)	Bench			735				728			
	Bucket			735				728			
El Camino Classic (80)	Bench	732			735	724			728		
	Bucket				735			728			
Malibu Classic Estate - 1AG00 Station Wagon (35)	Bench			735					728		
	Bucket			735					728		
EXTERIOR COLORS		Color Code									
White C/O	11		X	X	X	X	X	X	X	X	
Black C/O	19		X	X	X	X	X	X	X	X	
Medium Blue Metallic C/O	24		X	X							
Bright Blue Metallic C/O	26		X								
Dark Blue Metallic C/O	29		X	X							
Bright Aqua Metallic	36										
Medium Green	44					X	X	X			
Bright Green Met.	46					X	X	X			
Dark Green Metallic	49					X	X	X			
Cream-Beige	50					X	X	X			X
Colonial Gold	55										
Golden Brown Met.	59										
Silver Taupe Met. C/O	64										X
Russet Orange Met.	66										
Dark Taupe Metallic	69										
Red Metallic	74										X
TWO TONE		Color Code									
Lower	Upper										
Medium Blue Met.	White	24-11	X	X							
Dark Blue Met.	White	29-11	X	X							
Bright Aqua Met.	White	36-11									
Medium Green	White	44-11			X	X	X	X			
Dark Green Met.	White	49-11			X	X	X				
Colonial Gold	White	55-11									
Russet Orange Met.	White	66-11									
Red Metallic	White	74-11									X

\* - Carpet color. 29F - Midnight Blue, 44F - Dark Green, 73F - Dark Oxblood.

NOTE: Solid, exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified. Two Tones are not available on Wagons or on the Laguna.

1974 CHEVELLE AND EL CAMINO 'A' INTERIOR - EXTERIOR COLOR COMBINATIONS

Model		Seat Type	INTERIOR TRIM					
			Lt. Neutral			Medium Saddle		
			Cloth	Perf. Vinyl	Vinyl	Perf. Vinyl	Vinyl	Perf. Vinyl
Carpet * Color		60F	60F	60F	60F	65F	65F	65F
Malibu - 1AC00								
Sport Sedan (29)		Bench		892				
		Bucket		892				
Sport Coupe (37)		Bench		892				
		Bucket		892				
Station Wagon (35)		Bench		892				
		Bucket		892				
El Camino (80)		Bench		892				
		Bucket		892				
Laguna Type 'S3' - 1AE00								
Sport Coupe (37)		Bucket					718	731
Malibu Classic - 1AD00								
Sport Sedan (29)		Bench	722		714		740	
		Bucket			714		740	
Sport Coupe (37)		Bench	722		714		740	
		Bucket			714		740	
Station Wagon (35)		Bench			714		740	
		Bucket			714		740	
El Camino Classic (80)		Bench	722		714		740	
		Bucket			714		740	
Malibu Classic Estate - 1AG00								
Station Wagon (35)		Bench			714		740	
		Bucket			714		740	
EXTERIOR COLORS		Color Code						
White C/O		11		X		X		
Black C/O		19		X		X		X
Medium Blue Metallic C/O		24		-		-		X
Bright Blue Metallic C/O		26		-		-		-
Dark Blue Metallic C/O		29		-		-		-
Bright Aqua Metallic		36		X		X		-
Medium Green		43		X		X		-
Bright Green Metallic		46		X		X		-
Dark Green Metallic		49		X		X		-
Cream-Beige		50		X		X		X
Colonial Gold		55		X		X		X
Golden brown Metallic		59		X		X		-
Silver Taupe Metallic C/O		64		X		X		X
Russet Orange Met.		66		X		X		X
Dark Taupe Metallic		69		X		X		X
Red Metallic		74		-		-		X
TWO TONE		Color Code						
Lower	Upper	Code						
Medium Blue Met.	White	24-11		-		-		-
Dark Blue Met.	White	29-11		-		-		-
Bright Aqua Met.	White	36-11		X		X		-
Medium Green	White	44-11		X		X		-
Dark Green Met.	White	49-11		X		X		-
Colonial Gold	White	55-11		X		X		X
Russet Orange Met.	White	66-11		X		X		-
Red Metallic	White	74-11		-		-		X

\* - Carpet color. 60F - Midnight Neutral, 65F - Dark Saddle.

NOTE: Solid exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified. Two Tones are not available on Wagons or on the Laguna.

# EXTERIOR-INTERIOR COLORS

## 1974 LAGUNA EXTERIOR COLOR - INTERIOR COLOR, VINYL TOP, AND STRIPE COMBINATIONS

ITEM	EXTERIOR BODY COLOR-LOWER	EXTERIOR BODY COLOR-UPPER	(1) RPO C08 VINYL TOP COLOR	(2) BODY SIDE AND FRONT STRIPE COLOR	INTERIOR TRIM							
					703 Black Cloth	704 B/W Sport Cloth	708 Black Vinyl	719 Oxblood Vinyl	720 Oxblood Cloth	718 Saddle Vinyl	731 Saddle Cloth	
1	WA3967 White	WA3967 White	White	4533 Red Met.	X	X	X	X (*)	X (*)	-	-	-
2	WA3967 White	WA3967 White	White	4223 Golden Brown Met.	-	-	-	-	-	X	X	X
3	WA3967 White	---	Maroon	4533 Red Met.	X	X	X	X (*)	X (*)	-	-	-
4	WA3967 White	---	Med. Saddle	4223 Golden Brown Met.	-	-	-	-	-	X	X	X
5	WA848 Black	WA848 Black	Black	4533 Red Met.	X	X	X	X (*)	X (*)	-	-	-
6	WA848 Black	WA848 Black	Black	4223 Golden Brown Met.	X	X	X	-	-	X (*)	X (*)	X (*)
7	WA848 Black	WA848 Black	Black	3967 White	X	X	X	-	-	-	-	-
8	WA848 Black	---	Maroon	4533 Red Met.	X	X	X	X (*)	X (*)	-	-	-
9	WA848 Black	---	Med. Saddle	4233 Golden Brown Met.	X (*)	X	X	-	-	X	X	X
10	WA848 Black	---	White	3967 White	X	X	X	-	-	-	-	-
11	WA4533 Red Met.	WA4533 Red Met.	Maroon	3967 White	X	X	X	X (*)	X (*)	X	X	X
12	WA4533 Red Met.	---	White	3967 White	X	X	X	X (*)	X (*)	-	-	-
13	WA4533 Red Met.	---	Black	3967 White	X	X	X	X	X	-	-	-
14	WA4319 Silver Taupe Met.	WA4319 Silver Taupe Met.	Silver Taupe	4533 Red Met.	X	-	-	X (*)	X (*)	-	-	-
15	WA4319 Silver Taupe Met.	WA4319 Silver Taupe Met.	Silver Taupe	3967 White	X	X	X	-	-	-	-	-
16	WA4319 Silver Taupe Met.	---	Maroon	4533 Red Met.	X	X	X	X (*)	X (*)	-	-	-
17	WA4319 Silver Taupe Met.	---	Black	3967 White	X	X	X	-	-	-	-	-
18	WA4319 Silver Taupe Met.	---	Black	4533 Red Met.	X	X	X	X	X	-	-	-
19	WA4518 Dk. Taupe Met.	WA4518 Dk. Taupe Met.	Brown	3967 White	X	-	-	-	-	X (*)	X (*)	X (*)
20	WA4518 Dk. Taupe Met.	---	Med. Saddle	3967 White	-	-	-	-	-	X	X	X
21	WA4501 Russet Orange Met.	WA4501 Russet Orange Met.	Russet	3967 White	X	-	-	-	-	X (*)	X (*)	X (*)
22	WA4501 Russet Orange Met.	---	Med. Saddle	3967 White	-	-	-	-	-	X (*)	X (*)	X (*)
23	WA4501 Russet Orange Met.	---	Black	3967 White	X	X	X	-	-	X	X	X
24	WA4501 Russet Orange Met.	---	Black	3967 White	X	X	X	-	-	-	-	-

(1) Vinyl top is forced option until new quarter upper is available.  
 (2) Stripe color prefix is WU for urethane front end and WA for sides  
 (\*) Preferred colors for dealer introduction.

### TOTALS

6 Exterior Body Colors

7 Vinyl Top Colors

3 Stripe colors

3 Interior Colors (7 RPO's)

(3) Stripe I.D. - 11A White, 59A Golden Brown Met., 74A Red Met.

# BODY CONSTRUCTION AND GLASS AREA

## GENERAL

Type . . . . . Unisteel, with cowl, roof, underbody and body panels welded to form body shell. 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. Energy absorbing air-gap windshield pillar moldings. Safety guard door beams. Contoured windshield header. Cargo guard luggage barrier on coupe and sedan models. 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 the cowl.  
 Hood release . . . . . Internal; to left of stg. col, under inst. panel.

## VENTILATION

High level air intake for passenger compartment . . . . . with double wall plenum chamber. 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 AND WASHERS

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

## HEADLAMPS

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

## SPARE TIRE AND TOOLS

Location . . . . . Sedans and Sport Coupe, horizontal, front center of trunk floor; Station Wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored under tire.

## LIFTGATE

Type . . . . . Top hinged with fixed back window and telescopic spring loaded assist tubes.

**BODY GLASS VISIBILITY AREA**

	MODELS				
	29	1AC37	1AD & 1AE37	35	80
Windshield	1332.6	1276.6	1332.6	1276.6 ●	
Front Door Window	1101.6	1331.1	1101.6	1252.0	
Rear Door Window	758.7	--	828.9	--	
Rear Quarter Window	267.6	504.9	187.5 ●	1243.8	
Back Window	1262.9	1307.2	926.1	573.2	
Total Area (Sq. in.)	4723.4	4419.2	4102.4 ●	5433.0	3101.8 ●



# CHASSIS

FRAME AND FRONT SUSPENSION .....	2-3
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# FRAME AND FRONT SUSPENSION

## FRAME

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

### Body Mountings

Coupes . . . . . 7 each side of frame,  
10 double cushions and 4 single cushions  
Sedans . . . . . 7 each side of frame,  
12 double cushion and 2 single cushions  
Station Wagon & Pickup . . . . . 7 each side of frame,  
10 double cushion and 4 single cushions

## FRONT SUSPENSION

Description . . . . . Independent, SLA type with coil springs and concentric shock absorbers; spherical jointed steering knuckle 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 knuckle arm.

### Spindle diameters

Inner bearing . . . . . 1.2493-1.2498  
Outer bearing . . . . . .7493-.7498

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

### Wheel bearing

Type . . . . . Taper roller  
Number . . . . . Two per spindle

## SPHERICAL JOINTS

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

Upper . . . . . Teflon-cotton composite on phenolic  
Lower . . . . . Sintered iron

## SHOCK ABSORBERS

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

## STABILIZER BAR

Type . . . . . Link  
Material . . . . . HR steel  
Diameter  
Coupes, Sedans and Pickup . . . . . 0.875  
Station Wagons . . . . . 1.00

## FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) . . . . . Left  $P1 \pm 1/2$ ; Right  $P1/2 \pm 1/2$   
Caster (degrees)  
Manual steering . . . . .  $N1-1/4 \pm 1/2$   
Power steering . . . . .  $N1/4 \pm 1/2$   
Toe (Total) . . . . .  $1/16 \pm 1/16$   
Steering axis inclination (degrees) . . . . .  $9.6 @ 1^\circ$  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 spring 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/in.)	HEIGHTS	
						Free	Working (In. @ Lbs.)
334444	KB	118.38	.665	7.79	400	15.10	11.0 @ 1630
334445	KF	118.41	.665	7.79	400	15.30	11.0 @ 1710
334446	KJ	128.94	.668	8.49	365	16.03	11.0 @ 1825
334447	KT	128.96	.668	8.49	365	16.23	11.0 @ 1900
334450	KU	132.09	.674	8.69	365	16.44	11.0 @ 1975
334451	KV	133.68	.677	8.79	365	16.64	11.0 @ 2050
334452	KW	135.26	.679	8.89	365	16.85	11.0 @ 2125
334453	KX	138.40	.685	9.09	365	17.06	11.0 @ 2200
334488	EM	128.91	.668	8.49	365	15.82	11.0 @ 1750
3988116	BH	146.09	.698	9.82	365	17.26	11.0 @ 2275
3988125	BT	146.63	.716	9.82	400	17.10	11.0 @ 2430
3988126	BW	148.23	.719	9.92	400	17.30	11.0 @ 2510
3988129	BU	112.46	.670	7.62	440	15.07	11.0 @ 1780
3988130	DT	124.95	.696	8.42	440	15.28	11.0 @ 1870
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
3988137	JX	144.01	.730	9.62	440	16.71	11.0 @ 2500
6262425	DH	126.23	.680	8.29	400	15.70	11.0 @ 1870
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
6272855	HE	137.32	.700	8.99	400	16.90	11.0 @ 2350
6272862	HH	118.44	.665	7.79	400	15.50	11.0 @ 1790

# STEERING, DRIVELINE, WHEELS AND TIRES

## STEERING

Wheel	
Type	Oval with center shroud
Diameter	15.25 x 14.75
Optional	Tilt
Column	Energy absorbing - mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions
Gear Type	
Manual (Standard)	Recirculating ball nut
Power (Optional)	Integral, recirculating ball nut with hydraulic pressure provided from a vane type pump.
Ratios, Gear	
Manual	28.0:1
Power	
Except Pickups	16.0:1 on center to 13.0:1
Pickups	15.0:1 on center to 13.0:1
Ratios, Overall	
Manual	32.8:1 on center to 34.7:1
Power	
Except Station Wagons & Pickups	17.6:1 on center to 14.3:1
Station Wagons	18.7:1 on center to 16.1:1
Pickups	16.5:1 on center to 14.3:1
Number of wheel turns, lock to lock	
Manual	6.64
Power	
Except St. Wagns. & Pickups	3.10
Station Wagons	3.28
Pickups	2.96
Linkage	Parallelogram, front of wheels; hydraulic damper used on relay rod
Turning Diameters	
Outside front, wall to wall	
Except Station Wagons	42.84
Station Wagons	42.64
Outside front, curb to curb	
Except Station Wagons	39.68
Station Wagons	39.49

## 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

Type	Short spoke spider
Size & Offset	
Except Laguna Type S-3	14 x 6 - .050
Laguna Type S-3	15 x 7 - .034
Attachment to Hub	
Type	5 hex nuts
Thread size	7/16-20 UNF 2-B
Boit circle diameter	4.75

## TIRES, STANDARD EQUIPMENT

Coupes & Sedans (L6 engine)	
E78 x 14B - Bias belted	
Static loaded radius	12.02
Loaded rev/mi @ 45 mph	796
Capacity @ 24 psi	1190
Coupes, Sedans & Pickups (V8 engine) except Laguna	
G78 x 14 B - Bias belted	
Static loaded radius	12.40
Loaded rev/mi @ 45 mph	772
Capacity @ 24 psi	1380
Laguna Type S-3	
● G70 x 14B - Bias belted	
Static loaded radius	12.31
Loaded rev/mi @ 45 mph	777
Capacity @ 24 psi	1310
Station Wagons	
H78 x 14B - Bias belted	
Static loaded radius	12.69
Loaded rev/mi @ 45 mph	752
Capacity @ 24 psi	1510

## TIRES, OPTIONAL EQUIPMENT

Coupes & Sedans except Laguna Type S-3	
G70 x 14B - Bias belted	
GR70 x 15B - Steel belted radial	
GR78 x 15B - Steel belted radial	
Laguna Type S-3	
● GR70 x 15B - Steel belted radial	
HR70 x 15B - Steel belted radial	
Station Wagons	
HR78 x 15B - Steel belted radial	
HR70 x 15B - Steel belted radial	

# REAR AXLE AND SUSPENSION

## REAR AXLE

Description	Semi-floating axle shafts housing consists of two welded tubes pressed into crossbore of cast iron carrier. Carrier contains an overhung hypoid drive pinion and supported by two taper roller bearings.
Drive pinion vertical offset	1.50
Hypoid gear PD (see Power Trains section, page 2 for application)	
2.73, 3.08, 3.42	8.50
2.73, 3.08, 3.42	8.875
Pinion bearing adjustment	Shim
Lubricant	
Type	Military Spec. MIL-L-2105-B
Viscosity	SAE 80
Capacity (pts)	
8.50 hypoid gear	4.25
8.875 hypoid gear	4.90

## AXLE SHAFT

Type	Forged with 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

### 8.50 Ring Gear

(See Power Train Section for application)

2.73	41.15
3.08	40.13
3.42	41.12
8.875 (See Power Trains)	
2.73	41.15
3.42	41.12
3.08	40.13

## POSITRACTION DIFFERENTIAL (See Power Trains)

Type Multiple disc clutches

## 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

Coupes and Sedans	8.67
Station Wagons and Pickups	8.10

#### Jounce

Coupes and Sedans	3.80
Station Wagons and Pickups	3.00

#### Rebound

Coupes and Sedans	4.87
Station Wagons and Pickups	5.10

Wheel to spring travel ratio 0.97:1

## SHOCK ABSORBERS

Type Direct, double-acting, hydraulic; air booster type for Sedan Pickup.

Piston diameter 1.00

# REAR AXLE AND SUSPENSION

## 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	Assy. No.	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs./inch)	HEIGHTS	
						Free	Working (In. @ Lbs.)
485686	TW	98.5	.612	5.58	175	14.29	10.0 @ 750
485687	TG	103.5	.622	5.82	175	14.57	10.0 @ 800
485688	TH	106.1	.627	5.93	175	14.86	10.0 @ 850
485689	WL	106.1	.627	5.93	175	15.14	10.0 @ 900
485706	SC	97.1	.558	5.56	125	14.80	10.0 @ 600
485707	KJ	100.9	.565	5.73	125	15.20	10.0 @ 650
485719	TU	101.5	.533	6.12	115	15.65	10.0 @ 650
485720	TE	105.8	.540	6.33	115	16.09	10.0 @ 700
485721	TF	110.8	.548	6.59	115	16.52	10.0 @ 750
485722	ZX	115.3	.555	6.82	115	16.96	10.0 @ 800
485723	ZY	118.0	.559	6.95	115	17.39	10.0 @ 850
485736	TA	99.8	.558	6.01	140	15.00	10.0 @ 700
485737	ZZ	107.8	.572	6.41	140	15.36	10.0 @ 750
485738	WV	107.8	.572	6.41	140	15.71	10.0 @ 800
485739	WV	112.0	.579	6.62	140	16.07	10.0 @ 850
487391	KK	98.3	.577	5.60	140	14.64	10.0 @ 650

# BRAKES

		Coupes, Sedans & Pickup	Station Wagons	
General	Type	Manual – Standard Power Assisted – Optional	Power Assisted – Standard	
	System	Dual circuit hydraulic system with warning lights 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	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	11.0 x 2	
	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	8.95 x 2.0 x 0.25
		Secondary	9.84 x 2.0 x 0.30	11.59 x 2.0 x 0.29
	Lining area (sq. in.)	69.68	81.64	
	Effective area (sq. in.)	66.58	73.96	
	Swept area (sq. in.)	119.40	138.20	
Piston diameter	0.875	.938		
Apply System	Master cylinder diameter	1.00	1.00	
	Piston travel	Manual 1.61; Power 1.46	1.46	
	Pedal travel	Manual 8.90; Power 4.56	4.56	
	Pedal ratio	Manual 6.3:1; Power 3.1:1	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 lamp provided		
	Control	Pendulum foot pedal; released by 'T' handle located on instrument panel left of steering wheel.		
	Total effective area	66.58	73.96	

# BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Automatic transmission quadrant	Column 1-168	3
Back-up	2-1156	32
Brake warning - alarm	1-168	3
Courtesy - instrument panel	2-631	6
Directional signal indicators	1-168	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 (all exc. Laguna Type S-3)		
Park	2-1157	3
Turn		32
Parking (Laguna Type S-3)		
Park	2-1157 NA	2
Turn		24
Radio dial RPO U63 and/or U69	1-1816	3
Radio dial and indicator	1-1816 (dial)	3-dial
RPO U58	1-66 (indicator)	1-indicator
Radio dial and indicator	1-564 (dial)	2-dial
RPO UM1 and/or UM2	1-66 (indicator)	1-indicator
Seat belt warning	1-168	3
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Station wagon and gate ajar indicator	1-168	3
Tail		
Tail	2-1157	3
Stop and turn		32
Temperature indicator	1-168	3
Underhood	1-93	15
W/S washer and light	1-168	2

# FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
Auto. trans. quadrant lamp	25 amp fuse	Fuse panel (h)
Back-up lamps	4 amp fuse	Fuse panel (f)
Cigarette lighter	20 amp fuse	Fuse panel (b)
Clock	20 amp fuse	Fuse panel (e)
Courtesy lamps	20 amp fuse	Fuse panel (e)
Defogging unit	10 amp fuse	Fuse panel (e)
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 (e)
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 (e)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (e)
Override relay	10 amp fuse	Fuse panel (e)
Brake indicator lamp	10 amp fuse	Fuse panel (e)
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 lamp	10 amp fuse	Fuse panel (e)
Seat belt warning buzzer	10 amp fuse	Fuse panel (e)
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 (e)
● Starter interlocking	10 amp fuse	Fuse panel (e)
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 (e)
● Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Transmission downshaft	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

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# POWER TRAINS

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# POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*		RING GEAR
			STAND.	TRAILER	
Turbo Thrift 250 250 Cubic Inch L-6 Standard-All states	3-Speed (2.85:1 low)	Malibu Sedans & Coupes	3.08:1		8.50
	Turbo Hydra-matic				
Turbo Fire 350 350 Cubic Inch V-8 RPO L65-Not Avail in California	3-Speed (2.54:1 low)	Sedans, Coupes & Pickups	3.08:1		8.50
	Turbo Hydra-matic		2.73:1	3.42:1	
	3-Speed (2.54:1 low)	Station Wagons	3.42:1		8.875
	Turbo Hydra-matic		3.08:1	3.42:1	
Turbo Fire 350 350 Cubic Inch V-8 RPO LM1 - California Only	3-Speed (2.54:1 low)	Sedans, Coupes & Pickups	3.08:1		8.50
	Turbo Hydra-matic		2.73:1	3.42:1	
	3-Speed (2.54:1 low)(a)	Station Wagons	3.42:1		8.875
	Turbo Hydra-matic		3.08:1	3.42:1	
Turbo-Fire 400 400 Cubic Inch V-8 RPO LF6-Not Avail in California	Turbo Hydra-matic	Coupes, Sedans & Pickups	2.73:1	3.42:1	8.50
		Station Wagons	3.08:1	3.42:1	8.875
Turbo-Fire 400 400 Cubic Inch V-8 RPO LT4 - California Only	Turbo Hydra-matic	Coupes, Sedans & Pickups	2.73:1	3.42:1	8.50
		Station Wagons	3.08:1	3.42:1	8.875
Turbo Jet 454 454 Cubic Inch V-8 RPO LS4-All states	4-Speed (2.20:1 low)	Coupes & Pickups	3.42:1		8.50
	Turbo Hydra-matic	Coupes, Sedans & Pickups	2.73:1	3.42:1	
		Station Wagons	2.73:1	3.42:1	8.875

\* Positraction axles available optionally; same ratios available with Air Conditioning (V-8 engines only)  
(a) Malibu Station Wagon only.

## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSION

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
250 Cu.In. L-6 Standard - (Malibu Sedan & Coupes)	Single Barrel	3-Speed	8.78	5.17	3.08		4.09	3.08
350 Cu.In. V-8 RPO L65 & LM1 (All Models except Station Wagons)	2-Barrel (L65) 4-Barrel (LM1)	3-Speed	7.82	4.62	3.08		8.10	3.08
350 Cu.In. V-8 RPO L65 & LM1 (Station Wagons Only)	2-Barrel (L65) 4-Barrel (LM1)	3-Speed	8.68	5.13	3.42		8.99	3.42
454 Cu.In. V-8 RPO LS4 (All Models)	4-Barrel	4-Speed	7.52	5.60	4.34	3.42	7.73	3.42

### WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
250 Cu.In. L-6 Standard - (Malibu Sedans & Coupes)	Turbo Hydra-matic	Drive	15.52:1 - 3.08:1	3.08:1
		Low	15.52:1 - 7.76:1	
		Second	15.52:1 - 4.68:1	
		Reverse	11.89:1 - 5.94:1	
350 Cu.In. V-8 RPO L65 & LM1 (All models except Station Wagons)	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	
350 Cu.In. V-8 RPO L65 & LM1 (Station Wagons only)	Turbo Hydra-matic	Drive	15.52:1 - 3.08:1	3.08:1
		Low	15.52:1 - 7.76:1	
		Second	15.52:1 - 4.68:1	
		Reverse	11.89:1 - 5.94:1	
400 Cu.In. V-8 RPO LF6 & LT4 (All models except Station Wagons)	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. V8 RPO LF6 & LT4 (Station Wagons only)	Turbo Hydra-matic	Drive	15.52:1 - 3.08:1	3.08:1
		Low	15.52:1 - 7.76:1	
		Second	15.52:1 - 4.68:1	
		Reverse	11.89:1 - 5.94:1	
454 Cu.In. V-8 RPO LS4	Turbo Hydra-matic	Drive	14.22:1 - 2.73:1	2.73:1
		Low	14.22:1 - 6.77:1	
		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	L-6 OHV	V8-OHV				
Piston Displacement (Cu.In.)	250	V8-350		V8-400		V8-454
Availability	Standard	L65	LM1	LT6	LT4	LS4
Number of Cylinders	Six	Eight				
Bore (nominal)	3.575	4.00		4.126		4.251
Stroke (nominal)	3.53	3.48		3.75		4.00
Compression Ratio	8.25:1	8.5:1		8.5:1		8.25:1
Taxable (SAE) Horsepower	36.0	51.2		54.5		57.8
Firing Order	1-5-3-6-2-4			1-8-4-3-6-5-7-2		
Idling Speed	3-Speed & 4-Speed (in neutral)	850		900		800
	Turbo Hydra-matic (in drive)			800		
Comp. Press. (PSI) @ Cranking Speed, Engine Hot	130	160				
Power Plant	Front	Two, preloaded captive cushion type				
Mountings	Rear	One: full shear type				
Measurements	Plan to rear of engine block	35.27		31.55		33.97
	Top of air cleaner to bottom of oil pan	27.76	29.60	28.52	28.52	29.60
	Width - including air cleaner	30.68	28.53		33.31	

## ADVERTISED ENGINE RATING

Engine Designation	Turbo-Thrift 250 L6	Turbo-Fire 350 V8	Turbo-Fire 350 V8	Turbo-Fire 400 V8	Turbo-Fire 400 V8	Turbo-Jet 454 V8
Availability	L22 (Std.)	RPO L65	RPO LM1	RPO LT6	RPO LT4	RPO LS4
Carburetor	Single Bbl.	Two Bbl.	Four Bbl.	Two Bbl.	Four Bbl.	Four Bbl.
Net Brake HP @ RPM	100 @ 3600	145 @ 3800	160 @ 3800	150 @ 3200	180 @ 3800	235 @ 4000
Net Torque @ RPM (lb-ft)	175 @ 1800	250 @ 2200	250 @ 2400	295 @ 2000	290 @ 2400	360 @ 2800

# ENGINE SPEED AND PISTON TRAVEL

## TURBO-THRIFT 250 L-6 ENGINE

Model Availability	Malibu & Malibu Classic - Coupes & Sedans	
Transmission	3-Speed	Turbo Hydra-matic
Rear Axle Ratio	3.08:1	
Tire Size	1.75 x 14B	
Crankshaft Revolutions per Mile	2451.7	
Crankshaft RPM @ 1 MPH	Low	116.5
	Second	68.6
	Third	40.9
	Reverse	120.5
Piston Travel (ft./mile)	1442.4	

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

Model Availability	Malibu & Malibu Classic Coupes & Sedans El Camino Pickup		Laguna Type 'S3' Coupe ●		Station Wagons		
	3-Speed	Trb/Hyd	3-Speed	Trb/Hyd	3-Speed	Trb/Hyd	
Transmission	3.08:1	2.73:1	3.08:1	2.73:1	3.42:1	3.08:1	
Rear Axle Ratio	G78 x 14B		G70 x 14B		H78 x 14B		
Tire Size	2377.8	2107.6	2393.2	2121.2	2571.8	2316.2	
Crankshaft Revolutions per Mile	Crankshaft RPM @ 1 MPH	Low	100.7	88.5	101.3	89.9	
Low		Second	59.4	53.3	64.8	53.7	64.3
		Third	39.6	35.1	39.9	35.4	42.9
		Reverse	104.2	67.8	104.9	68.2	112.7
Piston Travel (ft./mile)	1379.1	1222.4	1357.7	1203.4	1491.7	1343.4	

## TURBO-FIRE V-8 ENGINE (400 CU.IN. RPO LF6 & LT4)

Model Availability	Malibu & Malibu Classic Coupes & Sedans El Camino Pickup		Laguna Type 'S3' Coupe ●	Station Wagons	
			Turbo Hydra-matic		
Transmission	2.73:1		3.08:1		
Rear Axle Ratio	G78 x 14B		G70 x 14B	H78 x 14B	
Tire Size	2107.6		2121.2	2316.2	
Crankshaft Revolutions per Mile	Crankshaft RPM @ 1 MPH	Low	88.5	89.9	
Low		Second	53.3	53.7	58.7
		Third	35.1 (direct)	35.4 (direct)	38.6 (direct)
		Reverse	67.8	68.2	74.5
Piston Travel (ft./mile)	1317.2	1296.7		1447.6	

## TURBO-JET 454 V-8 ENGINE

Model Availability	Malibu & Malibu Classic Coupes & Sedans El Camino Pickup		Laguna Type 'S3' Coupe ●		Station Wagons
	4-Speed	Trb/Hyd	4-Speed	Trb/Hyd	Turbo Hydra-matic
Transmission	3.42:1	2.73:1	3.42:1	2.73:1	2.73:1
Rear Axle Ratio	G78 x 14B		G70 x 14B		H78 x 14B
Tire Size	2640.2	2107.6	2657.3	2121.2	2053.0
Crankshaft Revolutions per Mile	Crankshaft RPM @ 1 MPH	Low	96.8	87.1	77.4
Low		Second	72.2	52.0	72.6
		Third	55.9	35.1	56.2
		Fourth	44.0		44.3
		Reverse	99.4	73.1	100.1
Piston Travel (ft./mile)	1760.1	1405.0	1722.7	1383.2	1368.6

# VEHICLE PERFORMANCE FACTORS

ENGINE	250 CU.IN. 100 HP	350 CU.IN. 145 HP	400 CU.IN. 150 HP	400 CU.IN. 180 HP	454 CU.IN. 235 HP
MODEL	1AC29	1AD29	1AD37	1AE37	1AE37

## 3-SPEED TRANSMISSION

Performance Weight (pounds)	4348	4555			
Pounds per Net Horsepower	43.48	31.41			
Pounds per Cu.In. Displacement	17.39	13.01			
Net HP per Cu.In. Displacement	.400	.414			
Power Displacement (cu.ft./mile)	177.35	240.80			
Displacement Factor (cu.ft./ton mile)	81.72	105.61			

## 4-SPEED TRANSMISSION

Performance Weight (pounds)					4888
Pounds per Net Horsepower					20.80
Pounds per Cu.In. Displacement					10.77
Net HP per Cu.In. Displacement					.517
Power Displacement (cu.ft./mile)					3490.8 ●
Displacement Factor (cu.ft./ton mile)					143.07 ●

## TURBO HYDRA-MATIC

Performance Weight (pounds)	4361	4585	4499	5069	4974
Pounds per Net Horsepower	43.61	31.62	29.99	28.16	21.16
Pounds per Cu.In. Displacement	17.44	13.10	12.85	12.67	10.96
Net HP per Cu.In. Displacement	.400	.414	.375	.450	.517
Power Displacement (cu.ft./mile)	177.35	213.43	243.93	245.51 ●	278.65 ●
Displacement Factor (cu.ft./ton mile)	81.35	93.20	108.41	97.04 ●	111.91 ●

## 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
  - L6-250 Cu.In. . . . . 3.8745-3.8775
  - V8-350 Cu.In. . . . . 3.9995-4.0025
  - V8-400 Cu.In. . . . . 4.1245-4.1275
  - V8-454 Cu.In. . . . . 4.2500-4.2520
- Bearing Caps (Number, material & attachment)
  - L6-250 Cu.In. . . . . 7, cast iron, 2-bolt
  - V8-350 & 400 Cu.In. . . . . 5, cast iron, 2-bolt
  - V8-454 Cu.In. . . . . 5, cast iron, 2-bolt
- Water Jacket . . . . . Full length around each cylinder
- Bore Spacing (Centerline to Centerline)
  - L6-250 Cu.In. . . . . 4.4
  - V8-350 & 400 Cu.In. . . . . 4.4
  - V8-454 Cu.In. . . . . 4.84

## CYLINDER HEAD

- Material . . . . . High chrome cast alloy iron
- Bolt No. & Size
  - L6-250 Cu.In. . . . . 10; .500 dia. 13 threads/in.
  - V8-350 & 400 Cu.In. . . . . 34; .4375 dia. 14 threads/in.
  - V8-454 Cu.In. . . . . 32; .4375 dia. 14 threads/in.

## COMBUSTION CHAMBER VOLUME

- (Total chamber volume of assembled engine with piston at top center)
- L6-250 Cu.In. . . . . 5.93 Cu.In.
- V8-350 Cu.In. . . . . 5.89 Cu.In.
- V8-400 Cu.In. . . . . 6.78 Cu.In.
- V8-454 Cu.In. . . . . 8.07 Cu.In.

## INLET MANIFOLD

- Material . . . . . Cast alloy iron
- Type
  - L6 engine . . . . . 3 port, rectangular section
  - V8 engines . . . . . 8 port, double deck

## EXHAUST MANIFOLD

- Material . . . . . Cast alloy iron
- Type
  - L6-250 Cu.In. . . . . 4 port, center downtake
  - V8-350 & 400 Cu.In. . . . . Dual, 4 port, rear downtake
  - V8-454 Cu.In. . . . . Dual, 4 port, rear downtake
- Outlet Diameter
  - L6-250, V8-350 & 400 Cu.In. . . . . 2.0
  - V8-454 Cu.In. . . . . 2.5

## CRANKSHAFT

- Material . . . . . Cast nodular iron
- End Play
  - L6-250 Cu.In. . . . . .002-.006
  - V8-350 & 400 Cu.In. . . . . .002-.007
  - V8-454 Cu.In. . . . . .006-.010
- Counter Weights
  - L6-250 Cu.In. . . . . 12
  - V8-350, 400 & 454 Cu.In. . . . . 6
- Crank Arm Length
  - L6-250 Cu.In. . . . . 1.765
  - 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
  - L6 . . . . . Steel; helical cut
  - V8 . . . . . Steel; sprocket & chain
- Pulley Pitch Diameter . . . . . 6.64

## MAIN BEARINGS

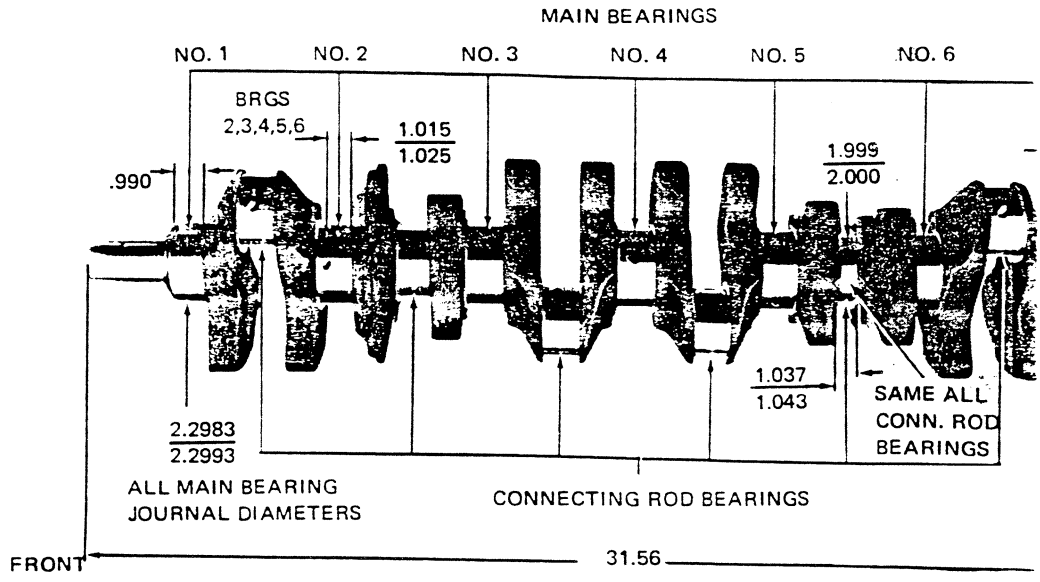
- Material . . . . . Steel backed insert; (copper lead alloy or premium aluminum lining selected for specific engine application)
- Type . . . . . Precision removable
- Thrust Against Bearing No. . . . . L6-No. 7; V8-No. 5
- Clearance
  - L6-250 Cu.In. . . . . .0003-.0029
  - V8-350 & 400 Cu.In. . . . . (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
<b>L6-250 Cu.In.</b>			
Bearing No. 1-6	2.3004	.752	1.7299
Bearing No. 7	2.3004	.760	1.7483
<b>V8-350 Cu.In.</b>			
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.180	2.8919
<b>V8-400 Cu.In.</b>			
Bearing No. 1-4	2.6503	.752	1.9930
Bearing No. 5	2.6509	1.181	3.1307
<b>V8-454 Cu.In.</b>			
Bearing No. 1	2.7499	.992	2.7279
Bearing No. 2-4	2.7504	.992	2.7284
Bearing No. 5	2.7505	1.256	3.4535

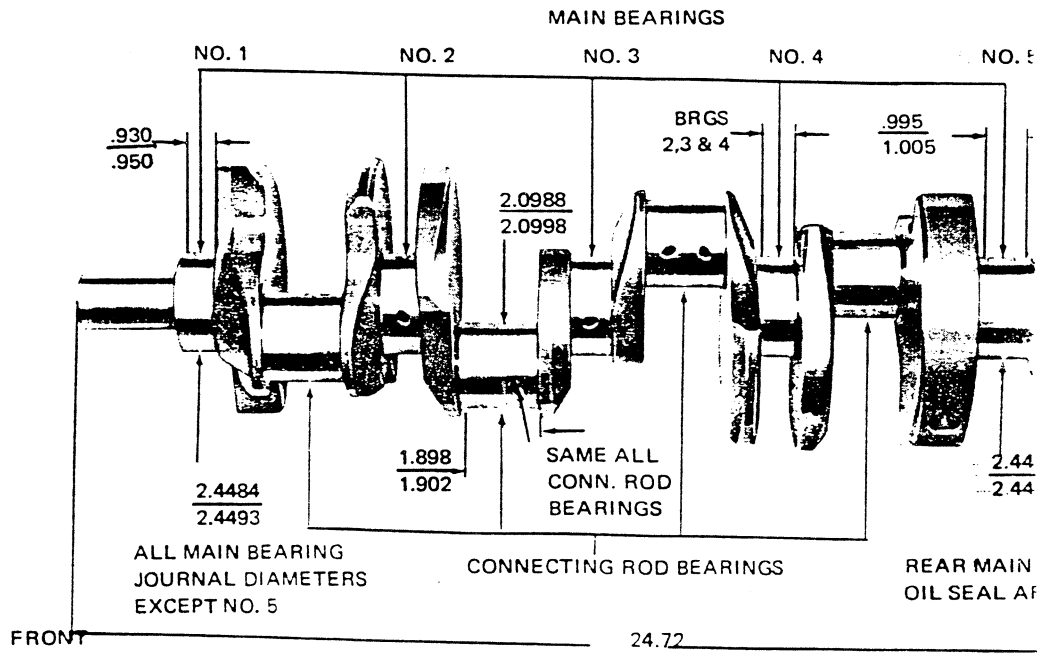
# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

### 250 CUBIC INCH SIX CYLINDER ENGINE



### 350 CUBIC INCH V-8 ENGINES





# PRINCIPAL COMPONENTS

## CAMSHAFT

- Material . . . . . Cast alloy iron
- Drive
  - L6 . . . . . Gear: bakelite and fabric composition
  - V8 . . . . . Sprocket & chain: steel
- Lobe Lift
  - Manual Trans.-all states & auto. trans in Calif.
    - L6-250 Cu.In. . . . . .2217 Inlet; .2315 Exhaust
  - Auto. Trans.-all states except Calif.
    - L6-250 Cu.In. . . . . .2217 Inlet & Exhaust
  - 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
- Camshaft Bearing . . . . . Steel backed babbit

## VALVE TRAIN

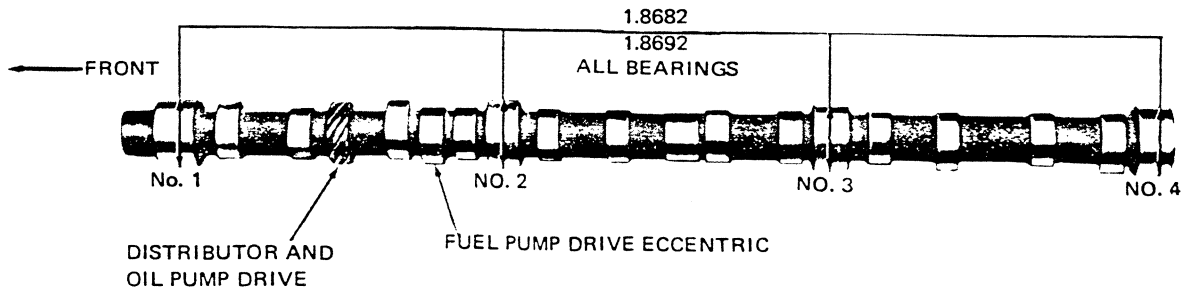
- Type . . . . . Individually mounted, overhead rocker arms, push rod actuated
- Rocker Arms . . . . . Stamped steel
- Ratio
  - L6-250 Cu.In. . . . . . 1.75:1
  - V8-350 & 400 Cu.In. . . . . 1.50:1
  - V8-454 Cu.In. . . . . . 1.70:1
- Push Rods
  - Type . . . . . Hollow steel
  - Ends
    - L6, V8-350 & 400 Cu.In. . . . . Hardened
    - V8-454 Cu.In. . . . . . Hardened steel inserts
- Rotators (V8-350, 400 & 454) . . . . . Exhaust

## VALVE SPRINGS

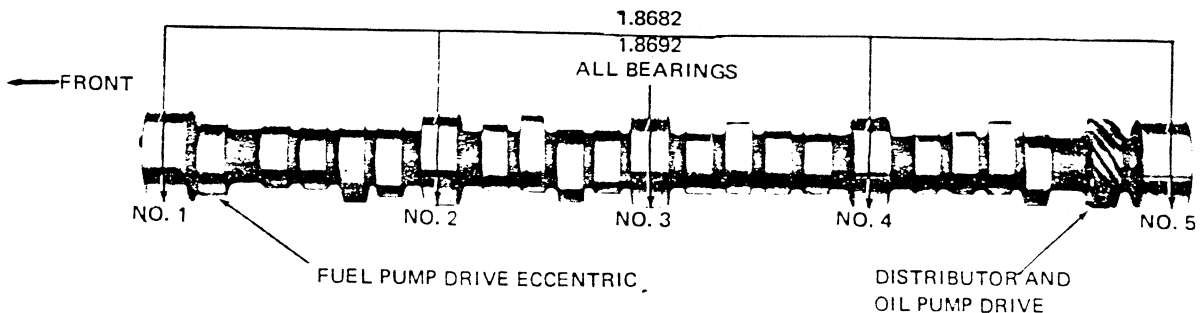
- Diameter
  - L6-250 Cu.In. . . . . .872-.888
  - V8-350 & 400 Cu.In. . . . . .868-.884
  - V8-454 Cu.In. . . . . .1.082-1.098
- Installed Length (lb. @ in.)
  - Valves closed
    - L6-250 Cu.In. . . . . . 56-64 @ 1.66
    - V8-350 & 400 Cu.In.
      - Inlet . . . . . 76-84 @ 1.70
      - Exhaust . . . . . 76-84 @ 1.61
    - V8-454 Cu.In. . . . . . 74-86 @ 1.88
  - Valves opened
    - L6-250 Cu.In. . . . . . 180-192 @ 1.27
    - V8-350 & 400 Cu.In.
      - Inlet . . . . . 194-206 @ 1.25
      - Exhaust . . . . . 194-206 @ 1.16
    - V8-454 Cu.In. . . . . . 288-312 @ 1.38
- Free Length
  - L6-250 Cu.In. . . . . . 1.90
  - V8-350 & 400 Cu.In. . . . . 2.03
  - V8-454 Cu.In. . . . . . 2.09
- Valve Spring Damper
  - L6-250 Cu.In. . . . . . None
  - V8-350 & 400 Cu.In. . . . . Flat steel, 4 coils
  - V8-454 Cu.In. . . . . . Flat steel, 4 coils

## CAMSHAFT AND BEARINGS

### 250 CUBIC INCH L-6 ENGINE



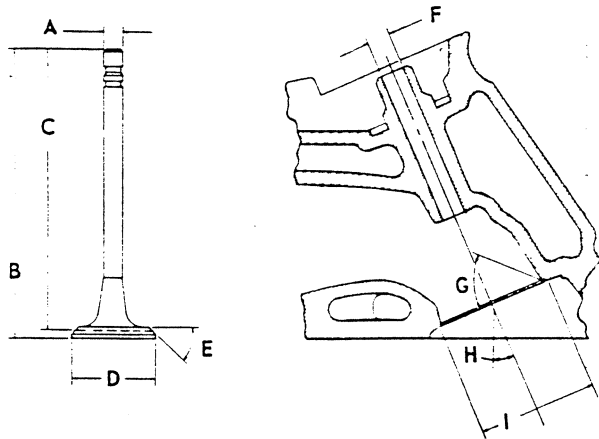
### 350 CUBIC INCH V-8 ENGINES



# PRINCIPAL COMPONENTS

## INLET VALVES

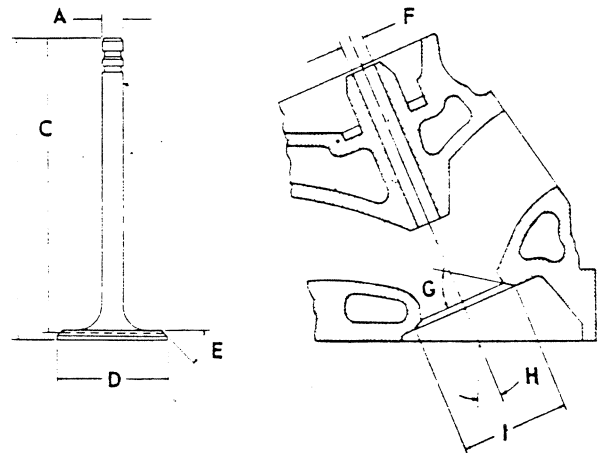
Material	Alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 Cu.In.	None
V8-400 Cu.In.	Aluminized face
V8-454 Cu.In.	Face and head aluminized
All Stems	Chrome flash
Valve Guide Inserts (V8-454)	Cast alloy iron



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-350 & 400 Cu.In.	.3410-.3417
V8-454 Cu.In.	.3715-.3722
B - Overall Length	
L6-250 Cu.In.	4.902-4.922
V8-350 & 400 Cu.In.	4.870-4.889
V8-454 Cu.In.	5.215-5.235
C - Gage Length	
L6-250 Cu.In.	4.785-4.795
V8-350 & 400 Cu.In.	4.785-4.795
V8-454 Cu.In.	5.115-5.125
D - Overall Head Diameter	
L6-250 Cu.In.	1.715-1.725
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	
L6-250 Cu.In.	.3427-.3437
V8-350 & 400 Cu.In.	.3427-.3437
V8-454 Cu.In.	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-350 & 400 Cu.In.	23°
V8-454 Cu.In.	4°
I - Valve Seat (cutter) Diameter	
L6-250 Cu.In.	1.591-1.597
V8-350 & 400 Cu.In.	1.823-1.829
V8-454 Cu.In.	1.962-1.968

## EXHAUST VALVES

Material	High alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 & 400 Cu.In.	Aluminized face
V8-454 Cu.In.	Face and head aluminized
All Stems	Chrome flash
Valve Guide Inserts (V8-454)	Cast alloy iron



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-350 & 400 Cu.In.	.3410-.3417
V8-454 Cu.In.	.3713-.3720
B - Overall Length	
L6-250 Cu.In.	4.913-4.933
V8-350 & 400 Cu.In.	4.913-4.933
V8-454 Cu.In.	5.345-5.365
C - Gage Length	
L6-250 Cu.In.	4.781-4.791
V8-350 & 400 Cu.In.	4.781-4.791
V8-454 Cu.In.	5.235-5.245
D - Overall Head Diameter	
L6-250 Cu.In.	1.495-1.505
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	
L6-250 Cu.In.	.3427-.3437
V8-350 & 400 Cu.In.	.3427-.3437
V8-454 Cu.In.	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-350 & 400 Cu.In.	23°
V8-454 Cu.In.	4°
I - Valve Seat (cutter) Diameter	
L6-250 Cu.In.	1.321-1.327
V8-350 & 400 Cu.In.	1.321-1.327
V8-454 Cu.In.	1.583-1.589

## VALVE LIFT

Manual Trans.-all states & auto. trans. in California	
L6-250 Cu.In. . . . .	.3880 Inlet; .4051 Exhaust
Auto. Trans.-all states except California	
L6-250 Cu.In. . . . .	.3880 Inlet & Exhaust
All states except California	
V8-350 & 400 Cu.In. . . . .	.3900 Inlet; .4100 Exhaust
California only	
V8-350 & 400 Cu.In. . . . .	.4006 Inlet; .4100 Exhaust
V8-454 Cu.In. (all states) . . . . .	.4400 Inlet & Exhaust

## VALVE TIMING (Crankshaft Degrees - Excluding Ramps)

L6-250 Cu.In.-Man. trans.-all states & auto. trans. in Calif.	
Inlet Valve	
Opens - BTC . . . . .	16°
Closes - ABC . . . . .	48°
Duration . . . . .	244°
Exhaust Valve	
Opens - BBC . . . . .	64°
Closes - ATC . . . . .	50°
Duration . . . . .	294°
L6-250 Cu.In.-Auto. trans.-all states except Calif.	
Inlet Valve	
Opens - BTC . . . . .	16°
Closes - ABC . . . . .	48°
Duration . . . . .	244°
Exhaust Valve	
Opens - BBC . . . . .	46°30'
Closes - ATC . . . . .	17°30'
Duration . . . . .	244°
V8-350 & 400 Cu.In.-All states except California	
Inlet Valve	
Opens - BTC . . . . .	28°
Closes - ABC . . . . .	72°
Duration . . . . .	280°
Exhaust Valve	
Opens - BBC . . . . .	78°
Closes - ATC . . . . .	30°
Duration . . . . .	288°
V8-350 & 400 Cu.In.-California Only	
Inlet Valve	
Opens - BTC . . . . .	44°
Closes - ABC . . . . .	96°
Duration . . . . .	280°
Exhaust Valve	
Opens - BBC . . . . .	88°
Closes - ATC . . . . .	66°
Duration . . . . .	334°
V8-454 Cu.In.-All states	
Inlet Valve	
Opens - BTC . . . . .	55°
Closes - ABC . . . . .	111°
Duration . . . . .	346°
Exhaust Valve	
Opens - BBC . . . . .	105°
Closes - ATC . . . . .	63°
Duration . . . . .	348°

## PISTONS

Material . . . . .	Cast aluminum alloy
Head Type	
L6-250 Cu.In. . . . .	Sump
V8-350 Cu.In. . . . .	Sump
V8-400 Cu.In. . . . .	Sump, notched
V8-454 Cu.In. . . . .	Flat, valve cutout
Skirt Type . . . . .	Slipper
Top Land Clearance	
L6-250 Cu.In. . . . .	.0245-.0335
V8-350 Cu.In. . . . .	.0235-.0325
V8-400 Cu.In. . . . .	.0365-.0455
V8-454 Cu.in. . . . .	.0270-.0330
Skirt Clearance	
L6-250 Cu.In. . . . .	.0005-.0015
V8-350 Cu.in. . . . .	.0007-.0017
V8-400 Cu.In. . . . .	.0014-.0024
V8-454 Cu.In. . . . .	.0018-.0028
Compression Ring Groove Depth	
L6-250 Cu.In. . . . .	.2153-.2218
V8-350 Cu.In. . . . .	.2218-.2308
V8-400 Cu.In. . . . .	.2328-.2393
V8-454 Cu.In. . . . .	.2350-.2410
Oil Ring Groove Depth	
L6-250 Cu.In. . . . .	.2093-.2158
V8-350 Cu.In. . . . .	.2038-.2103
V8-400 Cu.In. . . . .	.2183-.2248
V8-454 Cu.In. . . . .	.2185-.2245
Pin Bore Offset . . . . .	.055-.065
Compression Height	
L6-250 Cu.In. . . . .	1.658-1.662
V8-350 & 400 Cu.In. . . . .	1.558-1.562
V8-454 Cu.In. . . . .	1.641-1.649

## PISTON PINS

Material . . . . .	Chromium steel
Length	
L6-250 Cu.In. . . . .	2.990-3.010
V8-350 & 400 Cu.In. . . . .	2.990-3.010
V8-454 Cu.In. . . . .	2.930-2.950
Diameter	
L6-250 Cu.In. . . . .	.9270-.9273
V8-350 & 400 Cu.In. . . . .	.9270-.9273
V8-454 Cu.In. . . . .	.9895-.9898
Clearance in Piston	
L6-250 Cu.In. . . . .	.00015-.00025
V8-350 & 400 Cu.In. . . . .	.00015-.00025
V8-454 Cu.In. . . . .	.00030-.00040

# PRINCIPAL COMPONENTS

## COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
L6-250 Cu.In.	Wear resistant coating Molybdenum inlay, graphite impregnated
V8-350 Cu.In.	Chrome Plate
V8-400 Cu.In.	Wear resistant coating Molybdenum inlay
V8-454 Cu.In.	Wear resistant coating Molybdenum inlay, graphite impregnated
Width	
L6-250 Cu.In.	.0775-.0780
V8-350 Cu.In.	.0775-.0780
V8-400 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-400 Cu.In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	.010-.020

## COMPRESSION RINGS - LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 30 degrees to piston vertical axis for L6-250 & V8-350; 50 degrees for V8-454
Face	Tapered
Coating	
L6-250 Cu.In.	Wear resistant
V8-350 Cu.In.	Wear resistant
V8-400 & 454 Cu.In.	Chrome plate
Width	
L6-250 Cu.In.	.0770-.0780
V8-350 Cu.In.	.0770-.0775
V8-400 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-400 Cu.In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	
L6-250 Cu.In.	.010-.020
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)	
L6-250 Cu.In.	.1870-.1890
V8-350 Cu.In.	.1850-.1870
V8-400 Cu.In.	.1845-.1865
V8-454 Cu.In.	.1855-.1875
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-350 Cu.In.	.150-.156
V8-400 Cu.In.	.135-.139
V8-454 Cu.In.	.137-.143
Gap	
L6-250 Cu.In.	.015-.055
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)	
L6-250 Cu.In.	5.695-5.705
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	
L6-250 Cu.In.	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-350, 400 & 454 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-350 & 400 Cu.In.	.0013-.0035
V8-454 Cu.In.	.0009-.0025
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-350 & 400 Cu.In.	2.1012
V8-454 Cu.In.	2.2012
Effective Length	
L6-250 Cu.In.	.807
V8-350 & 400 Cu.In.	.797
V8-454 Cu.In.	.847
End Play	
L6-250 Cu.In.	.007-.016
V8-350 Cu.In.	.006-.016
V8-400 Cu.In.	.008-.014
V8-454 Cu.In.	.015-.023

**FUEL TANK**

Capacity (Gal)	
All models except El Camino . . .	22 (approximately)
El Camino . . . . .	26 (approximately)
Fuel Tank Location . . . . .	Behind rear axle
Filler Location	
Station Wagons & El Camino . . . . .	Left rear quarter panel
Remaining Models . . . . .	Behind hinged rear license plate

**FUEL FILTERS, DUAL**

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

**FUEL PUMP ASSEMBLY**

Type . . . . .	Mechanical; diaphragm
Drive . . . . .	Camshaft, eccentric
Location . . . . .	Right side front of engine
Pressure Range (shut off pressure at 1800 RPM)	
L6-250 Cu.In. . . . .	4.00-5.00 PSI at pump outlet
V8-350 Cu.In. . . . .	7.50-9.00 PSI at pump outlet
V8-400 Cu.In. . . . .	7.50-9.00 PSI at pump outlet
V8-454 Cu.In. . . . .	7.50-9.00 PSI at pump outlet

**AIR CLEANER**

Type . . . . .	Cylindrical single air horn
Diameter	
L6-250 Cu.In. . . . .	12.62
V8-350 Cu.In. . . . .	15.48
V8-400 Cu.In. . . . .	15.48
V8-454 Cu.In. . . . .	15.48
Filter Element . . . . .	Oil-wetted paper

**CARBURETORS**

Make and Type	
L6-250 Cu.In. . . . .	1-barrel, Monojet
V8-350 Cu.In. (L65) . . . . .	2-barrel
V8-350 Cu.In. (LM1) . . . . .	4-barrel
V8-400 Cu.In. (LF6) . . . . .	2-barrel
V8-400 Cu.In. (LT4) . . . . .	4-barrel
V8-454 Cu.In. . . . .	4-barrel, Quadrajet
SAE Flange Type . . . . .	1.50
Throttle Bore	
L6-250 Cu.In. . . . .	1.69
V8-350 Cu.In. (L65) . . . . .	1.69
V8-400 Cu.In. (LF6) . . . . .	1.69
V8-350 (LM1), 400 (LT4) & 454 Cu.In.	
Primary . . . . .	1.38
Secondary . . . . .	2.25
Secondary Throttle Actuation . . . . .	By linkage approximately when primary valves are opened halfway between closed and open.
Venturi Diameter	
L6-250 Cu.In. . . . .	1.31
V8-350 Cu.In. (L65) . . . . .	1.09
V8-400 Cu.In. (LF6) . . . . .	1.09
V8-350 (LM1), 400 (LT4) & 454 Cu.In.	
Primary . . . . .	1.04
Secondary . . . . .	Air valve

**CHOKE**

Type . . . . .	Automatic
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# EXHAUST SYSTEMS

## TYPE

L6-250 Cu.In. . . . . Single  
 V8-350 & 400 Cu.In. . . . . Single with crossover pipes  
 V8-454 Cu.In. (Sedans & Cps.) . . . Dual, with resonators  
 V8-454 Cu.In. (St. Wags & Pickup) . . Dual, no resonators

## MUFFLERS

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

### Head

L6-250 Cu.In. . . . . .054 sheet steel, aluminized  
 V8-350 Cu.In. . . . . .054 sheet steel, aluminized  
 V8-400 Cu.In. . . . . .059 sheet steel, aluminized  
 V8-454 Cu.In. . . . . .060 sheet steel, aluminized

Shell . . . . . .036 sheet steel, zinc coated

Wrap . . . . . .030 indented asbestos sheet

Cover . . . . . .018 sheet steel aluminized

### Baffles

L6-250 Cu.In.  
 No. 1 & 4 . . . . . .048 sheet steel, zinc coated  
 No. 2 & 3 . . . . . .036 sheet steel, zinc coated

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

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

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

Length, Body . . . . . 21.25

### Width

L6-250, V8-350 & 400 Cu.In. . . . . 10.50  
 V8-454 Cu.In. . . . . 11.00

### Height

L6-250, V8-350 & 400 Cu.In. . . . . 4.06  
 V8-454 Cu.In. . . . . 4.50

## EXHAUST CROSSOVER PIPE

Dimensions (O.D.) &  
 Wall Thickness . . . . . 2.00 x .090 laminated

## EXHAUST PIPE

Dimensions (O.D.) & Wall Thickness  
 L6-250 Cu.In. . . . . 2.00 x .064  
 V8-350 Cu.In. . . . . 2.25 x .086 laminated  
 V8-400 Cu.In. . . . . 2.00 x .086 laminated  
 V8-454 Cu.In. . . . . 2.25 x .082 laminated

## RESONATORS (V8-454 Cu.In. only)

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

## TAIL PIPES

Dimensions (O.D.) & Wall Thickness  
 L6-250 Cu.In. . . . . 2.00 x .062  
 V8-350 Cu.In. . . . . 2.00 x .062  
 V8-400 Cu.In. . . . . 2.00 x .062  
 V8-454 Cu.In. . . . . 2.00 x .062

## SYSTEM APPLICATION

System Type	Engine Adaptation					
	L6-250		V8-350		V8-400	
	L22	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					
CCS - Controlled Combustion System	**					
TCS - Transmission Controlled Spark	***					

\*-Used with manual transmissions - all states and also with automatic transmissions in California

\*\* -Used with automatic transmissions - all states except California

\*\*\*-Used with manual transmission - all states

## BASIC FUNCTION OF SYSTEMS

### POSITIVE CRANKCASE VENTILATION

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

### EXHAUST GAS RECIRCULATION SYSTEM

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

### CARBURETOR HEATED AIR

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

### AIR INJECTION REACTOR SYSTEM

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

### FUEL EVAPORATION CONTROL SYSTEM

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

### TRANSMISSION CONTROLLED SPARK

Regulates vacuum to distributor vacuum advance to reduce hydrocarbon and oxides of nitrogen emissions in low and intermediate speed ranges.

### CONTROLLED COMBUSTION SYSTEM

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

# LUBRICATION SYSTEM

## GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	
L6	Main and conn. rod bearing throw off
V8	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	
L6	Nozzle sprayed
V8	Centrifugally oiled from camshaft bearing

## Oil Pressure Sending Unit

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

## Oil Filler

Cap	Positive seal
Location	
L6-250 Cu.In.	Forward end of rocker cover
V8-350 & 400 Cu.In.	Rearward of left rocker cover
V8-454 Cu.In.	Top center of right rocker cover

## OIL PAN CAPACITIES (Quarts)

Refill	
L6 Engine	4
V8 Engines	4
Refill With Filter Change	
L6 Engine	4.5
V8 Engines	4.5

## LUBRICANT GRADES AND TEMPERATURES

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

## OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs. Oil Pressure
L6-250 Cu.In.	36-41 PSI @ 2000 RPM
V8-350 & 400 Cu.In.	32-40 PSI @ 2000 RPM
V8-454 Cu.In.	42-46 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM)	
L6-250 Cu.In.	4.3 @ 2000
V8-350 & 400 Cu.In.	4.3 @ 2000
V8-454 Cu.In.	6.0 @ 2000

## OIL FILTER

Type	Full flow, throw away canister
Location	
L6 Engine	Right side front of engine
V8 Engines	Left rear side of engine
Capacity	
L6 Engine	One pint
V8 Engines	One pint
Bypass Valve	Opens between 9 to 11 PSI drop in pressure

## OIL DIPSTICK-LOCATION

L6-250 Cu.In.	Right side, rear of engine block
V8-350 & 400 Cu.In.	Left side, rear of engine block
V8-454 Cu.In.	Right side, center direct to oil pan

## OIL PAN DRAIN PLUG

Type	Hex head
Location	
L6 Engine	Front lower face of oil pan sump
V8 Engines	Left lower face of oil pan sump
Size of Hex Head	.860-.875
Thread	1/2-20 UNF 2A
Length	0.81
Diameter	.410-.430



## GENERAL

Type	Liquid, pressurized
Capacity with Heater	
L6-250 Cu.In.	14 qts.
V8-350 & 400 Cu.In.	18 qts.
V8-454 Cu.In.	24 qts.

## RADIATOR

Make and Type	Harrison, tube and center
Core constant and thickness	
Distance between fins	
L6-250 Cu.In.	.16 Syn., .18 Auto.
V8-350 Cu.In. (L65)	.18 Syn. & Auto.
V8-350 Cu.In. (LM1)	.16 Syn., .18 Auto.
V8-400 Cu.In.	.16 Syn. & Auto.
V8-454 Cu.In.	.20 Syn., .22 Auto.
Distance between tubes	.55
Thickness of core	
L6-250 Cu.In.	1.26 Syn., 1.24 Auto.
V8-350 Cu.In. (L65)	1.24
V8-350 Cu.In. (LM1)	1.26 Syn., 1.24 Auto.
V8-400 Cu.In.	1.24
V8-454 Cu.In.	1.98
Frontal area (sq.in.)	
L6-250 Cu.In.	353
V8-350, 400 & 454 Cu.In.	480
Overflow	Separate coolant bottle

## RADIATOR HEAVY DUTY (RPO V01)

Core constant and thickness	
Distance between fins	
L6-250 Cu.In.	16 Syn. & Auto.
V8-350 Cu.In.	.16 Syn. & Auto.
V8-400 Cu.In.	.16 Syn. & Auto.
V8-454 Cu.In.	.16 Syn. & Auto.
Distance between tubes	.55
Thickness of core	
L6-250 Cu.In.	1.24
V8-350 Cu.In. (L65)	1.24
V8-350 Cu.In. (LM1)	1.96
V8-400 & 454 Cu.In.	1.96
Frontal area (sq. in.)	
L6-250 Cu.In.	353
V8-350 & 400 Cu.In.	480
Overflow	Separate coolant bottle.

## RADIATOR CAP RELIEF VALVE

Opens at	Approximately 15 PSI
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## THERMOSTAT

Type	Pellet
Begins to open at	192°-198°
Fully opened at	227°
Thermostat By-Pass Hose	
V8-454 Cu.In.	.745 ID

## RADIATOR HOSE

Outlet, lower (radiator to water pump)	1.75 ID
Inlet, upper (thermostat hsg. to radiator)	1.50 ID

## FAN

Number of Blades	
All engines except V8-454 Cu.In.	4
V8-454 Cu.In.	7
Diameter	
L6-250 Cu.In.	17.62
V8-350 & 400 Cu.In.	19.00
V8-454 Cu.In.	19.50
Fan pulley pitch diameter	7.00

## BELTS, CRANKSHAFT, FAN AND GENERATOR

Number used	One
Angle of "V"	38°-42°
Pitch line	
L6-250 Cu.In.	38.00
V8-350 & 400 Cu.In.	47.50
V8-454 Cu.In.	50.00
Width	.380

## WATER PUMP

Type	Centrifugal
Capacity	
L6-250 Cu.In.	24.4 GPM @ 2000 engine RPM
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)	
L6-250 Cu.In.	1.65:1
V8-350 & 400 Cu.In.	.949:1
V8-454 Cu.In.	1.25:1

## DRAIN LOCATIONS AND TYPE

Engine Block - Plug	
L6-250 Cu.In.	Left side rear
V8-350 & 400 Cu.In.	Right and left center
V8-454 Cu.In.	Left side-rear of block
Radiator-Petcock	Right side - center of block
All types	Lower left rear face

# ELECTRICAL SYSTEM

## SUPPLY SYSTEM

### BATTERY

Voltage Rating	12
Cranking Power @ 0° F	
L6-250 Cu.In.	2300 watts
V8-350 & 400 Cu.In.	2900 watts
V8-454 Cu.In.	4000 watts
Heavy Duty (RPO T60)	4000 watts
Total Number of Plates	
L6-250 Cu.In.	54
V8-350 & 400 Cu.In.	66
V8-454 Cu.In.	78
Heavy Duty	90
Number of Cells	6
Terminal Grounded	Negative
Location	Engine compartment, right side front

## GENERATOR

Type	Diode rectified
Rating	
Amps	37
Volts	12-15
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	
L6-250 Cu.In.	ACR46T
V8-350 & 400 Cu.In.	ACR44T
V8-454 Cu.In.	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	
L6-250 Cu.In.	49-87
V8-350 & 400 Cu.In.	70-99
V8-454 Cu.In.	70-99
Volts	10.6
RPM	
L6-250 Cu.In.	6200-10700
V8-350 & 400 Cu.In.	7800-12000
V8-454 Cu.In.	7800-12000

#### Motor Drive

Engagement	Solenoid
Pinion Tooth No.	9
Flywheel Tooth No.	153; 168 (V8-454)

DISTRIBUTORS	Transmission	250 Cu.In.	350 Cu.In.	350 Cu.In.	400 Cu.In.	400 Cu.In.	454 Cu.In.
		L22	L65	LM1	LF6	LT4	LS4
Model	Manual	1110499	1112844	1112543			1112113
	Automatic	1110499	1112844	1112093	1112846	1112545	1112113
Type		Single breaker					
Cam angle		31°-34°			29°-31°		
Breaker gap		.019 (new)					
Breaker arm tension		19-23 oz.					28-32 oz.
Centrifugal advance begins @ RPM	Manual	950-1280	675-1300	800-1200			900-1300
	Automatic	950-1280	675-1300	900-1300	700-1300	700-1300	900-1300
Maximum degrees @ RPM	Manual	22-26 @ 4100	18-22 @ 4200	20-24 @ 4200			16-20 @ 4200
	Automatic	22-26 @ 4100	18-22 @ 4200	16-20 @ 4200	18-22 @ 4200	16-20 @ 3900	16-20 @ 4200
Vacuum advance begins @ In. Hg.	Manual	6.0-8.0	2.0-4.0	5.0-7.0			5.0-7.0
	Automatic	6.0-8.0	2.0-4.0	5.0-7.0	5.0-5.0	7.0-9.0	5.0-7.0
Max. deg. @ In. Hg.	Manual	21.5-26.5 @ 15	12.5-15.5 @ 7.5	13.5-16.5 @ 13.5			18.5-21.5 @ 15
	Automatic	21.5-26.5 @ 15	12.5-15.5 @ 7.5	13.5-16.5 @ 13.5	13.5-16.5 @ 10	13.5-19 @ 15.5	18.5-21.5 @ 15
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line disconnected	Manual	8° BTC @ 950	4° BTC @ 900	4° BTC @ 900			10° BTC @ 800
	Automatic	8° BTC @ 600	0° BTC @ 900	8° BTC @ 600	8° BTC @ 600	8° BTC @ 600	10° BTC @ 800
Timing mark location		Torsional damper					

# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type - Cubic Inch	L6-250	V8-350	V8-454	
	Availability	Standard	RPO L65	RPO LM1	
Type		Single dry disc	Single dry disc, centrifugal		
Clutch Cover & pressure plate	Eff. plate load, lbs.	1650-1900	2100-2300	2450-2750	
	Press. plate mat.	Cast iron	Nodular Iron		
	Clutch spring type	Diaphragm	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			
	Dampers	(a)	(b)	10 coil springs (c)	
	Friction rings	OD	9.12	10.34	11.00
		ID	6.12	6.50	6.50
		Total area sq. in.	71.82	101.54	123.70
Material		Woven type asbestos			
Flywheel & Ring Gear	Flywheel Material	Cast iron			
	Ring Material	Heat treated HR steel			
	No. of teeth	153	168		
		PD	12.75	14.00	
		Attachment	Shrink fit		
Bearings	Release	Type	Single row ball		
		Lubrication	None, prepacked		
	Pilot	Type	Bronze bushing		
		Lubrication	Sintered oil impregnated		
Controls	Clutch for,	Drop forged steel, pivot mounted on ball			
	Pedal mounting	Pendant, from brace on dash			
	Lubrication	Crossover shaft			
Clutch housing material	Aluminum alloy				

- (a) 6 outer coil springs and 3 inner coil springs equally spaced  
 (b) 12 coil springs (6 sets of two)  
 (c) 5 sets of two coils

## 3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type		3-Speed		4-Speed	
Engine	Type - Cubic Inch	L6-250	V8-350	V8-454	
Application	Availability	Base	RPO L65 & LM1	RPO LS4	
Case Material		Cast iron		Aluminum	
Gear Shift	Type	Remote			
	Control	Lever			
	Location	Steering column		Floor	
Gears	Type	Helical			
	Material	Forged steel hardened			
	Synchronization	All forward gears			
	Constant mesh gear	All gears		All forward gears	
	Sliding gears	None			
	Ratio	First	2.85	2.54	2.20
		Second	1.68	1.50	1.64
Third		1.00	1.00	1.27	
Fourth				1.00	
Reverse		2.95	2.63	2.26	
Lubricant	Type	Meeting Military Specifications MIL-L-2105B			
	Capacity (pts)	3			
Extension	Material	Cast iron		Aluminum	
	Oil Seal	Steel encased seal of spring loaded silicone			

# TRANSMISSIONS

## TURBO HYDRA-MATIC TRANSMISSION

Engine	Displacement	L6-250	V8-350 & 400	V8-454	
General Data	Type	Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse.			
	Selector lever	Location	Steering column (a)		
		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		
	Lock	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 Pressure regulator	Establishes range of transmission operation		
		Shift (1-2)	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 (b)	Drive	55	60	70
		L2	80	87	150
L1		80	87	150	
Reverse		84	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 - 1.51:1		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			
	Type	Three, multiple disk	Four, multiple disk	Three, multiple disk	
Clutches	Material	Drive plates	Steel with bonded organic facings		
		Driven plates	Flat steel		
	Forward clutch	4 each drive & driven plates	5 each drive & driven plates	5 each drive & driven plates	
	Direct clutch	3 each drive & driven plates	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	4 each drive & driven plates	5 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 available when bucket seats are used; quadrant changes to P-R-N-3-2-1.

(b) Conditions: 600 RPM input

## 1970-76 CHEVROLET PRODUCTION OPTIONS

A87	Window — Rr. Quarter Louvered	A76	H.D. Seat Cushion & Back	B90	Molding — Side Window Reveal
A88	Window — Rr. Qtr. Formal Style	A85	Shoulder Harness — Deluxe Frt.	B93	Guards — Door Edge
AC3	Seat Adjuster — 6 Way Power. Bucket	A90	Lock Release — Rr. Compt. Lid. Remote Control Elec.	B94	Emblem — Body "GT"
AD3	Glass — Hinged Roof Window	A99	Glove Box Lock	B95	Appique — Pillar
AD7	Window — Rr. Qtr. Teardrop Less Louvers			B96	Molding — Wheel Opening
AE1	Glass — Roof Panel	BB4	Map Pocket	B97	Spoiler
AG1	Seat Adjuster — 6 Way Power. Driver (60-40)	BB8	Interior Ornam — Door Trim Mldg.	CA1	Roof — Steel Sliding Sun. Electric
AG2	Seat Adjuster — 6 Way Power. Pass. (60-40)	BC1	Interior Ornamentation — Wood Grain	CB4	Vinyl Padded Roof (Integral Pad) — Rear
AG7	Seat Adjuster — 6 Way Power. Driver (50-50)	BC5	Interior Ornam — Load Compt. — Carpet	CB5	Vinyl Padded Roof(W/ ¼" Pad) — Full
AK1	Belts — Deluxe	BF2	Carpet — Floor Covering — Deluxe	CB7	Vinyl Padded Roof (Integral Pad) — Front
AM6	Seat Asm. — Frt. Seat Split (60-40) W/Center Arm Rest	BG1	Floor Mat — Heavy Duty	CC1	Panels — Removable Roof Hatch
AM7	Folding Rear Seat Asm.	BG9	Covering — Floor — Rubber	CD2	W/S Washer Jar Fluid Level Monitor
AN5	Seat Asm.—Pass. Reclining (40-40)	BS1	Quiet Sound Group	CD4	Washer & Wiper — Windshield. Pulse System
AN6	Seat Back — Adjustable. Driver	BS2	Acoustical Package	CF4	Roof — Sliding Sun
AN7	Seat Asm. — Bucket, Shell Type Swivel	BW2	Molding — Body Side Protection	CF5	Astro Roof — Elec.
AQ4	Seat Asm. — Sta. Wag. 3rd Seat	BW6	Exterior Decor Package	CO4	Vinyl Padded Roof (w/ ¼" Pad) — Rear
AQ9	Seat Asm. — Bucket, Pass. Reclining	BW7	Ext. Ornam — Pillar Applique	CO9	Vinyl Padded Roof (Integral Pad) — Full
AR5	Seat Asm. — Bucket, European Style	BX1	Ext. Ornam — Front End Panel	C18	Black Windshield Wiper and Blade
AR9	Seat Asm. — Bucket, European Style	BX3	Exterior Ornamentation — Wood Grain Side Panel	C24	Wipers — Recess Parked
AS4	Rear Seat Deluxe Shoulder Harness	BX6	Ext. Ornam — Mldg. and Applique	C41	Heater & Defroster — Outside Air
AT6	Recliner Seat — RH Manual	BX7	Door Edge Guards	C46	Heater — Hi-Flow
AT8	Seat Asm. — Adjustable. (50-50) Pass. Reclining	BX8	Molding — Used W/Two Tone Paint	C49	Defogger — Rear Window. Electric
AU1	Key — Single Car	BX9	Ornament — Front End Panel	C50	Defogger — Rear Window
AU3	Lock — Side Doors. Electric	BY1	Ext. Ornam — Body Emblem	C51	Deflector — Station Wagon Air
AU4	Lock — Side Door. Electric Automatic	BY2	Police Body Equipment	C54	Heated Rr. Window Defogger
AU5	Lock — Seat Back & Side Door. Electric	BY4	Int. Ornam — Inst. Panel Monogram	C60	Air Conditioner — Manual Cont.
AU6	Lock Release — Tail Gate. Remote Control Electric	B1Q	Lock — Power Tail Gate	C61	Air Conditioner — Auto. Cont.
AU7	Key — Single — For Total Fleet	B3X	Estate Equipment	C65	Air Conditioner — Semi-Auto. Cont.
AV3	Cargo Tie Downs	B02	Special Body — Taxi Cab	C80	Switch — Frt. Door Jamb
AV7	Seat Asm. — Front (50-50)	B07	Special Body — Police Car.	C81	Switch — Rear Door Jamb
A01	Glass — Tinted, All Windows (Tinted Windshield)	B09	H.D. Police Package	C87	Lamp — Rear Qtr. Courtesy
A02	Glass — Tinted, Windshield (Tinted Upper)	B22	Emblem — Door	C88	Lamp — Rear Compt. Courtesy
A20	Glass — Rear Qtr. Vent. Swing Out	B26	Handle — Door Pull Interior	C90	Lamp — Combination Courtesy & Door Wiring
A31	Window — Power Operated. All (Exc. Vent)	B28	Floor Mats — Carpet Insert	C91	Lamp — Front Dome
A39	Seat Belts—Frt., Rr., Ctr. Deluxe Type	B30	Carpet — Floor Covering	C93	Lamp — Opra — Exterior Lock Pillar or Sail Panel
A41	Frt. Seat Elec. CH—4-Way Bench Seat	B32	Mat — Front Floor Throw	C95	Lamp — Dome & Reading
A42	Seat Adjuster 6-Way Power. Single Unit	B33	Mat — Rear Floor Throw	C97	Lamp Courtesy — Door Handle Operated
A44	Seat Adjuster	B34	H.D. Frt. Floor Mats		
A46	Elec. 4-Way Seat Adjuster (L.H. Bucket Seat Only)	B35	H.D. Rr. Floor Mats	DF3	Mirror — Remote Control RH. Chrome
A50	Seat Asm. — Front Bucket — Formed	B36	Mat — Luggage Compartment	DH5	Mirror — Visor Vanity — Left
A51	Seat Asm. — Bucket (L & R) Contour	B37	Floor Mats — Front & Rr.	DJ9	Mirror — Rear View RH, Sport Type
A52	Seat Asm. — Bench	B39	Carpet — Load Floor and Deck Lid	DL1	Decals and Stripes
A65	Seat Back — Frt. Seat Split	B44	Carpet — Load Floor Seat Back	DX4	Tape — Accent Stripe
A66	Seat Back — 2nd Seat Split	B48	Luggage Compt. Trim	DX9	Tape — Accent Stripe
A75	Seat Asm. — Heavy Duty — Front	B51	Moulding — Rocker Panel Wide	D24	Litter Container
		B65	Trunk Asm. — Floor Cover	D31	Mirror — Inside Tilt Rearview (Non Glare)
		B71	Exterior Ornam — Custom Whl. Opening Mldgs.	D33	Mirror — Remote Control LH. Chrome
		B75	Lining — Luggage Compt.	D34	Mirror — Visor Vanity
		B77	Molding — Windshield Reveal	D35	Mirror — Remote Control LH. Custom
		B79	Exterior Ornamentation — Rr. End		
		B80	Molding — Roof Drip		
		B83	Molding — Rocker Panel		
		B84	Molding — Body Side		
		B85	Molding — Belt Reveal		
		B86	Molding — Custom Rear Qtr. Lower		
		B89	Molding — Back Window Reveal		

# 1970-76 CHEVROLET PRODUCTION OPTIONS

T33 \_\_\_ Nameplate — Front Fender  
 T41 \_\_\_ Hood — Special Sheet Metal  
 T44 \_\_\_ Lock — Hood Interior Operated  
 T52 \_\_\_ Ornamentation — Front  
 T53 \_\_\_ Molding — Front Fender  
 T58 \_\_\_ Skirt — Rear Wheel Opening  
 T60 \_\_\_ Battery Case — H.D. Plastic  
 T63 \_\_\_ Headlamp — On Warning System (Buzzer)  
 T70 \_\_\_ Lamp Group  
 T81 \_\_\_ Headlamp Delay Package  
 T82 \_\_\_ On-Off Control — Headlamp Automatic  
 T87 \_\_\_ Lamps — Cornering  
 T93 \_\_\_ Lamp — Tail & Stop Reflex Asm.  
  
 UA1 \_\_\_ Battery — Heavy Duty  
 UB7 \_\_\_ Cluster Asm. — Warning and Trip Odometer  
 UE8 \_\_\_ Clock — Electric (Digital)  
 UF3 \_\_\_ Lamp — Map (W/Sun Visor Support)  
 UF7 \_\_\_ Cluster — Oil Temp., Volt Meter, Fuel Economy  
 UF8 \_\_\_ Switch — Dimmer Headlamp  
 UH1 \_\_\_ Lamp Monitor — Electric  
 UM1 \_\_\_ AM Radio & 8 Track Tape Player  
 UM2 \_\_\_ AM-FM Stereo Radio & 8 Track Tape Player  
 UN9 \_\_\_ Radio Suppression Equip.  
 UO5 \_\_\_ Dual Horns  
 UR1 \_\_\_ Fuel Economy Vacuum Gauge  
 UX6 \_\_\_ Front Dual Speakers  
 UX9 \_\_\_ Speaker — Front  
 UY8 \_\_\_ Radio — AM/FM — Digital Clock  
 UO5 \_\_\_ Dual Horns  
 UO9 \_\_\_ Horn — Four Note  
 U11 \_\_\_ Police Car Speedo  
 U14 \_\_\_ Rally Gauge — Tach & Clock  
 U15 \_\_\_ Speed Alert — Trip Odometer  
 U18 \_\_\_ Kilo Speedo  
 U21 \_\_\_ Instrument Panel Gauges  
 U25 \_\_\_ Lamp — Luggage Compt.  
 U26 \_\_\_ Lamp — Engine Compt.  
 U27 \_\_\_ Lamp — Inst. Panel Compt.  
 U28 \_\_\_ Lamp — Ash Tray  
 U29 \_\_\_ Lamp — Inst. Panel Courtesy  
 U30 \_\_\_ Instrument Gauges  
 U35 \_\_\_ Electric Clock  
 U37 \_\_\_ Lighter — Cigar  
 U38 \_\_\_ Warning System — Low Coolant  
 U41 \_\_\_ Indicator — Low Fuel  
 U46 \_\_\_ Monitor — External Lamp  
 U57 \_\_\_ Player — Tape  
 U58 \_\_\_ Radio — Stereo (W/Antenna)  
 U63 \_\_\_ Radio — Pushbutton Control (W/Antenna)  
 U69 \_\_\_ Radio — AM-FM (W/Antenna)  
 U75 \_\_\_ Antenna — Power  
 U76 \_\_\_ Antenna — Windshield Embedded  
 U80 \_\_\_ Speaker — Rear Auxiliary  
 U81 \_\_\_ Speaker — Rear, Dual  
 U89 \_\_\_ Wiring Harness — Car Trailer (5 Wire)  
 U90 \_\_\_ Wiring Harness — Roof Flasher  
 U94 \_\_\_ Light Cable — Trailer (7 Wire)

VE5 \_\_\_ Strip — Front & Rr. Bumper Impact  
 VF6 \_\_\_ Bumper — Rear Step  
 VG4 \_\_\_ Protector — Bumper Filler  
 VG8 \_\_\_ Bumper — Rear With Vinyl Insert  
 VJ9 \_\_\_ Exhaust Emission Level (Calif. Cars)  
 VK1 \_\_\_ License Plate — Frt. Mounting Pkg.  
 VK3 \_\_\_ Mounting — Frt. Lic. Plate  
 VO1 \_\_\_ Radiator — Heavy Duty (Var. 1)  
 VO2 \_\_\_ Radiator — Heavy Duty (Var. 2)  
 V30 \_\_\_ Guards — Frt. & Rr. Bumper  
 V31 \_\_\_ Guards — Front Bumper (Chrome)  
 V32 \_\_\_ Guards — Rear Bumper — (Chrome)  
 V55 \_\_\_ Carrier — Roof Luggage  
 V56 \_\_\_ Lock & Trim — Luggage Compartment  
 V65 \_\_\_ Bumper — Light Duty  
 V81 \_\_\_ Trailer Provisions — SAE Class 1 (2000 lbs.)  
 V82 \_\_\_ Trailer Provisions — SAE Class 2 (3500 lbs.)  
  
 WA3 \_\_\_ Power Seat — 6 Way (Pass. & Driver)  
 WA5 \_\_\_ Dual Speakers (Frt. & Rear)  
 WB2 \_\_\_ AM Stereo Radio  
 WB3 \_\_\_ AM-FM Stereo Radio  
 BW4 \_\_\_ AM-FM Stereo Radio  
 WB6 \_\_\_ Gauges — Instrument Cluster W/Clock  
 WB7 \_\_\_ Vinyl Roof — Rear Vinyl (Pad Attached)  
 WC2 \_\_\_ Moulding Package  
 WC4 \_\_\_ Convenience Group  
 WC9 \_\_\_ Exhaust Emission Group (Calif.)  
 WD3 \_\_\_ Appearance Group  
 WD4 \_\_\_ Accessory Package  
 WF5 \_\_\_ Custom Trim Group  
 WH3 \_\_\_ Appearance Group  
 WH4 \_\_\_ Tachometer & Clock  
 WH5 \_\_\_ Handling Package  
 WJ7 \_\_\_ Leather — Custom  
 WQ2 \_\_\_ Wood Grain Group  
 WT1 \_\_\_ Suspension — Bias Tire  
 WU2 \_\_\_ G.T. Option  
 WU7 \_\_\_ Third Seat — Wagon  
 WW8 \_\_\_ Instrument Panel Tach., Rally Clock, Gauges  
 WY5 \_\_\_ Suspension — Radial Tuned  
 W20 \_\_\_ Convenience Group  
 W50 \_\_\_ Appearance Group  
 W60 \_\_\_ Appearance — Special Esprit  
 W61 \_\_\_ Decor — Simulated Wood  
 W62 \_\_\_ Luxury Appointment Group  
 W63 \_\_\_ Rally Clock & Gauges  
 W66 \_\_\_ 400 Sport Option  
 W71 \_\_\_ Seat — Custom Front & Rear  
  
 YC6 \_\_\_ Estate Wood Grain — Vega  
 YD1 \_\_\_ Towing Package  
 YE4 \_\_\_ Exterior & Interior Deluxe  
 YF3 \_\_\_ "Heavy Chevy" Exterior Decor  
 YF4 \_\_\_ Guard & Strip — Bumper  
 YF8 \_\_\_ Black Paint Stripe  
 YJ8 \_\_\_ Cast Aluminum Wheels

YJ9 \_\_\_ Exterior Decor Package  
 Y02 \_\_\_ Seat — Front Custom  
 Y03 \_\_\_ Seat — Rear Custom  
 Y05 \_\_\_ Deadener — Floor  
 Y07 \_\_\_ Molding — Side Window Reveal  
 Y10 \_\_\_ Custom Doors and Qtr.  
 Y11 \_\_\_ Seat — Front — Special Design  
 Y12 \_\_\_ Seat — Rear — Special Design  
 Y19 \_\_\_ Molding — Body Side Lower  
 Y40 \_\_\_ Heavy Duty Cooling  
 Y51 \_\_\_ Molding Group  
 Y53 \_\_\_ Frt. & Rr. Bumper Guards  
 Y56 \_\_\_ Accessory Group  
 Y60 \_\_\_ Convenience Group  
 Y62 \_\_\_ Instrument Cluster — Special Features  
 Y66 \_\_\_ SX Package  
 Y67 \_\_\_ Low Washer Fluid Level Indicator  
 Y70 \_\_\_ Stripe — Decal  
 Y71 \_\_\_ Outside Temp. Indicator  
 Y72 \_\_\_ H.D. Engine Cooling  
 Y74 \_\_\_ Moldings — Rocker and Wheel Opng.  
 Y79 \_\_\_ Appearance Option  
 Y82 \_\_\_ Golden Anniversary  
 Y83 \_\_\_ LJ Option  
 Y90 \_\_\_ Custom Trim  
 Y92 \_\_\_ Lamp Group  
 Y96 \_\_\_ Firm Ride Option  
 Y97 \_\_\_ SJ Option  
 Y99 \_\_\_ Handling Package  
  
 ZE2 \_\_\_ Olympic Edition Program Content  
 ZJ1 \_\_\_ Custom Interior  
 ZJ2 \_\_\_ Custom Exterior  
 ZJ3 \_\_\_ Interior Decor and Convenience Group  
 ZJ4 \_\_\_ Seat Belt, Check Doors, Low Fuel Warning Lites  
 ZJ5 \_\_\_ Exterior Decor  
 ZK7 \_\_\_ Noise Level Control  
 ZL2 \_\_\_ Special Ducted Hood Air System  
 ZL9 \_\_\_ Luxury Interior  
 ZN5 \_\_\_ Color Coded Rally Wheels  
 ZX5 \_\_\_ Appearance Group  
 Z01 \_\_\_ "Spyder" Model  
 Z02 \_\_\_ Spyder Appearance Equipment  
 Z03 \_\_\_ Landau Equipment  
 Z06 \_\_\_ Luxury Interior Trim  
 ZP5 \_\_\_ Appearance Guard Group  
 ZQ2 \_\_\_ Operating Convenience Group  
 ZQ9 \_\_\_ Rr. Axle Performance Ratio  
 ZR8 \_\_\_ Sport Stripes — White  
 Z10 \_\_\_ Impala "LX" Package  
 Z15 \_\_\_ S.S. Model  
 Z20 \_\_\_ Paint — Two-Tone Accent Pkg.  
 Z20 \_\_\_ Two Tone Accent Package  
 Z21 \_\_\_ Style Trim  
 Z25 \_\_\_ "SS" 396 Package  
 Z26 \_\_\_ S.S.  
 Z29 \_\_\_ G.T. Option  
 Z54 \_\_\_ Interior Decor/Quiet Sound Group  
 Z60 \_\_\_ Monza Towne Coupe  
 Z76 \_\_\_ Monte Carlo "S" Package  
 Z85 \_\_\_ Rally Sport Equipment  
 Z95 \_\_\_ Catalytic Converter Deletion  
 Z95 \_\_\_ Leaded Fuel Option

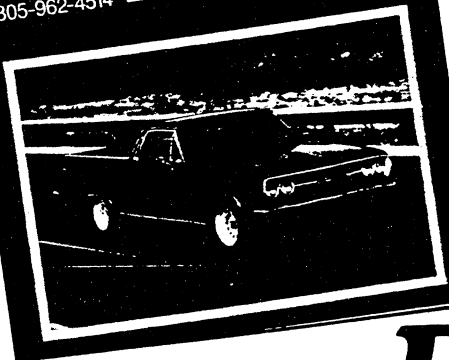
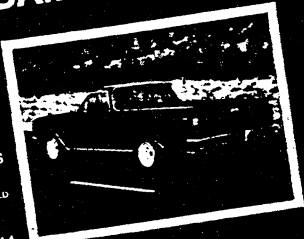


**THE EL CAMINO STORE**

59-60  
64-72

EL CAMINO PARTS

NEW • USED • REFINISHED  
QUALITY • GUARANTEED  
PARTS •  
MO'S • LAIR SPECIALTY  
805-962-4514



**Golden State  
Pickup Parts is  
at it again!**

# The El Camino Store

Photos by Doug Marion

**O**ver the years, whenever readers called us seeking parts or restoration help for their Chevy pickups, we referred them directly to Seth Doulton's Golden State Pickup Parts in Santa Barbara, California. Because of his close proximity to Los Angeles and our similar interests, we've known Seth for a decade. If you live elsewhere,

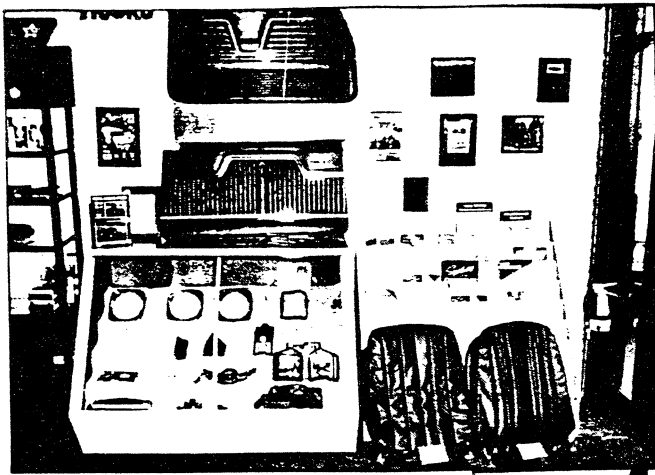
though *Hemming's Motor News* usually lists several other truck parts firms of national repute.

How good is Golden State? Well, they offer a lifetime warranty on just about everything they sell, and SC has never received a call back from anyone seeking more information.

So what's new at Golden State Pickup Parts? Well two years ago, Seth called SC with an idea. It seems that El Camino owners are always calling him for parts and information. Would a division of Golden State Pickup Parts, called



El Camino Store and Golden State Pickup Parts has a well-stocked showroom. Stop by anytime.



El Camino chrome trim, shop manuals, door panels and bucket seat covers on display.

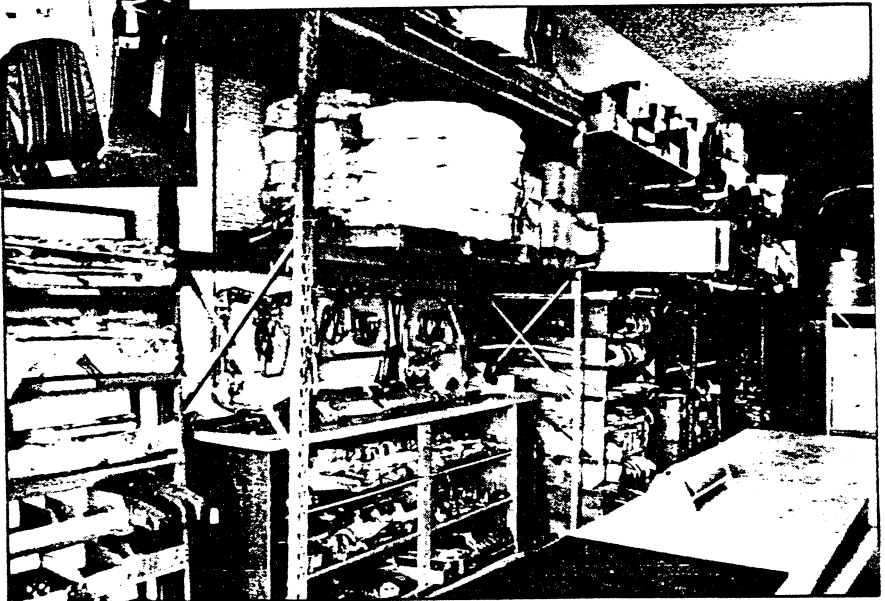
Need rechromed trim and moldings for your 1947-1972 Chevy or GMC pickup or 1959-1972 El Camino?

The El Camino Store, be viable? SC said yes. Seth agreed and the rest is history.

We have purposely refrained from mentioning The El Camino Store too much because with only so much time in a day, week and month, we wanted Seth and crew to get their feet on the ground. As anyone will tell you, servicing everyone's needs is a never-ending job, but at this point in time The El Camino Store is a viable source to satisfy your needs and wants. They have a very professional 50-page catalog covering 1959-1960 and 1964-1972 El Caminos, which costs \$3.

Parts sold at The El Camino Store are backed by the same warranty that applies to other truck parts sold by Golden State. It reads: "The El Camino Store will fully back and replace any part that they sell that becomes defective because of workmanship or material for the life of your truck. That's right, if you buy a chrome bumper from them and in 10 years it rusts, they will replace it free with proof of purchase." They sell new, used and reproduced parts. NOS is their specialty. •

**THE EL CAMINO STORE**  
618 E. Gutierrez St.  
Santa Barbara, CA 93103  
(805) 962-4514



Here's a before-and-after pickup heater system.

Both firms sponsor "Chevy Madnes Day," a huge event held in November at Magic Mountain, north of Los Angeles.



Here are the guys and gals at The El Camino Store /Golden State Pickup Parts. Guy at top-rear is Seth Doulton.



# 1974 MVMA Specifications Form

## Passenger Car

<b>Manufacturer</b> Chevrolet Motor Division General Motors Corporation	<b>Car Line</b> <p style="text-align: center;"><b>CHEVELLE</b></p>	
<b>Mailing Address</b> Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<b>Model Year</b> <p style="text-align: center;">1974</p>	<b>Issued:</b> <b>September 1973</b> <b>Revised (●)</b> <b>January 1974</b>

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

# MVMA Specifications Form

## Passenger Car

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#### NOTES

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

**MVMA Specifications Form  
Passenger Car**

Car Line CHEVELLE  
 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)	
	Model Number	Front	Rear
<u>MALIBU</u>			
2-Door Colonnade Hardtop Coupe	1AC37	3	3
4-Door Colonnade Hardtop Sedan	1AC29	3	3
<u>MALIBU CLASSIC</u>			
2-Door Colonnade Hardtop Coupe	1AD37	3	3
4-Door Colonnade Hardtop Sedan	1AD29	3	3
<u>LAGUNA TYPE S-3</u>			
2-Door Colonnade Hardtop Coupe	1AE37	2	3
<u>STATION WAGONS</u>			
Malibu 4-Door, 2-Seat	1AC35	3	3
Malibu Classic 4-Door, 2-Seat	1AD35	3	3
Malibu Classic Estate, 4-Door, 2-Seat	1AG35	3	3
<u>EL CAMINO</u>			
Standard 2-Door Sedan Pickup	1AC80	3	-
Classic 2-Door Sedan Pickup	1AD80	3	-
NOTE: <u>ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT ARE SPECIFIC TO CALIFORNIA REQUIREMENTS ARE INDICATED ACCORDINGLY.</u>			

# MVMA Specifications Form Passenger Car

Car Line CHEVELLE  
Model Year 1974 Issued 9-73 Revised (e) 1/74

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

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

SAE Ref. No.	Body Type			
	4-Door Sedan	2-Door Coupe	Station Wagon	Sedan Pickup

### Width

Tread - Front	W101	61.5			
Tread - Rear	W102	60.7			
Maximum overall car width	W103	76.6			
Body width at No. 2 pillar	W117	75.5	--	75.5	--
Max. front doors open	W120	139.7	170.7	139.7	170.7
Max. rear doors open	W121	134.7	--	134.7	--

### Length

Body "O" to front of dash	L 30	-0.5			
Wheelbase	L101	116.0	112.0	116.0	
Overall car length (a)	L103	209.2	205.2	215.2	
Overhang - front (b)	L104	40.1			
Overhang - rear (c)	L105	53.2		59.1	
Body upper structure length	L123	101.3	102.0	132.8	58.6
Body "O" line to C/L of rear wheel	L127	97.5	93.5	97.5	
Body "O" line to w/s cowl point	L130	10.5			

### Height

Passenger Distribution (front & rear)		2-3		2-3	2-Front
Trunk/Cargo load (lbs.)	*	200		300	800
Overall height	H101	53.8	53.1	55.7	53.9
Cowl height	H114	38.8		39.7	39.5
Deck height	H136	36.5	36.4	--	--
Rocker panel - front	H112	To ground	8.8	9.7	9.5
		From front wheel C/L			
Bottom of front door to ground	H123	9.8	9.7	10.5	9.7
Rocker panel - rear	H111	To ground	8.2	9.4	8.9
		From rear wheel C/L			
Bottom of rear door to ground	H135	9.1	--	10.4	--
Windshield slope angle	H122	56.5			

### Ground Clearance

Bumper to ground - front	H102	11.6	12.1	12.6	12.6
Bumper to ground - rear	H104	12.0	11.9	11.3	10.6
Angle of approach	H106	11°13'	11°19'	11°44'	11°44'
Angle of departure	H107	15°49'	15°41'	13°19'	12°53'
Ramp breakover angle	H147	13°53'	14°20'	15°4'	14°22'
Rear axle differential to ground	H153	6.1	6.0	7.4	6.8
Min. running clearance (Specify)	H156	5.1(d)		4.8(d)	5.6(e)

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

(d) Front Suspension to Ground  
(e) Exhaust system to ground

		BASE MODELS With I/Strips			LAGUNA TYPE 'S3' With I/Strips & Guards
		4-DOOR	2-DOOR	WAGONS & PICKUP	2-DOOR
(a)	L103	210.3	206.3	215.9	206.9
(b)	L104	40.6	40.6	40.6	40.1
(c)	L105	53.7	53.7	59.3	54.8

# MVMA Specifications Form Passenger Car

Car Line CHEVELLE  
Model Year 1974 Issued 9-73 Revised (●) 1/74

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

### Body Type

SAE Ref. No.	4-Door Sedan	2-Door Coupe	Station Wagon	Sedan Pickup
--------------	--------------	--------------	---------------	--------------

### Front Compartment

H Point to body "O" line	L31	42.3			
Effective head room	H61	38.3	37.7	38.8	37.6
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	59.6			
Hip room	W5	56.0			
Upper body opening to ground	H50	49.9	49.2	50.6	49.8

### Rear Compartment

H Point couple distance	L50	34.6	31.0	33.1	--
Effective head room	H63	37.5	37.0	39.4	--
Min. effective leg room	L51	36.9	32.9	36.8	--
H Point to Heel point	H31	11.0	10.1	11.3	--
Min. knee room	L48	1.4	-1.3	0.0	--
Rear Compartment room	L3	26.7	24.2	27.3	--
Shoulder room	W4	58.9	57.5	58.9	--
Hip room	W6	57.9	52.9	57.0	--
Upper body opening to ground	H51	48.9	--	50.3	--

### Luggage Compartment

Usable luggage capacity (cu. ft.)(+)	V1	15.3	--	26.2
Liftover height	H195	22.0	--	--
Position of spare tire storage		Centered in forward trunk area	(a)	(b)
Method of holding lid open		Boxed hinges with torsion rod	(c)	--

### Station Wagon — Third Seat

Shoulder Room	W85	--	42.8	--
Hip room	W86	--	36.5	--
Effective leg room	L86	--	27.8	--
Effective head room	H86	--	37.8	--
Seat facing direction		--	Rearward	--

### Station Wagon — Cargo Space

Cargo length at floor - front seat	L202	--	90.2	80.8
Cargo length at belt - front seat	L204	--	82.9	71.4
Cargo width - Wheelhouse	W201	--	44.5	45.3
Opening width at belt	W204	--	62.8	--
Maximum cargo height	H201	--	30.1	--
Rear opening height	H202	--	27.4	--
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	--	85.0*	38.0

(a) - Right rear quarter.

(b) - Behind passenger's seat

(c) - Station wagons, compression spring type telescoping mechanism.

\* - Concealed stowage compartment 9.8 cu. ft. 2-seat, 5.8 cu. ft. 3-seat.

+ - Corporation 'H' (Shoe Box) method of measurement is used.

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) 1/74

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

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

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO * (Std. first) (Indicate A/C ratio) #	
	Displ. cu. in.	Carb.	Compr. Ratio	SAE Net @ RPM			'A'	'B'
				BHP	Torque			
<b>COUPE - SEDANS - PICKUPS</b>								
1AC/AD 29&37 (Standard) (all states)	Turbo Thrift 250L6 (L22)	One; 1-bbl	8.25:1	100 @ 3600	175 @ 1800	3-Spd. manual (2.85:1 low) 3-Spd. automatic	3.08	--
1AC/AD 29&37 (Optional)	Turbo Fire 350V8 (L65)	One; 2-bbl	8.5:1	145 @ 3800	250 @ 2200	3-Spd. manual (2.54:1 low) 3-Spd. automatic*	3.08	-- 3.42
1AC/AD 80, 1AE37 (Standard) (not available in California)								
1AC/AD 29&37 1AD/AD80, 1AE37 (Optional) (California only)	Turbo Fire 350 V8 (L65)	One; 4-bbl	8.5:1	160 @ 3800	250 @ 2400	3-Spd. manual (2.54:1 low) 3-Spd. automatic*	3.08	2.73 3.42
All models (Optional) (not available in California)	Turbo Fire 400 V8 (LF6)	One; 2-bbl	8.5:1	150 @ 3200	295 @ 2000	3-Spd. automatic	2.73	3.42
All models (Optional) (California only)	Turbo Fire 400 V8 (LT4)	One; 4-bbl	8.5:1	180 @ 3800	290 @ 2400	3-Spd. automatic	2.73	3.42
1AC/AD/AE37 1AC/AD80 (Optional) (all states)	Turbo Jet 454 V8	One; 4-bbl	8.25:1	235 @ 4000	360 @ 2800	4-Spd. manual (2.20:1 low) 3-Spd. automatic*	3.42	-- 3.42
All models (Optional) (all states)								
*-Optional **-Positraction available optionally for all ratios #-Same ratios available for A/C (V-8 engines only) A-Standard B-Trailer option								

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) 1/74

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

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

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A/C ratio)	
	Displ. cu. in.	Carb.	Compr. Ratio	SAE Net: @ RPM			"A"	"B"
				BHP	Torque			
<b>STATION WAGONS</b>								
All models (Standard) (not available in California)	Turbo- Fire 350 V8 (L65)	One; 2-bbl	8.5:1	145	250	3-Spd. manual(a) (2.54:1 low)	3.42	--
				@ 3600	@ 2200		3-Spd. automatic*	3.08
All models (Optional) (California only)	Turbo- Fire 350 V8 (LM1)	One; 4-bbl	8.5:1	160	250	3-Spd. manual(a) (2.54:1 low)	3.42	--
				@ 3800	@ 2400		3-Spd. automatic*	3.08
All models (Optional) (not available in California)	Turbo- Fire 400 V8 (LF6)	One; 2-bbl	8.5:1	150 @ 3200	295 @ 2000	3-Spd. automatic	3.08	3.42
All models (Optional) (California only)	Turbo- Fire 400 V8 (LT4)	One; 4-bbl	8.5:1	180 @ 3800	290 @ 2400	3-Spd. automatic	3.08	3.42
All models (Optional) (all states)	Turbo- Jet 454 V8 (LS4)	One; 4-bbl	8.25:1	235 @ 4000	360 @ 2800	3-Spd. automatic	2.73	3.42
(a) Malibu Series Wagon Only *-Optional **-Positraction available optionally for all ratios #-Same ratios available for A/C (V-8 engines only) A-Standard B-Trailer option								

# MVMA Specifications Form Passenger Car

Car Line CHEVELLE  
Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

## Engine Displacement

L6-250 C.I. L22	V8-350 C.I. (L65)   (LM1)	V8-400 C.I. LF6   LT4	V8-454 C.I. LS4
--------------------	------------------------------	--------------------------	--------------------

## Engine — General

Type, no. cyls., valve arr.	In-line 60 OHV	90° V8 OHV			
Bore and stroke (nominal)	3.875x3.53	4.00x3.48	4.126x3.75	4.251x4.00	
Piston displacement, cu. in.	250	350	400	454	
Bore spacing (C/L to C/L)	4.40			4.84	
No. system (front to rear)	L. Bank	1-2-3-4-5-6	1-3-5-7		
	R. Bank	In-line	2-4-6-8		
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2			
Cylinder Head Material:	Cast alloy iron				
Cylinder Block Material:	Cast alloy iron				
Cyl. Sleeve-Wet. dry, none	None				
Number of mtg. points	Front	Two			
	Rear	One			
Engine installation angle	4°46'				
Taxable horsepower	Dra 2 x No. Cyl 2.5	36.0	51.2	54.5	57.8
Recommended fuel: regular — premium	Unleaded or low lead				
Cylinder Head Volume (cc)	72.75	75.47	75.47	115.38	
Head Gasket Thickness (Compressed)	.032	.021	.039	.028	
Head Gasket Volume (cc)	6.86	4.58	8.81	7.01	
Deck Clearance (from nominal (above or below block)	.008 (below)	.025 (below)	.025 (below)	.028 (below)	
Minimum Combustion Chamber Volume (cc)	71.71	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	28.80	21.23	21.92	25.94		
Clearance (limits)	Top land	.0245-.0335	.0235-.0325	.0365-.0455	.0270-.0330	
	Skirt	Top	.0005-.0015(a)	.0007-.0017(b)	.0014-.0024(b)	.0018-.0028(c)
		Bottom				
Ring groove diameter	No. 1 ring	3.434-3.444	3.541-3.556	3.649-3.659	3.770-3.780	
	No. 2 ring	3.434-3.444	3.541-3.556	3.649-3.659	3.770-3.780	
	No. 3 ring	3.446-3.456	3.577-3.592	3.678-3.688	3.803-3.813	

(a) Measured 2.44 from top of piston

(b) Measured 1.56 from top of piston

(c) Measured 1.65 from top of piston



# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

### Engine Displacement

L6-250 C.I. L22	V8-350 C.I. L65   LM1	V8-400 C.I. LF6   LT4	V8-454 C.I. LS4
--------------------	--------------------------	--------------------------	--------------------

### Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.	Compression		
	No. 2. oil or comp.	Compression		
	No. 3. oil or comp.	Oil		
Compression	Description - material, coating etc.	Upper Cast alloy iron, barrel face		
		Lower Cast alloy iron, inside bevel, tapered face (b)		
	Width	(c)	(d)	.0770-.0780   .0770-.0775
	Gap	.010-.020	(e)	.010-.020
Oil	Description - material, coating etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel chrome plated OD; Expander-stainless steel		
	Width (assembled)	.1870-.1890	.1850-.1870	.1845-.1865   .1855-.1875
	Gap	.015-.055	.010-.025	.010-.030
Expanders	In oil ring assembly			

### Engine - Piston Pins

Material	Chromium steel		
Length	2.990-3.010		2.930-2.950
Diameter	.9270-.9273		.9895-.9898
Type	Locked in rod in piston, floating, etc.	Locked in rod	
	Bushing In rod or piston Material	None	
Clearance	In piston	.00015-.00025	.00025-.00035   .00045-.00055
	In rod	--	
Direction & amount offset in piston	Major thrust side .060		

### Engine - Connecting Rods

Material	Drop forged steel		
Weight (oz.)	14.24	20.80	21.44   27.84
Length (center to center)	5.695-5.705		5.560-5.570   6.130-6.140
Bearing	Material & Type	Copper lead alloy (sintered stl. bkd.)	Premium aluminum
	Overall length	.807	.797   .847
	Clearance (limits)	.0007-.0027	.0013-.0025   .0013-.0035
	End Play	.007-.016	.006-.016   .008-.014   .015-.023

- (a) - L6-250, V8-400, V8-454 - Wear resistant coating, molybdenum inlay also graphite impregnated on L6-250 & V8-454. Chrome plated on V8-350.
- (b) - L6-250 & V8-350 - Wear resistant coating. V8-400 & 454 chrome plated
- (c) - Upper .0075-.0780; Lower .0770-.0780
- (d) - Upper .0075-.0780, Lower .0770-.0775
- (e) - Upper .010-.020; Lower .013-.025

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

Engine Displacement			
L6 -250 C.I. L22	V8-350 C.I. L65   LM1	V8-400 C.I. LF6   LT4	V8-454 C.I. LS4

### Engine—Crankshaft

Material		Cast nodular iron				
Vibration damper type		Rubber mounted inertia				
End thrust taken by bearing (No.)		7		5		
Crankshaft end play		.002-.006		.002-.007		
				.006-.010		
Main bearing	Material & type	Steel backed insert with copper lead alloy or premium aluminum lining selected for specific application				
	Clearance	.0003-.0029		(a)		
	Journal dia and bearing overall length	No. 1	2.3004x.752	2.4502x.752	2.6503x.752	2.7499x.992
		No. 2	2.3004x.752	2.4502x.752	2.6503x.752	2.7504x.992
		No. 3	2.3004x.752	2.4502x.752	2.6503x.752	2.7504x.992
		No. 4	2.3004x.752	2.4502x.752	2.6503x.752	2.7504x.992
		No. 5	2.3004x.752	2.4508xl.180	2.6509xl.181	2.7505xl.256
		No. 6	2.3004x.752	None		
		No. 7	2.3004x.760	None		
	Dist. & amt. cyl. offset	None				
No. bolts/main brg. cap	14 bolts / 7 caps		10 bolts / 5 caps			
Crankpin journal diameter	1.999-2.000		2.099-2.100			
				2.199-2.200		

### Engine—Camshaft

Location		(c)	In block above crankshaft		
Material		Cast alloy iron			
Bearings	Material	Steel backed babbitt			
	Number	4	5		
Type of Drive	Gear or chain	Gear	Chain		
	Crankshaft gear or sprocket material	Steel	Steel sprocket		
	Camshaft gear or sprocket material	(d)	Nylon teeth with aluminum head		
	Timing chain	No. of links	None	46	50
		Width	None	.625	.750
Pitch		None	.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

(c) Above end to right of crankshaft

(d) Bakelite and fabric composition with steel hub

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

### Engine Displacement

L6-250 C.I.		V8-350 C.I.		V8-400 C.I.		V8-454 C.I.	
"A"	"B"	L65	LM1	LF6	LT4	LS4	

### Engine—Valve System

Hydraulic lifters (Std., opt., NA)		Standard						
Valve rotator, type (intake, exhaust)		None			Exhaust			
Rocker ratio		1.75:1		1.50:1		1.70:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero						
	Exhaust	Zero						
Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°	16°	28° (44°)		55°	
		Closes (°ABC)	48°	48°	72° (96°)		111°	
		Duration (deg.)	244°	244°	280° (320°)		346°	
	Exhaust	Opens (°BBC)	64°	46° 30'	78° (88°)		105°	
		Closes (°ATC)	50°	17° 30'	30° (66°)		63°	
		Duration (deg.)	294°	244°	288° (334°)		348°	
	Valve open overlap (deg.)		66°	33° 30'	58° (110°)		118°	
Material		Alloy steel, aluminized face for L6-250 & V8-454						
Overall length		4.902-4.922		4.870-4.889		5.215-5.235		
Actual overall head dia.		1.715-1.725		1.935-1.945		2.060-2.070		
Angle of seat & face (deg.)		46° seat; 45° face						
Seat insert material		None						
Stem diameter		.3410-.3417				.3715-.3722		
Stem to guide clearance		.0010-.0027						
Intake	Lift (@ zero lash)		.3880	.3880	.3900 (.4006)		.4400	
	Outer spring press. & length	Valve closed (lb. @ in.)	56-64 @ 1.66		76-84 @ 1.70		74-86 @ 1.88	
		Valve open (lb. @ in.)	180-192 @ 1.27		194-206 @ 1.25		288-312 @ 1.36	
	Inner spring press. & length	Valve closed (lb. @ in.)	None		Spring damper			
		Valve open (lb. @ in.)	None		Spring damper			
	Material		High alloy steel aluminized face (also head on LS4)					
	Overall length		4.913-4.933				5.345-5.365	
Actual overall head dia.		1.495-1.505				1.715-1.725		
Angle of seat & face (deg.)		46°-seat; 45°-face						
Seat insert material		None						
Stem diameter		.3410-.3417				.3715-.3722		
Stem to guide clearance		.0010-.0027						
Exhaust	Lift (@ zero lash)		.4051	.3880	.4100 (.4100)		.4400	
	Outer spring press. & length	Valve closed (lb. @ in.)	56-64 @ 1.66		76-84 @ 1.61		74-86 @ 1.88	
		Valve open (lb. @ in.)	180-192 @ 1.27		194-266 @ 1.16		288-312 @ 1.38	
	Inner spring press. & length	Valve closed (lb. @ in.)	None		Spring damper			
		Valve open (lb. @ in.)	None		Spring damper			

Note: Bracketed ( ) data pertains to engines used in California  
 'A' - Data pertains to engine, with manual transmissions - all states and with automatic transmissions in California  
 'B' - Data pertains to engine with automatic transmission - all states except California

# MVMA Specifications Form Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

Engine Displacement			
L6-250 C.I. L22	V8-350 C.I. L65   LMI	V8-400 C.I. LF6   LT4	V8-454 C.I. 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	Nozzle	Centrifugally oiled from crankshaft bearing	
	Cylinder walls	Splash	Pressure jet cross sprayed	
Oil pump type	Gear			
Normal oil pressure (lb. / sq. in. @ engine rpm)	36-41 @ 2000	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, partial, other)	Full Flow			
Filter replacement (in-place, complete)	Complete			
Capacity of oil sash (incl. filter-residual)	4			
Oil grade recommended (SAE viscosity and to temperature range)	20° F and above 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 0° to 60° F-10W, SW-30, 10W-30, 10W-40 Below 20° F-SW-20, SW-30			
Oil change service reqmt. (SD, SE, etc.)	SE			

## Engine — Exhaust system

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual with resonators*
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		2-mufflers 2-resonators*
Exhaust pipe dia. (O.D. & wall thick.)	Branch	2.00x.090 (a)	2.00x.062 (b)
	Main	2.25x.086 (a)	2.25x.082 (a)
Exhaust pipe dia. (O.D. & wall thickness)	2.00x.062		

\* No resonators with station wagons & pickups

(a) Laminated

(b) Pipe-muffler to resonator

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

### Engine Displacement

L6-250 C.I. L22	V8-350 C.I. LM1   L65	V8-400 C.I. LF6   LT4	V8-454 C.I. LS4
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### Engine — Fuel System

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

Induction type: Carburetor, fuel injection, supercharger		Carburetor				
Fuel Tank	Refill capacity (U. S. gals.)	Approximately 22; Pickup 26				
	Filter location	Behind hinged, rear license plate				
Fuel Pump	Type (elec. or mech.)	Mechanical				
	Locations	Lower right front of engine				
	Pressure range (a)	4.00-5.00	7.50-9.00			
Vacuum booster (std., optional, none)		None				
Fuel Filter	Type	Fine mesh plastic strainer in gas tank				
	Locations	and paper filter element in carburetor inlet				
Carburetor	Choke type	Automatic				
	Intake manifold heat control (exhaust or water)	Exhaust				
	Air cleaner type	Standard	Thermostatically controlled; oil wetted paper element			
		Optional	---			
	Idle speed (spec. neutral or drive)	Manual	850	900	Not available	800
Automatic		600	600 in drive			
Idle A F mix		Not specified				

### Carburetor Supplementary Information

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
1AC-29 & 37 1AD-29 & 37	250 L22	Manual Automatic	Rochester	7044017 7044014 (7044314)	One; 1-bbl	1.69
ALL MODELS	350 L65	Manual Automatic	Rochester	7044113 7044114 (7044503)	One; 2-bbl	1.69
	350 LM1	Manual Automatic	Rochester	(7044502)	One; 4-bbl	1.38 Prim. 2.25 Sec.
	400 LF6	Automatic	Rochester	7044118	One; 2-bbl	1.69
	400 LT4	Automatic	Rochester	(7044526)	One; 4-bbl	1.38 Prim. 2.25 Sec.
	454 LS4	Manual Automatic	Rochester	7044201 7044223 (7044500)	One; 4-bbl	1.38 Prim. 2.25 Sec.

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

(a) 1800 RPM at pump outlet

# MVMA Specifications Form Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

Engine Displacement

L6-250 C.I. L22	V8-350 C.I. L65   LM1	V8-400 C.I. LF6   LT4	V8-454 C.I. LS4
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## Engine — Cooling System

Type system (pressure, pressure-vented, atmospheric, other)	Pressure-vented thru coolant recovery system			
Radiator cap relief valve pressure	15 PSI			
Circulation thermostat:	Type (choke, bypass)	Choke		
	Starts to open at (°F)	192°-198°		
Water pump:	Type (centrifugal, other)	Centrifugal		
	GPM @ 2000 pump rpm	21.0	22.7	23.3   25.8
	Number of pumps	One		
	Drive (V-belt, other)	V-belt		
Bearing type	Permanently lubricated double row ball			
Bypass valve location (int., ext.)	Internal		External	
Radiator flow type (cross-flow, vertical, diagonal, tube and fin, other)	Cross flow; tube and center			
Cooling system capacity:	Watts/heats (qt.)	14	18	24
	Watts/heater (qt.)	-	-	-
	Watts/compartment-specify (qt.)	14	18	24
Water jacket length of cyl. (yes, no)	Yes			
Water jacket 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			
By-pass	Number and type (molded, straight)			
	None			
Fan:	Inside diameter			
	1.50			
	Number of blades & spacing			
	4-staggered			
Diameter	17.62	18.00	19.50	
	Ratio to crankshaft rev.	1.165:1	.949:1	1.25:1
Fan clutch type				
Thermo modulated clutch on V8-454 only				
Bearing type				
Double row ball				
*Drive belts (indicate belt use by letter)	Fan	A	D	G
	Generator or alternator	A	D	G
	Water Pump	A	D	G
	Power Steering	B	E	H
	Air Conditioning	-	F	I
Air Injection		C*	D	G

(\*) Used with engine/mnl trans-all states and engine/auto trans-California

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	34°-38°										
Nominal length (SAE)	38.00	48.50	37.50	47.50	36.00	55.00	50.00	41.00	58.50		
Width	.380										

**MVMA Specifications Form  
Passenger Car**

Car Line CHEVELLE  
Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

**Engine Displacement**

L6-250 mnl. trans. V8-454 V8-350 L65&400LF6 All states except California	L6-250&V8-454 V8-350 LM1&400LT4 California only	L6-250 auto. trans. -All states except California
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**Vehicle Emission Control**

	Type (Air injection, engine modifications, other)		Air injection	Engine Modifications	
			Semi-articulated vane type		
Air Injection Pump	Type	19.3 cubic inch			
	Displacement	1.15:1(250,350&400):1.31:1 (454)		Controlled	
	Drive ratio	Crankshaft pulley			
	Drive type	Diverter valve		Combustion	
	Relief valve (type)	Centrifugal air cleaner			
	Filter (describe)				
Air Injection System	Air distribution (head, manifold, etc.)	Head (L6); Manifold (V8)		System	
	Point of entry	Cylinder head (L6); Exhaust ports (V8)			
	Injection tube i.d.	.2700			
	Check valve type	Pressure plate type			
	Backfire protection (type)	Diverter valve			
Exhaust Emission Control	Type (controlled flow, open orifice, other)	Controlled flow			
	Valve type	Vacuum modulated shut off and metering valve			
	Valve location	L6-250 & V8-454 left front V8-350 & 400 right rear of inlet manifold			
	Control energy source	Carburetor vacuum			
	Exhaust source	Manifold heat passage L6; Manifold exhaust crossover V8			
	Exhaust cooler type	None			
	Orifice no. and size	One; .030 (a)			
	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold			
Other	Carburetor	Thermostatically controlled air cleaner			
	Heated Air	regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission			
	Transmission	Regulates vacuum to distributor vacuum			
	Controlled Spark (with manual transmissions)	advance to reduce hydrocarbon and oxides of nitrogen emissions in low and intermediate speed ranges			
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)	Standard	Induction system		
		Optional	---		
	Control Unit	Make and model	AC Spark Plug 6487935 (L6);		
		Location	Rocker cover - top rear L6 and left front V8		
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum		
		Control method (variable orifice, fixed orifice, other)	Variable orifice		
	Complete System	Discharges (to intake manifold, other)	Intake manifold		
		Air inlet (breather cap, other)	Carburetor air cleaner		
		Flame arrestor (screen, other)	Screen		

(a) LT4 California engine - Dual diaphragm, single orifice

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

Car Line **CHEVELLE**  
 Model Year **1974** Issued **9-73** Revised (•)

**Engine Displacement**

L6-250mn'l. trans. V8-454 V8-350 L65&400LF6 All states except Calif.	L6-250 & V8-454 V8-350LM1&400 LT4 California only	L6-250 auto. trans. All states except California
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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, cannister, other)	Canister ---
	Carbu- retor	Vapor vented to (crankcase, cannister, other)	Internally vented ---
		Vapor Storage	Storage provision (crankcase, cannister, other)
	Volume (cu. ft.) or capacity (grams)		Approximately 50 grams storage capacity
	Control valve type		L6-Staged purge valve controlled by throttle position V8-Controlled by orifices and carburetor throttle body and throttle blade position.



# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

### Engine Displacement

L6-250 C.I.	V8-350 & 400 C.I.	V8-454 C.I.
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### Electrical — Supply System

Battery	Make and Model	Delco Remy 1980199	1980200	1980204	
	Voltage Rtg. & Total Plates	12 volts - 54 plates	12 volts - 66 plates	12 volts - 78 plates	
	Cranking Power	2300 watts @ 0°F	2900 watts @ 0°F	4000 watts @ 0°F	
	Location	Right front side of engine compartment			
	Terminal grounded	Negative			
Generator or Alternator	Make	Delco-Remy			
	Model	1100947	1100934		
	Type and rating	Diode rectified - 37 amps			
	Output at engine idle (neutral)	12-20 amps			
	Ratio—Gen. to Cr/s rev.	2.73:1		3.12:1	
Regulator	Make	Delco-Remy			
	Model	---			
	Type	Micro circuit unit; integral with alternator			
	Cutout relay	Closing voltage @ generator rpm	None		
		Reverse current to open	None		
	Regulated	Voltage	13.8 - 14.8 @ 85°F		
		Current	--		
	Voltage test conditions	Temperature	Operating		
		Load	3-8 amperes		
Other		None			

### Electrical — Starting System

Starting Motor	Make	Delco-Remy			
	Model	1108365	1108430		
	Rotation (drive end view)	Clockwise			
Motor Drive	Engagement type	Positive shift solenoid			
	Pinion meshes (front, rear)	Rear			
	Number of teeth	Pinion	9	9	
		Flywheel	Manual	153	168
			Auto	153	168
	Flywheel tooth face width	Manual	.4010-.4130	.4100-.4220	
		Auto.	.4010-.4130	.4100-.4220	

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-23 Revised (●) 1/74

### Engine Displacement

L6-250 C.I. L22	V8-350 C.I. L65   LM1	V8-400 C.I. LF6   LT4	V8-454 C.I. LS4
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### Electrical — Ignition System — Distributor

Breaker gap (in.)	.019						
Cam angle (deg.)	33-34	.29-31					
Brkr arm tension (oz.)	19-23					28-32	
Distributor ●	Manual	1110499	1112844	(1112543)	Not available		1112113
	Automatic	1110499	1112844	(1112093)	1112846	(1112545)	1112113
Timing ●	Manual	6°BTC @ 850	0°BTC @ 900	4°BTC @ 900	---		10°BTC @ 800
	Automatic	8°BTC @ 950	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 Degrees at Engine RPM / In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
1110499	0° @ 950-1280	12.5-16.5 @ 2400	22-26 @ 4100	0° @ 6-8	21.5-26.3 @ 15
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
1112545	0° @ 700-1300	----	16-20 @ 3900	0° @ 7-9	13.5-19 @ 15.5
1112543	0° @ 800-1200	13-15 @ 2400	20-24 @ 4200	0° @ 5-7	13.5-16.5 @ 13.5
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 CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

### Engine Displacement

L6-250 C. I.	V8-350 C. I.	V8-400 C. I.	V8-454 C. I.
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### Electrical—Ignition System

Type	Conventional - Std., Opt., N.A.	Standard		
	Transistorized - Std., Opt., N.A.	Not available		
	Other (specify)	None		
Coil	Make	Delco-Remy		
	Model	1115208	1115293	
	Amps	Engine stopped	4.0	
		Engine idling	1.8	
Spark Plug	Make	AC Spark Plug		
	Model	ACR46T	ACR44T	
	Thread (mm)	14		
	Tightening torque (lb. ft.)	15		
	Gap	.033-.038		
Cable	Conductor type	Linen core impregnated with electrical conducting material		
	Insulation type	Rubber with neoprene jacket		
	Spark plug protector	Neoprene		

### Electrical—Suppression

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

Speed-ometer	Type	In-line with pointer
	Trip odometer (std. opt., N.A.)	Not available
Charge indicator - type		Tell-tale
Temperature indicator - type		Tell-tale
Oil pressure indicator - type		Tell-tale
Fuel indicator - type		Electric gauge
Wind-shield wiper	Type - Standard	Electric two-speed
	Type - Optional	None
Wind-shield washer	Type - Standard	Push button
	Type - Optional	None
Horn	Type	Vibrator
	Number used	One; Two optional
	Amp draw (each)	4.5-6.5 @ 12.5 (low note)
Other		Restraint system warning light and buzzer Parking brake and parking brake warning light

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

### Engine Displacement

L6-250 C.I. L22	V8-350 C.I. L65   LM1	V8-454 C.I. LS4
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### Drive Units—Clutch (Manual Transmission)

Make & type	Chevrolet Single dry disc	Chevrolet Single dry disc, centrifugal		
Type pressure plate springs	Diaphragm	Diaphragm bent finger design		
Total spring load (lb.)	1650-1900	2100-2300	2450-2750	
No. of clutch driven discs	One			
Clutch facing	Material Woven type asbestos			
	Outside & inside dia	9.12x6.12	10.34x6.50	11.00x6.50
	Total eff. area (sq. in.)	71.82	101.54	123.70
	Thickness	.135		.140
	Engagement cushioning method	Flat spring steel between facings		
Release bearing	Type & method of lubrication Single row ball, packed and sealed			
Force or damping	Method, springs, friction material Coil springs			

### Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	Standard	Not available
Manual 4-speed (std., opt., N.A.)	Not available	Standard
Automatic (std., opt., N.A.)	Optional-standard with V8-400 engines	

### Drive Units — Manual Trans.

Number of forward speeds		3	3	4	
Transmission ratios	In first	2.85	2.54	2.20	
	In second	1.68	1.50	1.64	
	In third	1.00	1.00	1.27	
	In fourth	--	--	1.00	
	In reverse	2.95	2.63	2.26	
Synchronous meshing, specify gears		All forward gears			
Shift lever location		Steering column 3-speed Floor mounted 4-speed			
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 **CHEVELLE**  
 Model Year **1974** Issued **9-73** Revised (●) **1/74**

### Engine Displacement

L6-250 C.I.	V8-350 & 400 C.I.	V8-454 C.I.
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## Drive Units—Automatic Transmission

Trade name		Turbo Hydra-matic	
Type (describe)		Torque converter with planetary gears	
Selector location		Lever-steering column; floor mounted when used with console and optional bucket seats	
Gear Ratios	P	Park	Park
	R	1.93	2.08
	N	Neutral	Neutral
	D	2.52-1.52-1.00	2.48-1.48-1.00
	L2	2.52-1.52	2.48-1.48
	L1	2.52	2.48
Max. upshift speed - drive range		67	82
Max. kickdown speed - drive range		64	79
Torque converter		3	
Number of elements		3	
Max. ratio at stall		2.00	
Type of cooling (air, liquid)		Water	
Nominal diameter		11.75	
Lubricant	Capacity - refill (pt.)	8	
	Type recommended	A suffix A	
Special transmission features			

## Drive Units—Axle

Type (front, rear)		Rear	
Description		Semi-floating axles, overhond hypoid drive pinion and ring gear	
Limited Slip differential, type		Disc clutches	
Drive Pinion Offset		1.50	
No. of differential pinions		Two	
Pinion adjustment (shim, other)		Shims	
Pinion bearing adj. (shim, other)		Collapsible sleeve	
Wheel bearing type		Direct single row cylindrical	
Capacity (pt.)		4.25 (8-1/2 ring gear); 4.9 (8-7/8 ring gear)	
Type recommended		Open Diff: Meeting Military Specs. MIL-L-2105-B	
Lubricant	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
		Extreme cold	SAE 80

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

Axle ratio	2.73	3.08	3.42	2.73	3.08	3.42
No. of teeth	Pinion	15	13	12	15	13
	Ring gear	41	40	41	41	40
Ring Gear O. D.	8.50			8.875		

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

Engine Displacement

--

### Drive Units—Propeller Shaft

Number used		One
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube
Outer diam. x length* x wall thickness	Manual 3-speed trans	3.00x57.65x0.065 (116" wheel base) 2.75x53.65x0.065 (112" wheel base)
	Manual 4-speed trans	Same as 3-speed
	Automatic transmission	Same as 3-speed
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	Chevrolet 1285, Saginaw 27 <del>8</del> 32
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	Strap & bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-pack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

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

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) 1/74

Body Type And/Or Engine Displacement, Etc.

1AC29/37 1AD29/37	● 1AE 37	1AC/AD/AG35	1AC/AD 80
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### Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply	E78x14B **	G70x14B	H78x14B	G78x14B	
	Type (bias, radial, etc.)	Bias belted	Bias belted	Bias belted		
	Maximum load inflation pressure (cold)	Front *	28	28	28	30
		Rear *	32	28	32	32
Rev./mile @ 45 mph		796	777	752	772	
WHEELS	Type & material	Spoke disc	Rally steel	Short spoke disc steel		
	Rim (size & flange type)	14x6	14x7	14x6	14x6	
	Attachment	Type (bolt or stud)	Stud			
		Circle diameter	4.75			
		Number & size	5 hex nuts 7/16-20 UNF-2B			
Spare wheel (same or other)	Same					

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

Size, load range, ply	G78x14B **	HR70x15B	HR78x15B	G70x14B
Type (bias, radial, etc.)	Bias belted	Stl. bltd. radial	Stl. bltd. radial	Bias belted
Wheel type & material	Spoke disc	Rally, steel	Cast urethane	Cast urethane
Rim (size & flange type)	14x6 (a)	15x7	Turbine 14x7	Turbine 14 x 7
Size, load range, ply	H78x14B	GR70x15B	HR70x15B	H78x14B
Type (bias, radial, etc.)	Bias belted	Stl. bltd radial	Stl. bltd. radial	Bias belted
Wheel type & material	Cast urethane	rally steel	Spoke disc	Spoke disc
Rim (size & flange type)	Turbine 14x7	15 x 7	15x7	15x7 (a)
Size, load range, ply	G70x14B			GR78x15B
Type (bias, radial, etc.)	Bias belted			Stl. bltd. radial
Wheel type & material	Cast urethane			Spoke disc
Rim (size & flange type)	Turbine 14x7			15x7 (a)
Size, load range, ply	GR70x15B			GR70x15B
Type (bias, radial, etc.)	Stl. bltd. radial			Stl. bltd. radial
Wheel type & material	Spoke disc			Spoke disc
Rim (size & flange type)	15x7 (b)			15x7 (a)
Size, load range, ply	GR78x15B			
Type (bias, radial, etc.)	Stl. bltd. radial			
Wheel type & material	Spoke disc			
Rim (size & flange type)	15x7 (b)			

**Brakes — Parking** (a) 14x7 Turbine also available optionally  
 (b) 15x7 Rally also available optionally

Type of control	Apply-foot pedal; release "T" handle		
Location of control	Under instrument panel, left of steering column		
Operates on	Rear service brakes		
If separate from service brakes	Type (internal or external)	---	
	Drum diameter	---	
	Lining size (length x width x thickness)	---	

\*Full rated pressures shown; selective tire pressures are contingent on weight of vehicles.

\*\* E78x14B base on 6 cyl. engine; G78x14B base on V8 engines

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Body Type And/Or Engine Displacement

Sedan, Coupe & Pickup	Station Wagons
-----------------------	----------------

### 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 (except station wagons)		
Power Brake (std., opt., N.A.)			Optional	Standard	
Booster Type (remote, integral, etc.)			Integral		
Effective area (sq. in.) *			101.9	109.3	
Gross lining area (sq. in.) **			111.2	123.1	
Swept area (sq. in.) ***			337.3	356.1	
Effectiveness		Front	Controlled by valving		
		Rear	Controlled by valving		
Drum	Diameter (nominal)	Front	---		
		Rear	9.5	11.0	
Type and material		Composite; finned, 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	0.938	
Master Cylinder	Bore		1.00		
	Stroke		Manual 1.61; Power 1.46		
Pedal arc ratio			Manual 6.3:1; Power 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.		
Brake Lining	Bonded or riveted		Riveted		
	Front Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or out-board	5.40x1.92x0.465	
			Second or in-board	5.40x1.92x0.465	
		Segments per shoe		One	
	Rear Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	7.58x2.0x0.23	8.95x2.0x0.25
			Second or in-board	9.84x2.0x0.30	11.59x2.0x0.29
		Segments per shoe		One	

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

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

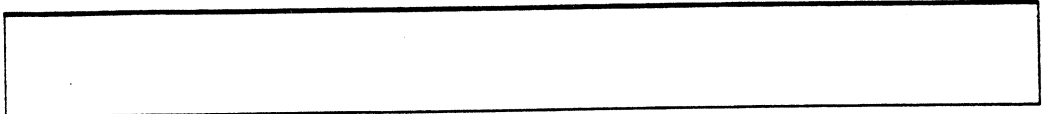
\*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)



# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_



### Steering

Manual std. opt. NA)		Standard; energy absorbing steering column		
Power std. opt. NA)		Optional (standard on model 1AE37)		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: universal jointed steering shaft at base of steering wheel; 5 inch vertical travel		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	15.25x14.75 (Oval)		
	Power	Same		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	Manual 42.64; Power 42.84 except St. wagons 42.64	
		Curb to curb (l. & r.)	Manual 39.46; Power 39.68 except St. wagons 39.49	
	Inside rear	Wall to wall (l. & r.)	---	
		Curb to curb (l. & r.)	---	
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make	Saginaw Steering	
		Ratios	28.0:1	
	No. wheel turns (stop to stop)	Overall	32.8:1 on center to 34.7:1	
			6.64	
Power	Type (coaxial linkage, etc.)	Integral gear with power piston and vane type pump		
	Make	Saginaw Steering		
	Gear	Type	Same as manual	
		Ratios	Gear	16.0:1 on center to 13.0:1; St. wags. 15.0:1 on center to 13.0:1
		Overall	17.6:1 on center to 14.3:1; St. wags. 18.7:1 on center to 16.1:1 (a)	
	Pump driven by	Crankshaft pulley		
No. wheel turns (stop to stop)	3.10; St. Wags. 3.28; Pickup 2.96			
Linkage	Type	Parallelogram (b)		
	Location (front or rear or wheels, other)	Front		
	Drag link (trans. or longit.)	None		
	Tie rods (one or two)	Two		
Steering Axis	Inclination at camber (deg.)	9.6 @ 1° camber		
	Bearings (type)	Upper	Ball stud with non-metallic surfaces	
		Lower	Ball stud with non-metallic surfaces	
		Thrust	None	
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)	Manual-N1-1/4± 1/2; Power-N1/4± 1/2		
	Camber (deg.)	Left-hand P±1/2; Right-hand P-1/2±1/2		
	Toe-in (outside track inches)	1/16 ± 1/16		
Steering spindle & joint type		Forging with pad for mounting brake cyl. spherical joints		
Wheel Spindle	Diameter	Inner bearing	1.2493-1.2498	
		Outer bearing	0.7493-0.7498	
	Thread size	3/4-20 NEF-3 (modified)		
	Bearing type	Taper roller		

(a) "SS" Coupe & Pickup 16.5:1 on center to 14.3:1

(b) Hydraulic dampner used on relay rod with manual steering equipped vehicles.

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●)

### Body Type And/Or Engine Displacement

Coupes & Sedans	Station Wagons & Pickups
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### Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Rear suspension geometry	
Special provisions for car jacking	Position jack in bumper slots in lower face of front and rear bumpers	
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features	Air booster shock absorbers standard on rear of Sedan Pickup	

### 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.)	11.0x4.05; 128.96x.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; 0.8125

### Suspension — Rear

Type and description		Linked Salisbury axle fixed by control arms	
Drive and torque taken through		Control arms	
Travel	Full Jounce	3.80	3.00
	Full Rebound	4.87	5.10
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel alloy	
	Size (length x width, coil design height & I.D., bar length & dia.)	10.00x5.50; 110.8x0.548 (a)	
	Spring rate (lb. per in.)	115 (a)	
	Rate at wheel (lb. per in.)	112.3 (a)	
	Mounting insulation type	Natural rubber	
If leaf	No. of leaves	--	
	Shackle (comp. or tens.)	--	
Stabilizer	Type (link, linkless, frameless)	None	
	Material & bar diameter	--	
Track bar type		None	

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

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) 1/74

### Body Type

4-Door Sedan	2-Door Coupes 1AC37 & 1AE37	Station Wagon	Pickup
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### Frame

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

All welded perimeter type with front crossmember, rear suspension crossmember, and rear crossmember

### Body — Miscellaneous Information

Drs. hinged (front, rr.)	Front doors	Front			
	Rear doors	Front	--	Front	--
Type of finish (lacquer, enamel, other)		Acrylic Lacquer			
Hood counterbalanced (yes: no)		Yes			
Hood release control (internal, external)		Internal			
Vehicle indent No. location		Top left of instrument panel pad			
Engine No. location		6 Cyl.- On crankcase on RH side of engine, rear of distributor V8-on top front of RH bank of cylinder and case			
Theft protection - type		Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition			
Vent window control method (crank, friction pivot)	Front	None			
	Rear	None			
Seat cushion type	Front	Formed wire and foam pad			
	Rear	Formed wire and foam pad			
	3rd seat	Formed wire and foam pad			
Seat back type	Front	Formed wire and foam pad			
	Rear	Formed wire and foam pad			
	3rd seat	Formed wire and foam pad			
Windshield glass type (i.e., single curved - laminated plate)		Curved-Laminated plate			
Side glass type (i.e., curved - tempered plate)		Curved-Tempered plate			
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Tempered plate Curved		Flat	
● Windshield glass exposed surface area	1332.6	1276.6	1332.6	1276.6	
● Side glass exposed surface area	2127.9	1836.0	1518.6	3174.3	1252.0
● Backlight glass exposed surface area	1262.9	1307.2	926.1	573.2	
● Total glass exposed surface area	4723.4	4419.8	4102.4	3101.0	3101.8

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) 1/74

Body Type			
4-Door Sedans	Coupes	Station Wagons	Sedan Pick-up

### Convenience Equipment

Power windows	Side windows	Optional all except 1AC29, 35, 37, 80
	Vent windows	NA
	Backlight or tailgate	NA
Power seats (specify type as well as availability)		6-Way power bench seat, optional all models except 1AC29, 35, 37, 1AC/AD80
Reclining front seat back (R-L or both)		NA
Radios (specify type as well as availability)		Optional-AM, AM/FM, AM/FM Stereo Radio (a), AM Radio W/Stereo Tape (a), AM/FM Stereo Radio W/Stereo Tape System (a)
Rear seat speaker		Optional (a)
Power antenna		NA
Clock		Optional
Air conditioner (specify type and availability)		Optional - 4-Season (V8 Models only)
Speed warning device		NA
Speed control device		NA
Ignition lock lamp		NA
Dome lamp		Standard
Glove compartment lamp		Standard all models except 1AC00 optional
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 (a)
Power door lock sys.		Optional
Swivel bucket seats		Optional all models except model 29; 1AE37 Standard
Windshield Antenna		Available with factory installed radio Also with tinted windshield glass

### Lamp Height And Spacing\*

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	28.33	28.42	28.89	28.88
		Lowest	--	--	--	--
	Tail (H126)	Highest	24.80	24.67	18.94	16.40
		Lowest	--	--	--	--
Sidemarker	Front	23.71	23.79	24.32	24.28	
	Rear	20.37	20.26	20.18	19.49	
Distance from C.G. of car to center of bulb	Headlamp	Inside	--	--	--	--
		Outside**	28.50	28.50	28.50	28.50
	Tail	Inside	21.17	21.17	21.17	24.50
		Outside	28.12	28.12	28.12	31.20
	Directional	Front	28.50	28.50	28.50	28.60
		Rear	28.12	28.12	28.12	31.20

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

\*\*If single headlamps are used enter here

(a) Not available with El Camino.



# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

### Optional Equipment Weights

Equipment Differential Weights	WEIGHT (Pounds)			Remarks
	Front	Rear	Total	
Air Conditioning	+ 88	+ 4	+ 92	
Power Steering	+ 27	+ 1	+ 28	Std on 1AE37
Power Brakes	+ 10	+ 1	+ 11	Std on Station Wagons
Electric Door Locks	+ 4	+ 3	+ 7	Used with 2-Door Models
	+ 7	+ 8	+ 15	Used with 4-Door Models
Bucket-Seat-Swivel	+ 5	+ 6	+ 11	Std on 1AE37
Station Wagon-3rd seat	- 5	+ 37	+ 32	and equipment
Power Windows	+ 9	+ 11	+ 20	All except El Camino
	+ 6	+ 3	+ 9	El Camino
Power Seat 6-way bench	+ 13	+ 11	+ 24	
Front & Rear floor mats	+ 5	+ 4	+ 9	All except El Camino
Front Floor Mat	+ 4	+ 2	+ 6	El Camino
Electric Sun Roof	+ 18	+ 28	+ 46	Model 37 only
Vinyl Roof Cover	+ 3	+ 5	+ 8	All except Station Wagons
Rear Window Air Defl.	- 1	+ 7	+ 6	Station Wagons
Turbine I wheels, 14 x 7 (urethane styled stl wheels)	+ 8	+ 12	+ 20	
Radio AM Push Button	+ 4	+ 2	+ 6	
Radio AM/FM Push Button	+ 6	+ 2	+ 8	
Radio AM/FM Stereo	+ 11	+ 4	+ 15	
Radio AM Push Button & Tape Stereo	+ 15	+ 5	+ 20	
Radio AM/FM Push Button & Stereo Tape	+ 16	+ 5	+ 21	
Front & Rear Bumper Guards	+ 8	+ 6	+ 14	
Roof Luggage Carrier	+ 2	+ 18	+ 20	Station Wagons
Front Compartment Console	+ 5	+ 3	+ 8	4-Speed Transmission
	+ 10	+ 5	+ 15	Turbo Hydra-matic Transmission
250 Cu. In. L6 Engine	+ 7	+ 6	+ 13	Turbo Hydra-matic Transmission
350 Cu. In. L65	+163	+ 17	+180	Turbo Hydra-matic Transmission
350 Cu. In. LM1	+167	+ 17	+184	Turbo Hydra-matic, 1AC-1AD29, 37
	+ 26	+ 8	+ 34	" " 1AC35, 1AC-1AD80, 1AE37
	+ 4	+ 0	+ 4	" " 1AD35, 1AG35
400 Cu. In. LF6	+212	+ 28	+240	" " 1AC-1AD29, 37
	+ 23	+ 17	+ 40	" " 1AE37, 1AC35, 1AD80
	+ 10	+ 1	+ 11	" " 1AD-1AG35
400 Cu. In. LT4	+227	+ 28	+255	" " 1AC-1AD29, 37
	+ 29	+ 17	+ 46	" " 1AE37, 1AC35, 1AC-1AD80
	+ 14	+ 1	+ 15	" " 1AD-1AG35
454 Cu. In. LS4	+338	+ 83	+421	" " 1AC-1AD29
	+352	+ 73	+425	" " 1AC-1AD37
	+201	+ 57	+258	" " 1AC35
	+215	+ 53	+268	" " 1AC-1AD80
	+185	+ 39	+224	" " 1AD35, 1AG35
	+259	+ 72	+331	" " 1AE37
454 Cu. In. LS4	+318	+ 61	+379	4-Speed Transmission, 1AC-1AD37
	+181	+ 46	+227	" " 1AE37
	+181	+ 41	+222	" " 1AC-1AD80

# MVMA Specifications Form

## Passenger Car

Car Line CHEVELLE  
 Model Year 1974 Issued 9-73 Revised (●) \_\_\_\_\_

Body Type

### Vehicle Fiducial Marks

Fiducial Mark  
Number \*

Define Coordinate Location

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

Fiducial  
Mark  
Number

Coordinate Location of  
Fiducial Mark

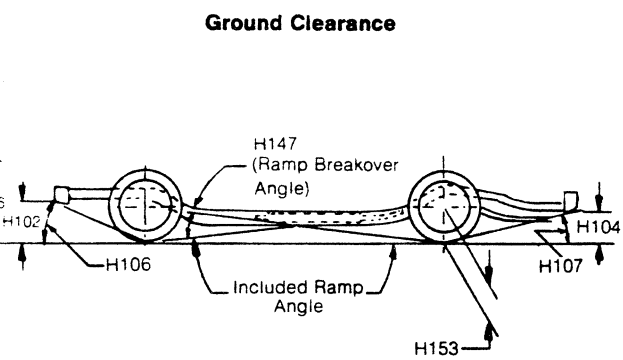
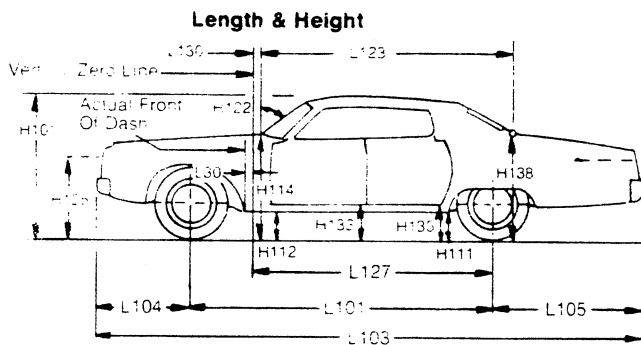
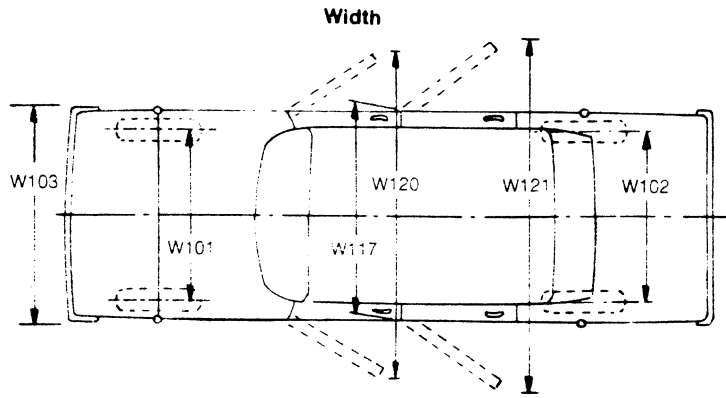
Fiducial Mark  
to Ground  
at Design

Front	X	Y	Z		
	22.70	28.48	4.83	Coupes	10.50
		28.48	4.83	Sedans	10.51
	22.72	28.50	4.83	Station Wagons	11.46
		28.50	4.83	El Camino	11.17
Rear	X	Y	Z		
	12.70	130.54	9.50	Coupes	14.60
		134.54	9.50	Sedans	14.74
	18.50	146.00	12.30	Station Wagons	19.03
		142.00	11.77	El Camino	17.81

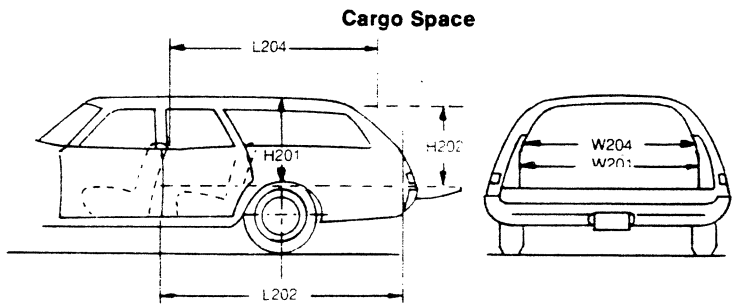
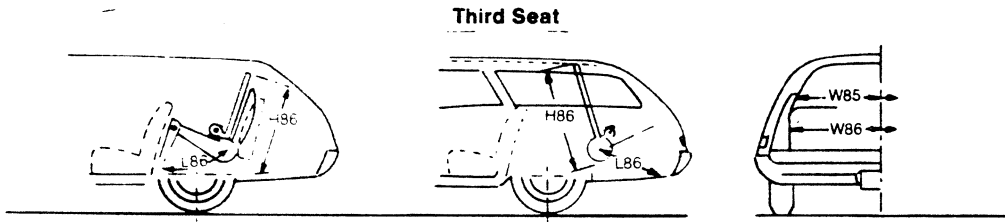
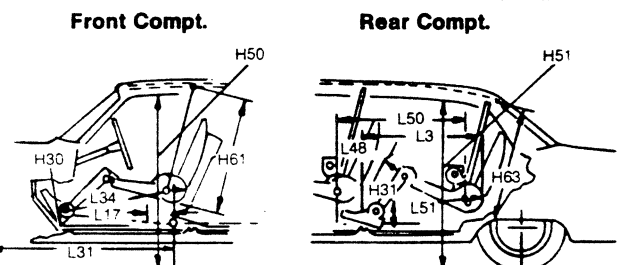
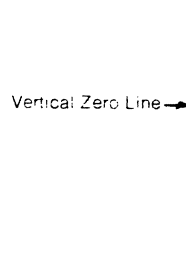
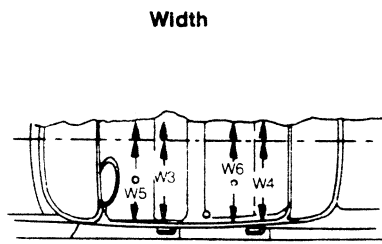
\* Reference — SAE Recommended Practice, J182

# 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

#### Dimension Definitions

#### Width Dimensions

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

#### Length Dimensions

- L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (—) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG — FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG — REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

#### Height Dimensions

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

- H112 ROCKER PANEL TO GROUND — FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED — FRONT is the same point on the door as H132 dimension, with door closed.
- H111 ROCKER PANEL TO GROUND — REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED — REAR is measured in same manner as H133.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H125 HEADLAMP CENTERLINE TO GROUND is measured vertically to the center of the upper lamp.
- H126 TAILLAMP CENTERLINE is measured vertically from ground to the centerline of the upper bulb.

#### Ground Clearance Dimensions

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

# MVMA Specifications Form

## Passenger Car

### Interior Car And Body Dimensions — Key Sheet

#### Dimension Definitions

#### Front Compartment Dimensions

- L31 H POINT TO VERTICAL ZERO LINE — FRONT. Is a horizontal dimension.
- H61 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- 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 wheelhousings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.
- V2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201  
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# MVMA Specifications Form Passenger Car

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