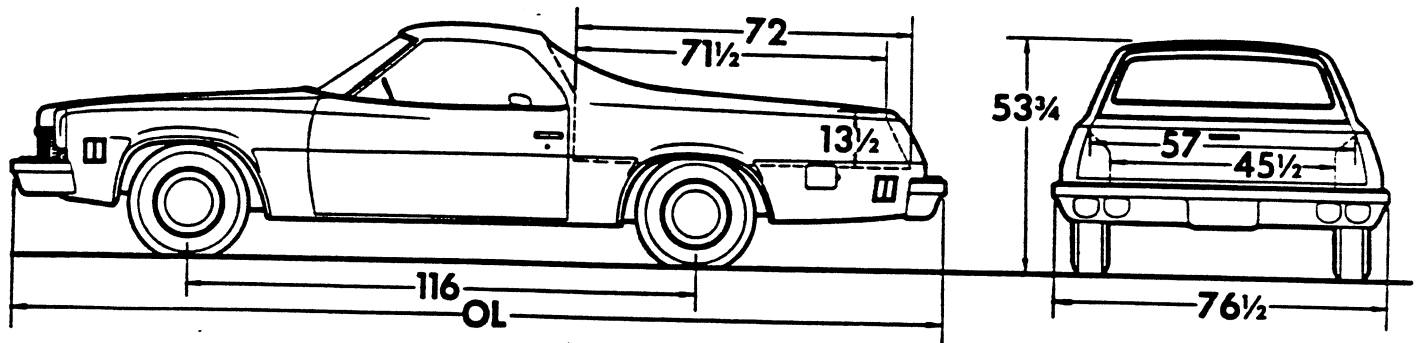


# EL CAMINO

## EL CAMINO MODEL SELECTOR

MODEL NUMBER	
STANDARD	CUSTOM
1AC80	1AD80

# 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	2070	1655	3725	2295	1880	4325	5 3/4	7
1AD80	8	2072	1663	3735	2297	1888	4335		

★ 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

†Maximum Ratings		Minimum Equipment Required for GVW Range			
GVW Rating (lb)	△GAWR(lb)		Tires, Front	Tires, Rear	Chassis Equipment
	Front	Rear			
5100 to 5700	2325 to 2750	2800 to 2925	G78-14B(4PR)	G78-14B(4PR)	Standard

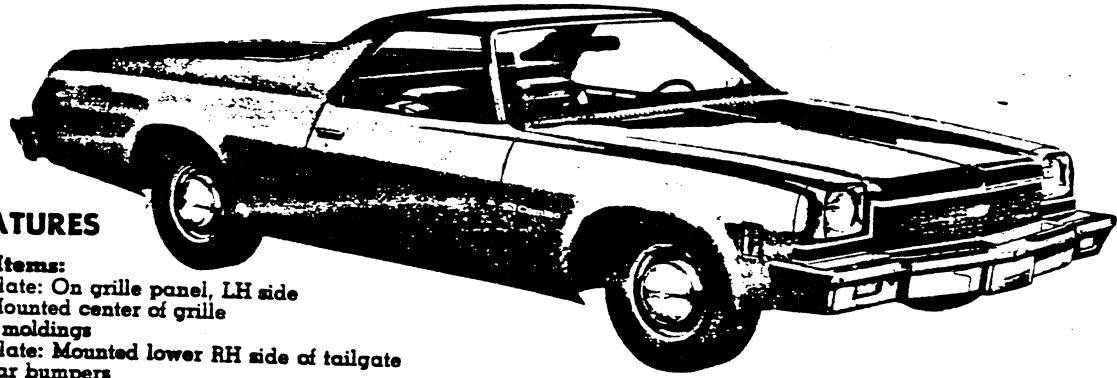
† GAWR's shown are the maximum for each axle. When ordering a truck, the total of the actual weight on both front and rear axles cannot exceed the total GVW rating.

△ GAWR—Gross Axle Weight Rating

# EL CAMINO

## STANDARD EL CAMINO MODEL

The Standard model includes the following items as standard equipment.

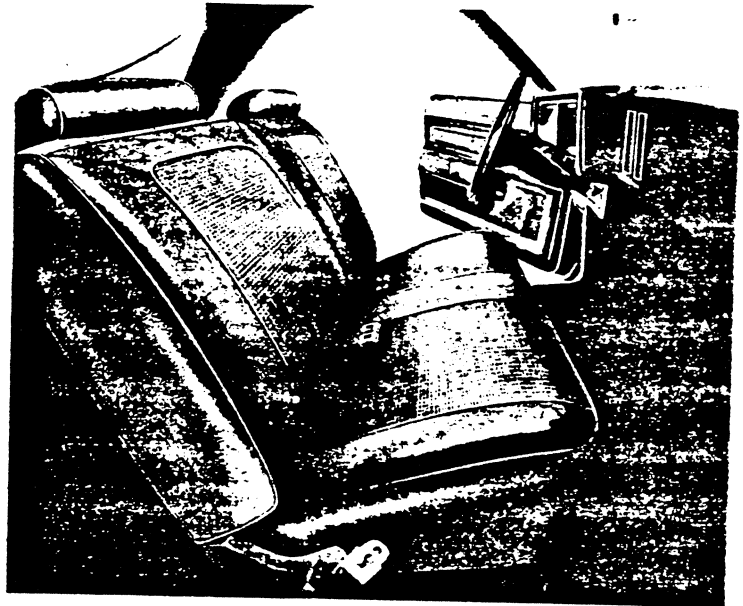


### EXTERIOR FEATURES

- **Bright Appearance Items:**
  - "El Camino" Nameplate: On grille panel, LH side
  - Chevrolet Emblem: Mounted center of grille
  - 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
- **Instrument Panel Knobs:** Marked with function symbols
- **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
- **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
- **Floor Mat:** Color keyed, vinyl covered 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
- **Heater and Defroster:** Deluxe-air
- **Interior Lights:** Instrument and dome operated by main light switch
- **Insulation and Sound Dendening:** Dash (firewall), under floor mat and other strategic points
- **Mirror, Rearview:** Inside 12" wide
- **Seat:** Full width, 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 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	SOLID EXTERIOR COLOR AVAILABILITY	
Black	BB	All Exterior Colors.
Blue (Medium)	DD	Midnight Blue or White Exterior Colors only.
Chamois	FF	Beige, Black, Chamois, Taupe or White Exterior Colors only.
Green (Medium)	GG	Light Green, Midnight Green or White Exterior Colors only.
Neutral (Light)	TT	Black, Brown, Copper, Green-Gold, Midnight Green, Red or Taupe Exterior Colors only.
Red (Dark)	HH	Red, Silver or White Exterior Colors only.
White	AA	All Exterior Colors.

MODEL	Seat Type		Black	Blue (Medium)	Green (Dark)	Neutral (Light)	Saddle (Dark)
			Vinyl	Vinyl	Vinyl	Vinyl	Vinyl
EL CAMINO	Bench		701*			733	
CUSTOM EL CAMINO	Bench		704	705	713	732	720
	Bucket		704			732	720
EXTERIOR COLORS	Color Code						
	Lower	Upper					
Beige	81	81	X		X	X	X
Black, Tuxedo	19	19	X	X	X	X	X
Blue, Light (Metallic)	24	24	X	X		X	
Blue, Dark (Metallic)	26	26	X	X		X	
Blue, Midnight (Metallic)	29	29	X	X		X	
Brown, Dark (Metallic)	68	68	X			X	X
Chamois	56	56	X		X	X	X
Copper, Light (Metallic)	60	60	X			X	X
Green-Gold (Metallic)	46	46	X		X	X	
Green, Light (Metallic)	44	44	X		X	X	
Green, Dark (Metallic)	42	42	X		X	X	
Green, Midnight	48	48	X		X	X	X
Red, Dark (Metallic)	74	74	X			X	
Silver (Metallic)	64	64	X	X	X	X	X
Taupe (Metallic)	66	66	X			X	X
White, Antique	11	11	X	X	X	X	X
<b>TWO-TONE</b> (With Antique White Upper only)							
Blue, Light (Metallic)	24	11	X	X		X	
Blue, Midnight (Metallic)	29	11	X	X		X	
Chamois	56	11	X		X	X	X
Green-Gold (Metallic)	46	11	X		X	X	
Green, Light (Metallic)	44	11	X		X	X	
Green, Midnight	48	11	X		X	X	X

\*Mixed Tone Seats.

√ Indicates Change

# GENERAL

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# MODEL IDENTIFICATION

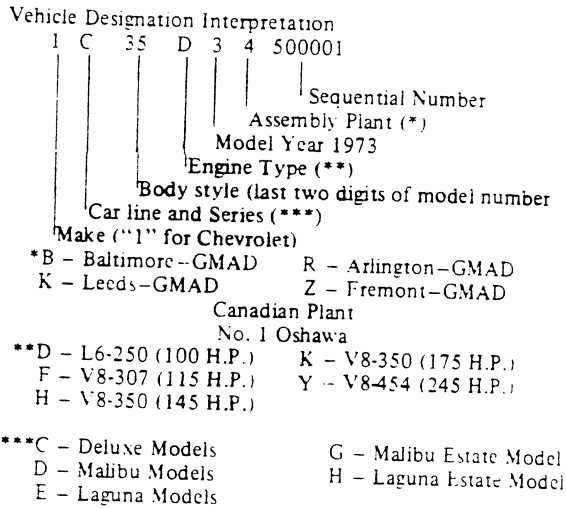
BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
A-CAR	DELUXE	4-Dr. Colonnade Hardtop Sedan	1AC29	6
		2-Dr. Colonnade Hardtop Coupe	1AC37	6
		4-Dr. Station Wagon	1AC35	2-Seat *
	MALIBU	4-Dr. Colonnade Hardtop Sedan	1AD29	6
		2-Dr. Colonnade Hardtop Coupe	1AD37	6
		4-Dr. Station Wagon	1AD35	2-Seat *
	MALIBU ESTATE	4-Dr. Station Wagon	1AG35	2-Seat *
	LAGUNA	4-Dr. Colonnade Hardtop Sedan	1AE29	6
		2-Dr. Colonnade Hardtop Coupe	1AE37	6
		4-Dr. Station Wagon	1AE35	2-Seat *
	LAGUNA ESTATE	4-Dr. Station Wagon	1AH35	2-Seat *
	EL CAMINO	2-Dr. Pickup Delivery	1AC80	3
EL CAMINO CUSTOM	2-Dr. Pickup Delivery	1AD80	3	

\* Third seat available as RPO AQ4 on V-8 equipped Station Wagons.

# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE IDENTIFICATION NUMBER



EXAMPLE: The twenty-fifth Chevelle vehicle built at GMAD Baltimore if it were a 1AC35 model (Deluxe Station Wagon) with a L6-250 (100 H.P.) engine would bear VIN Number 1C35D3B400025.

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

## TRANSMISSION IDENTIFICATION

Example: S2E01

Type	Source	Model Year	Production <sup>o</sup>
Designation	Designation	1973	Month & Date
TM	S (Muncie)	3	E01D*
TM	3-Speed	L-6 engine	S - Muncie
TM	3-Speed	V-8 engines	S - Muncie
WC	4-Speed	V-8 engine	P - Muncie
TZ	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 right 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: F1210CCC

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

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

CCC - Regular engine, 3-speed  
CCA - Regular engine, Turbo Hydra-matic (Chevrolet)

Turbo-Fire 307, 307 Cubic Inch V-8, Base Engine

CHB - Regular engine, 3-speed  
CHA - Regular engine, Turbo Hydra-matic (Chevrolet)

Turbo-Fire 350, 350 Cubic Inch V-8 (RPO-L48)

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

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

CKB - Optional engine, 3-speed, 2-bbl. carb.  
CKL - Optional engine, Turbo Hydra-matic (Chevrolet)

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

CWC - 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

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

	DELUXE	MALIBU	LAGUNA
<b>FRONT</b>			
Radiator Grille - Black Plastic with Argent Leading Edges . . . . .	X	X	
Radiator Grille - Die Cast Argent Color . . . . .			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" . . . . .	X	X	
Radiator Grille Emblem - "Bow Tie" . . . . .	X	X	X
Bumper Impact Strip . . . . .			X
Urethane Front End Body Color . . . . .			X
<b>SIDE</b>			
Rocker Panel Black Paint Stripe . . . . .	X	X	X
Lower Body Side Molding . . . . .		X	X
Front Fender Nameplate . . . . .	"Deluxe"	"Malibu"	"Laguna by Chevrolet"
Bright Bead Belt Molding . . . . .	X	X	X
Bright Rear View Mirror - LH (Rectangular) . . . . .	X	X	X
Bright Door Corner Molding . . . . .	X	X	X
Lift Bar Door Handles . . . . .	X	X	X
Bright Hub Caps . . . . .	X	X	
Wheel Covers . . . . .			X
Body Color Wheels . . . . .	X	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
<b>REAR</b>			
Deck Lid Nameplate - Bright Script and Bow Tie "Chevelle by Chevrolet" . . . . .	X	X	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
Twin Quarter Panel Mounted Tail Lamps (Outboard Tail, Stop and Turn, Inboard Turn and Backup) . . . . .	X	X	X



# EXTERIOR EQUIPMENT

## STANDARD EXTERIOR EQUIPMENT STATION WAGONS

	DELUXE	MALIBU	MALIBU ESTATE	LAGUNA	LAGUNA ESTATE
<b>FRONT</b>					
Radiator Grille - Black Plastic with Argent Leading Edges	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	X	X
Bright Windshield Reveal Molding	X	X	X	X	X
Radiator Grille Nameplate - "Chevelle"	X	X	X	X	X
Radiator Grille Emblem - "Bow Tie"	X	X	X		
Depressed Park Windshield Wipers with Articulated Left Blade	X	X	X	X	X
Parking Lamps in Bumpers - Amber Lens, White Bulb	X	X	X	X	
Body Color Urethane Front End	X	X	X		
Radiator Grille - Argent				X	X
Bumper Impact Strip				X	X
Parking Lamps in Grille - White Lens, Amber Bulb				X	X
<b>SIDE</b>					
Rocker Panel Black Paint Stripe	X	X		X	X
Bright Belt Bead Molding	X	X		X	X
Bright Rear View Mirror - LH	X	X	X	X	X
Bright Hub Caps	X	X	X	X	X
Bright Lift Bar Door Handles	X	X	X		
Bright Door Corner Molding	X	X	X	X	X
Body Color Wheels	X	X		X	X
Bright Quarter Reveal Moldings	X	X		X	
Fender Nameplate - Bright	"Deluxe"	"Malibu"	X "Malibu Estate"	X "Laguna by Chevrolet"	X "Laguna Estate"
Front Marker Lamp, Amber Lens w/ Clear Bulb and Body-Color Bezels	X	X			
Rear Marker Lamp, Red Lens and Body- Color Bezel	X	X			
Rocker Panel Lower Body Side Molding		X		X	
Body Side Wood-Grain Surface		X			
Wheel Opening Moldings			X		X
Bright Body Side Molding Surrounding Wood-Grain			X		X
Bright Wheel Covers			X		X

# EXTERIOR EQUIPMENT

## STANDARD EXTERIOR EQUIPMENT STATION WAGONS

REAR	DELUXE	MALIBU	MALIBU ESTATE	LAGUNA	LAGUNA ESTATE
Liftgate Nameplate - "Chevelle" with Chevrolet "Bow Tie" . . . . .	X	X	X	X	X
Liftgate Window Reveal Molding . . . . .	X	X	X	X	X
Bright Liftgate Handle . . . . .	X	X	X	X	X
Tail Lamps Mounted in Bumper . . . . .	X	X	X	X	X
Backup Lamps Mounted in Bumper - Inboard of Tail Lamps . . . . .	X	X	X	X	X
Bright Liftgate Molding . . . . .			X		X
Wood-Grain Surface . . . . .			X		X

## STANDARD EXTERIOR EQUIPMENT EL CAMINO

	STANDARD	CUSTOM
<b>FRONT</b>		
Radiator Grille - Black Plastic with Argent Leading Edges . . . . .	X	X
Bright Radiator Grille Outline Moldings . . . . .	X	X
Bright Headlamp Bezels . . . . .	X	X
Parking Lamps in Bumper . . . . .	X	X
Radiator Grille "Bow Tie" Emblem . . . . .	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
<b>SIDE</b>		
Front Fender Nameplate - "El Camino" . . . . .	X	X
Black Paint on Lower Body Rocker Panel . . . . .	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
<b>REAR</b>		
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

ROOF AND PILLARS	DELUXE	MALIBU	LAGUNA
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 Gray Padded Edge.			
Dull Chrome 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
Bright Shoulder Belt Clip Retainers . . . . .	X	X	X
Coat Hooks - Vinyl . . . . .	X	X	X
Package Shelf - Embossed Board . . . . .	X	X	X
Center Pillar Cover - Plastic . . . . .	X	X	X
Door Opening Windlace - Vinyl . . . . .	X	X	X
Front Door Jamb Switches . . . . .	X	X	X

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

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

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

SEATS AND FLOOR COVERING	DELUXE	MALIBU	MALIBU ESTATE	LAGUNA	LAGUNA ESTATE
Front Bench Seat with 2-Inch Foam Padded Cushion . . . . .	X	X	X	X	X
Black Seat Adjuster Handle . . . . .					
Vinyl Trimmed Head Restraints – Adjustable . . . . .	X	X	X	X	X
Second Seat Cushion – 1-Inch Foam Pad . . . . .	X	X	X	X	X
Two Black Front Seat Shoulder Belts . . . . .	X	X	X	X	X
Bright Folding Seat Backrest Latches . . . . .	X	X	X	X	X
Three Black Front Seat Belts . . . . .	X	X	X	X	X
Three Black Second Seat Belts . . . . .	X	X	X	X	X
Front Seat Outboard Belt Retractor Covers . . . . .	X	X	X	X	X
Color Keyed Deep Twist Floor Carpet . . . . .		X	X	X	X
Color Keyed Vinyl Coated Rubber Floor Mat . . . . .	X				
Color Keyed Vinyl Painted Textured Metal Load Floor . . . . .	X	X	X	X	X
Black Rubber Mat in Floor Well . . . . .	X	X	X	X	X
Additional Insulation Under Load Floor and In Stowage Well . . . . .	X	X	X	X	X
Front Seat Back Ash Tray . . . . .	X	X	X	X	X
<b>DOORS, QUARTER PANEL AND TAILGATE</b>					
Rear Quarter Finish Panel – Plastic . . . . .	X	X	X	X	X
Quarter Panel and Wheelhouse – Vinyl Painted Textured Metal . . . . .	X	X	X	X	X
Quarter Panel and Wheelhouse – Plastic . . . . .	X	X	X	X	X
Quarter Window Lower Reveal Molding and Escutcheon – Painted Metal . . . . .	X	X	X	X	X
All Vinyl Door and Quarter Trim Panels . . . . .	X	X	X	X	X
Front Door Padded Armrest . . . . .	X	X	X	X	X
Rear Door Padded Armrest . . . . .	X	X	X	X	X
Bright Door Lock Buttons – Plastic . . . . .	X	X	X	X	X
Clear Vinyl Window Control Handle Knobs . . . . .	X	X	X	X	X
Bright Cowl Ventilation Control Knobs . . . . .	X	X	X	X	X
Cowl Kick Pads – Plastic . . . . .	X	X	X	X	X
Tailgate Panel – Vinyl Painted Textured Metal . . . . .	X	X	X	X	X
Formed Map Pocket in Front Doors . . . . .				X	X
Door Sidewall Series Nameplate . . . . .		X	X	X	X

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT

SEATS AND FLOOR COVERING	DELUXE	MALIBU	LAGUNA
Front Bench Seat with 2-inch Foam Pad Cushion	X	X	X
Seat Adjuster Handle - Black	X	X	X
Bright Folding Seat Backrest Latch and Bezel	37	37	37
Vinyl Trunmed Head Restraints - Adjustable	X	X	X
Rear Seat Cushion - 1-inch 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	X	X	X
Three Black Rear Seat Lap Belts	X	X	X
Front Seat Outboard Lap Belt Retractor Covers	X	X	X
Color-Keyed Deep Twist Carpet in Passenger Compartment		X	X
Color-Keyed Vinyl-Coated Rubber Mat in Passenger Compartment	X		
Luggage Compartment Spatter Paint	X	X	X
Luggage Compartment - Foam Backed Vinyl		X	X
<b>DOOR AND QUARTER PANEL</b>			
Rear Quarter Finish Panel - Plastic	29	29	29
All-Vinyl Door and Quarter Trim Panels	37	37	37
Front Door Padded Armrest	X	X	X
Rear Door Padded Armrest	29	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
Bright Cowl Ventilation Control Knobs	X	X	X
Bright "Astro-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	X
Formed Map Pocket in Doors			X
Ash Tray in Rear Part of Door Arm Rest	37	37	37

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT

INSTRUMENT PANEL AND STEERING COLUMN	DELUXE	MALIBU	LAGUNA
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 Soft Symbol 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 and Column	X	X	
Color Keyed Steering Wheel and Column			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
<b>GLASS</b>			
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

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

INSTRUMENT PANEL AND STEERING COLUMN	DELUXE	MALIBU	MALIBU ESTATE	LAGUNA	LAGUNA ESTATE
General Cluster Lighting - Blue Tint	X	X	X	X	X
Glove Compartment Light	X	X	X	X	X
Heater Control Light	X	X	X	X	X
Warning Lights - Temperature, Generator, Oil Pressure, Brakes, Seat Belts	X	X	X	X	X
Indicators - Hi-Beam, Turn Signals and Hazard Flashers	X	X	X	X	X
Two Speed W/S Wiper and Washer - Slide Type, Depress to Wash - Bright Knob, illuminated Switch	X	X	X	X	X
Ash Tray	X	X	X	X	X
Heater - Slide Type Controls, Bright Knobs, Illuminated	X	X	X	X	X
Light Switch - Black Soft Symbol Knob	X	X	X	X	X
Cigarette Lighter - Soft Black Symbol Knob	X	X	X	X	X
120 MPH Speedometer - Odometer	X	X	X	X	X
Fuel Gauge	X	X	X	X	X
Glove Compartment Door Lock	X	X	X	X	X
Black Parking Brake Release "T" Handle - White "Parking Brake"	X	X	X	X	X
Trim Color Instrument Panel Pad - Madrid Surface	X	X	X	X	X
Clock Hole Cover Plate	X	X	X	X	X
A/C Center Outlet Cover Plate with Bright Border and "Chevrolet"	X	X	X	X	X
Trim Color Steering Wheel (Plastic) Column	X	X	X	X	X
Black Steering Wheel and Column	X	X	X	X	X
Soft Vinyl Steering Wheel Shroud with Black Insert Having - "Chevrolet" Nameplate	X	X	X	X	X
"Laguna" Nameplate	X	X	X	X	X
Black Hazard Flasher Knob	X	X	X	X	X
Trim Color Soft Turn Signal and Shift Lever Knobs	X	X	X	X	X
Steering Column Ignition Switch with Integral Steering and Transmission Lock	X	X	X	X	X
Black Hood Release - White "Hood"	X	X	X	X	X
<b>GLASS</b>					
Laminate Safety Plate Glass Windshield (Thin Design)	X	X	X	X	X
Safety Solid Tempered Plate Side Glass	X	X	X	X	X
Safety Solid Tempered Plate Rear Window	X	X	X	X	X

# INTERIOR EQUIPMENT

## EL CAMINO INTERIOR EQUIPMENT

	STANDARD	CUSTOM
<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 Gray Padded Edge	X	X
Silver Painted Rear View Mirror Support	X	X
Trim Color Plastic Rear View Mirror Support Cover	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 - Plastic Cover	X	X
Plastic Window Control Handle Knobs	X	X
Bright Door Lock Buttons	X	X
All-Vinyl Door and Quarter Panel Trim	X	X
Simulated Wood Grain Insert on Door Panel	X	X
Series Nameplate on Door Trim Panel		X
Trim Color Shoulder Belt Buckle Retainers	X	X
Bright Shoulder Belt Retaining Clip	X	X
Shoulder Belt Anchor Cover (Belt Color)	X	X
<b>SEATS AND FLOOR COVERING</b>		
Front Seat Cushion with Foam Pad	X	X
Bright Folding Seat Back Latches	X	X
Black Seat Adjuster Handle	X	X
All-Vinyl Seat Cushion and Seat Back	X	X
Vinyl Coated Rubber Passenger Compartment Floor Covering	X	
Carpet Passenger Compartment Floor Covering		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
Bright Cowl Ventilation and Astro Ventilation Control Knobs	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	X	X
"T" Handle Parking Brake Release	X	X
Ash Tray	X	X
Cigarette Lighter - Soft Black Symbol 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
<b>GLASS</b>		
Laminated Safety Plate Glass Windshield	X	X
Solid Safety Plate Glass Blacklight	X	X
Solid Safety Plate Glass Door Windows	X	X

# EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
<b>FEATURE GROUPS</b>		
(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 Estate or Laguna Estate) . . . . .	B93	X
Color-Keyed Floor Mats - (2 Front, 2 Rear) . . . . .	B37	X
Visor Vanity Mirror . . . . .	D34	X
Electric Clock . . . . .	U35	X
Rear Window Defroster (Forced Air) . . . . .	C50	X
L.H. Outside Remote-Control Rearview Mirror . . . . .	D33	X
<b>MODEL OPTIONS</b>		
'Estate' (El Camino) . . . . .	YA2	
● 'SS' Option (Chevelle, El Camino) (See page 20 for content) . . . . .	Z15	
Station Wagon, 3rd Seat . . . . .	AQ4	
<b>POWER TEAMS</b>		
Turbo-Fire 350 V-8 . . . . .	L48	
Turbo-Fire 350 V-8 . . . . .	L65	
Turbo-Jet 454 V-8 . . . . .	LS4	
4-Speed Manual Transmission . . . . .	M20	
H.D. 4-Speed Manual Transmission . . . . .	M21	
Turbo Hydra-matic . . . . .	M40	
Axle, Positraction . . . . .	G80	
Axle, Trailering Ratio . . . . .	YD1	
Axle, Performance Ratio . . . . .	ZQ9	

# EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
<b>POWER ASSISTS</b>		
Brakes, Power . . . . .	J50	
Liftgate Lock Release, Electric . . . . .	AU6	
Lock, Electric Door . . . . .	AU3	
Steering, Hydraulic . . . . .	N40	
Window Control, Electric . . . . .	A31	
Front Seat, Electric Control (exc. AN7) . . . . .	A42	
Sun Roof, Electric . . . . .	CA1	
<b>OTHER OPTIONS</b>		
● Air Conditioning, Four-Season (See page 19 for content) . . . . .	C60	
Alarm, Theft . . . . .		X
Battery Blanket . . . . .		X
Battery, Heavy Duty . . . . .	T60	
Bumper Guards, High Rise . . . . .		X
Belts, Deluxe Seat & Shoulder Harness (Color Keyed to Interior) . . . . .	AK1	
Bumper Impact Strip & Bumper Guards . . . . .	VE5	
Console, Front Compartment Floor . . . . .	D55	
Contour Bucket Seat, Special - 90° Swivel . . . . .	AN7	
Cap, Locking Gas Filler . . . . .		X
Carrier, Roof Luggage - Wagon . . . . .	V55	X
Carpet, Accent - Red . . . . .	75F	
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.
OTHER OPTIONS		
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
Lighting, Auxiliary	Z19	
Courtesy Lights		
Glove Compartment Light (Std. all exc. Deluxe)		X
Luggage Compt. Light (Except Wagon and Pickup)		X
Ash Tray Light		X
Underhood Light		X
Light, Rear Door Jamb Switch - 4-Door Sedan		X
Mirror, RH		X
Mirror Sport Outside, Body Color, LH Remote Control & RH Manual Control	D35	
Mirror, Trailering - Fender Clamp		X
Molding, Body Side (Except 1AG/AH35)	B84	
Molding, Protective Body Side (5 Colors) Vinyl Insert		X
Radiator, Heavy Duty	V01	
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, Child Safety		X
Seat, Infant Safety		X
Ski Rack, Roof Top		X
Spotlight, Hand		X

# EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
OTHER OPTIONS		
Speed Control, Cruise . . . . .		X
Steering Wheel, Comfortilt . . . . .	N33	
Suspension, H.D. Front and Rear . . . . .	F40	
Two-Tone Finish . . . . .	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 . . . . .	A20	
FACTORY INSTALLED REGULAR PRODUCTION TIRES		
E78 x 14 Bias Belted Ply Blackwall (Chevelle) . . . . .	QEG	
E78 x 14 Bias Belted Ply Whitewall (Chevelle) . . . . .	QEH	
G78 x 14 Bias Belted Ply Blackwall (Chevelle) . . . . .	QGK	
G78 x 14 Bias Belted Ply Whitewall (Chevelle) . . . . .	QGL	
G70 x 14 Bias Belted Ply White Lettered (Chevelle) . . . . .	QGF	
H78 x 14 Bias Belted Ply Blackwall (Wagon) . . . . .	QHE	
H78 x 14 Bias Belted Ply Whitewall (Wagon) . . . . .	QHF	

**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

## MODEL AVAILABILITY

- Malibu 2-Door Coupe (1AD37)
- El Camino Pickup (1AD80)
- Malibu 4-Door Station Wagon (1AD35)

## POWER TRAIN AVAILABILITY

Available with all V-8 engine/transmission/axle combinations except V-8 307 (See Power Train Section for applications)

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

### BODY - Exterior

	1AD37	1AD80	1AD35
Black painted grille . . . . .	X	X	X
'SS' Grille emblem . . . . .	X	X	X
Upper body side and tailgate striping . . . . . (two colors - black and white, keyed to body color)	-	X	-
Lower body side and wheel opening striping . . . . . (two colors - light or dark grey, keyed to body color)	X	-	X
'SS' Fender emblem . . . . .	X	X	X
'SS' Tailgate emblem . . . . .	-	X	-
'SS' End panel emblem . . . . .	X	-	-
'SS' Liftgate emblem . . . . .	-	-	X
Wheel opening moldings . . . . .	-	X	-
Body color racing mirrors - LH remote, RH manual . . . . .	X	X	X
Bright drip moldings . . . . .	X	X	X
Black painted tail lamp with bright trim ring . . . . .	X	-	-
Delete - Lower body side moldings . . . . .	X	X	X
Delete - Fender 'Malibu' nameplate . . . . .	X	-	X
Delete - Deck lid nameplate . . . . .	X	-	-
Delete - Fender 'El Camino' nameplate . . . . .	-	X	-
Delete - Liftgate nameplate . . . . .	-	-	X

### BODY - Interior

Monte Carlo instrument cluster with black bezel . . . . .	X	X	X
Door trim 'SS' emblem . . . . .	X	X	X
'SS' Horn shroud insert . . . . .	X	X	X

### CHASSIS

Rally wheels, 14 x 7 with center cap . . . . . (color keyed with stripe)	X	-	-
'Turbine I' wheels (Urethane styled steel wheels) - 14 x 7 with bright trim rings and hub caps . . . . .		X	X
G70 x 15 Bias belted white lettered tires . . . . .	X	X	-
Special front and rear suspension . . . . .	X	-	-
Rear suspension stabilizer bar . . . . .	-	-	X



# DIMENSIONS AND WEIGHTS

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# INTERIOR DIMENSIONS

## FRONT COMPARTMENT

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
H3	Seat cushion height	11.2	10.8	11.3	11.2
H11	Entrance height	31.0	30.2	31.4	30.2
H13	Steering wheel thigh clearance			3.4	
H30	H point to heel point			8.7	
H32	Seat cushion deflection			3.2	
H58	H point rise			0.8	
H61	Effective headroom	38.3	37.7	38.8	37.6
H70	H point to body O line			13.1	
H75	Effective headroom - 'T' point	38.5	37.8	38.7	37.8
W3	Shoulder room		59.6	59.8	59.6
W5	Hip room		56.0	55.6	56.0
L7	Steering wheel torso clearance			13.1	
L17	H point travel			5.2	
L34	Effective leg room			42.2	
H50	Upper body opening to ground	49.9	49.2	50.6	49.8

## REAR COMPARTMENT

H5	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 headroom - 'T' point	37.2	36.9	39.4	--
W4	Shoulder room	58.9	57.5	58.9	--
W6	Hip room	57.9	52.9	56.6	--
L3	Rear compartment room	27.8	25.3	25.2	--
L50	H point couple distance	34.6	31.0	33.1	--
L51	Effective leg room	38.4	33.7	36.7	--

## STATION WAGON THIRD SEAT

W85	Shoulder room			43.3	--
W86	Hip room			36.7	--
H86	Effective headroom			35.8	--
L86	Effective leg room			30.9	--
L87	Knee room			12.1	--

## LUGGAGE COMPARTMENT

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

## STATION WAGON CARGO SPACE

H201	Maximum cargo height			30.1	--
H202	Rear opening height			27.4	--
H250	Tailgate to ground height			21.5	26.2
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 volume (cu.ft.)			85.0*	38.0

\* Concealed stowage compartment (cu.ft.) 9.8 Cu. Ft. 2-Seat  
5.8 Cu. Ft. 3-Seat

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

# 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 x 14 (a)		H78 x 14	G78 x 14
L103	Overall length	206.9 (a)	202.9 (a)	213.2 (a)	
L104	Overhang - front	40.1*			
L105	Overhang - rear	50.8*		57.2*	
---	Overall length - less bumpers	204.1	200.1	210.2	
L127	Body O line to C/L of rear wheels	97.5	93.5	97.5	
L128	Hood length at centerline	58.3			

## WIDTHS

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			
W120	Overall car width, front doors open	136.8	166.4	136.8	166.4
W121	Overall car width, rear doors open	134.7	--	134.7	--

## HEIGHTS

H101	Overall height (design)	53.8	53.1	55.7	53.8
H102	Front bumper to ground	12.3	12.4	12.8	12.9
H104	Rear bumper to ground	12.1	11.9	12.7	11.6
H111	Rocker panel to ground - rear	8.2		9.4	8.7
H112	Rocker panel to ground - front	8.8		9.7	9.4
H114	Hood at rear to ground	38.8		39.7	39.4
H115	Step height - front (design)	12.7		13.7	13.3
H116	Step height - rear (design)	12.4	--	13.5	--
H125	Headlamp to ground	28.7	28.8	29.3	
H126	Tail lamp to ground	25.6	25.5	17.1	16.0
H136	Body O line to ground - front	5.9		6.6	6.5
H137	Body O line to ground - rear	5.3		6.7	6.0

## CLEARANCES

H106	Angle of approach (degrees)	17.4	17.5	18.2	18.3
H107	Angle of departure (degrees)	12.5	12.4	13.3	12.2
H147	Ramp breakover angle (degrees)	10.3	10.5	12.3	11.4
H148	Front suspension to ground	5.1		5.8	5.7
H149	Oil pan to ground	5.5	5.6	6.3	6.1
H150	Flywheel housing to ground	5.4	5.5	6.2	6.0
H151	Frame to ground	5.9		6.8	6.5
H152	Exhaust system to ground	5.1		6.2	5.5
H153	Rear axle to ground	7.0		7.3	7.1
H154	Fuel tank to ground	6.9	6.8	10.3	9.1
H155	Tire well to ground	--		8.6	--
H156	Minimum ground clearance	5.1 (H152)		- 5.8 (H148)	5.5 (H152)

\* Laguna models.

	4 Door	2 Door	Wagon	El Camino
L104	39.6			
L105	51.3	57.7		

(a) Sedans & Coupes with V8 engine G78 x 14

(a) Base models with impact strips

	4-Door	2-Door	Wagons
L103	207.9	203.9	214.3

# VEHICLE WEIGHTS

MODEL TYPE			SHIPPING WEIGHT			CURB WEIGHT		
MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	Front	Rear	Total	Front	Rear	Total
1AC37	250 Cu.In. L6	2-Door Coupe	1957	1466	3423	1936	1597	3533
1AC29	250 Cu.In. L6	4-Door Sedan	1976	1459	3435	1955	1590	3545
1AC35	250 Cu.In. L6	4-Door Station Wgn.	1785	2064	3849	1761	2195	3956
1AC80	307 Cu.In. V8	2-Door Pickup	2091	1524	3615	2070	1655	3725
1AD37	250 Cu.In. L6	2-Door Coupe	1963	1467	3430	1942	1598	3540
1AD29	250 Cu.In. L6	4-Door Sedan	1986	1491	3477	1965	1622	3587
1AD35	307 Cu.In. V8	4-Door Station Wgn.	1949	2082	4031	1925	2213	4138
1AD80	307 Cu.In. V8	2-Door Pickup	2093	1532	3625	2072	1663	3735
1AE37	350 Cu.In. V8 (L65)	2-Door Coupe	2166	1512	3678	2145	1643	3788
1AE29	350 Cu.In. V8 (L65)	4-Door Sedan	2187	1537	3720	2166	1668	3834
1AE35	350 Cu.In. V8 (L65)	4-Door Station Wgn.	2040	2070	4110	2016	2201	4217
1AG35	307 Cu.In. V8	4-Door Station Wgn.	1951	2085	4036	1927	2216	4143
1AH35	350 Cu.In. V8 (L65)	4-Door Station Wgn.	2054	2087	4141	2030	2218	4248

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.

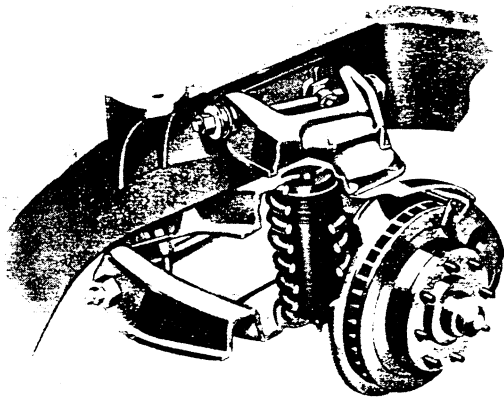
## OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
C60	Air Conditioning (V8 only)		+102
N40	Power Steering		- 25
J50	Power Brakes		- 11
A31	Power Windows	1AD29, 35, 37, 80; 1AE29, 37, 1AG & 1AH35	+ 23
A42	Power Seat 6-Way Bench	1AD29, 35, 37, 1AE29, 35, 37; 1AG & 1AH35	- 19
AN7	Bucket Seat - Swivel	1AD37, 80, 1AE37	- 17
AU3	Electric Door Locks	Used with 2-Door Models	- 8
		Used with 4-Door Models	+ 17
AQ4	Station Wagon - 3rd Seat		+ 48
B37	Front and Rear Floor Mats	1AA29, 35, 37	+ 11
B37	Front Floor Mat	1AA80	+ 7
CA1	Electric - Sun Roof	1AC37, 1AD37, 1AE37	- 35
CB1	Landau Roof Cover		- 5
CO8	Vinyl Roof Cover	All except Station Wagons	-
C51	Rear Window Air Deflector	Station Wagons	- 6
D55	Floor Console	4-Speed Transmission	- 9
		Turbo Hydra-matic Transmission	+ 17
PE1	Turbine 1 Wheels, 14 x 7 (urethane styled steel wheels)		+ 40
V55	Roof Luggage Carrier	Station Wagons	+ 16
U63	Radio AM Push Button		+ 8
U69	Radio AM/FM Push Button		+ 9
U58	Radio AM/FM Stereo		+ 18
UM1	Radio AM Push Button and Tape		+ 21
UM2	Radio AM/FM Push Button and Tape		+ 22
V30	Front and Rear Bumper Guards	All except Station Wagon and Pickup	- 5
V30	Front Bumper Guards Only	Station Wagon and Pickup	+ 3
Base	250 Cu. In. L6 Engine	Turbo Hydra-matic Transmission	+ 19
L65	350 Cu. In. V8 Engine	Turbo Hydra-matic Transmission	+206
L48	350 Cu. In. V8 Engine	4-Speed Transmission	-223
		Turbo Hydra-matic Transmission	+241
● LS4	454 Cu. In. V8 Engine	1AC-1AD37	4-Speed Transmission
		1AE37	
● LS4	454 Cu. In. V8 Engine	1AC-1AD29-37	Turbo Hydra-matic Transmission
		1AC35	
		1AC80-1AD80	
		1AD35-1AG35	
		1AE-1AH35	
		1AE29-37	

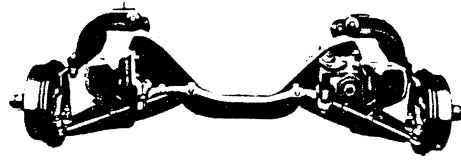


# FRONT SUSPENSIONS

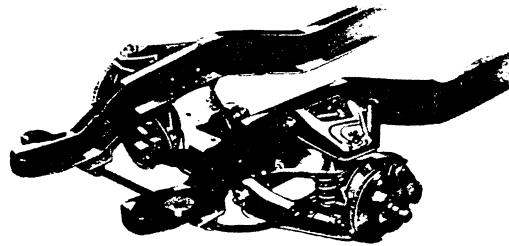
## INDEPENDENT FRONT SUSPENSION



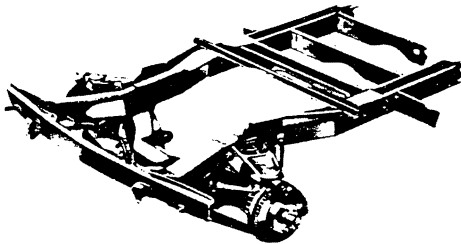
P31832



El Camino



C10-30; P10-30 Series



G10-30 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 & Pod	Standard	Optional	Deflection Rate	Wire Diameter	Outside Diameter
750	NA	Vega Panel Express	—	325	.618	NA
950	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), G20 (05)	—	800	.776	5.37
1550	1400	P10	—	800	.776	5.37
1600	1445	G20 (06)	—	930	.808	5.37
1625	1470	—	C10-20 (03)	800	.779	5.30
1625	1470	—	*C10 (03) C10-20 (06)	930	.813	5.37
1625	1470	—	*C10903 C10 (06)	800	.780	5.37
1625	1470	—	C10 Blazer	1230	.840	5.37
1750	1575	C20 (03)	—	800	.779	5.30
1750	1575	C20 (06), C30 (03)	C20 (03)	920	.796	5.23
1700	1575	G30	—	930	.808	5.37
1900	1470	—	C20 (03)	800	.779	5.30
1900	1710	—	*C20 (03, 06)	920	.779	5.23
1900	1713	C20-30 (63)	*C20 (03, 06)	1060	.845	5.43
1900	1750	—	*C20-30 (63) P20 (42)	1120	.858	5.46
1950	1705	—	*C30 (03)	930	.808	5.37
1950	1710	—	*C30 (03)	1230	.826	5.37
1950	1710	—	*C30 (03)	1230	.840	5.37
1950	1815	—	G30 (05)	1230	.840	5.37
2200	2020	P30 (42) (1) P30832 (1) P31132 (1) P31432 (1)	—	1320	.890	5.42

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

2500	NA	P31832 (2)	P31432 (2) (Included w/optional 10,000 lb Rear Axle)	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

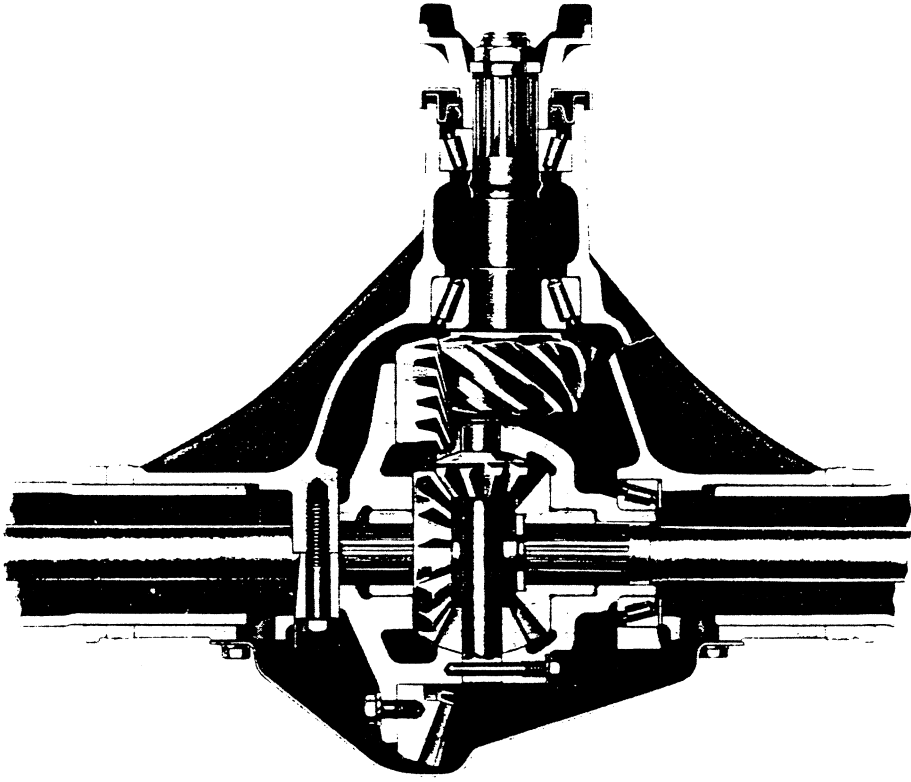


Illustration shows typical 2700 lbs capacity El Camino rear axle.

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

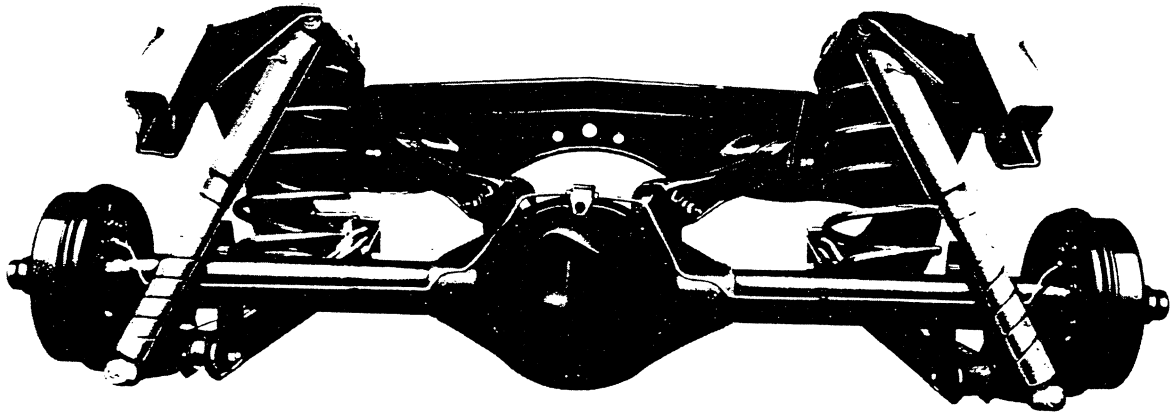
*For application and availability see Power Teams chart under Vega Panel Express or El Camino tabs.*

<b>Capacity</b> .....	1790 lbs		2700 lbs		
<b>Make</b> .....	Chevrolet				
<b>Pinion &amp; Ring Gears:</b> 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		8.125		
<b>Differential:</b> Type .....	Two-Pinion				
<b>Axle Shaft:</b> Type .....	Integral Shaft and Drive Flange				
<b>Housing:</b> (w/ spring seat) 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>		
895	—	Vega Panel Express	—	130	.499	5.24
1090	930	El Camino	—	115	.549	7.098
1115	955	—	El Camino	140	.140	7.140

# SUSPENSION SHOCK ABSORBERS

## SHOCK ABSORBERS

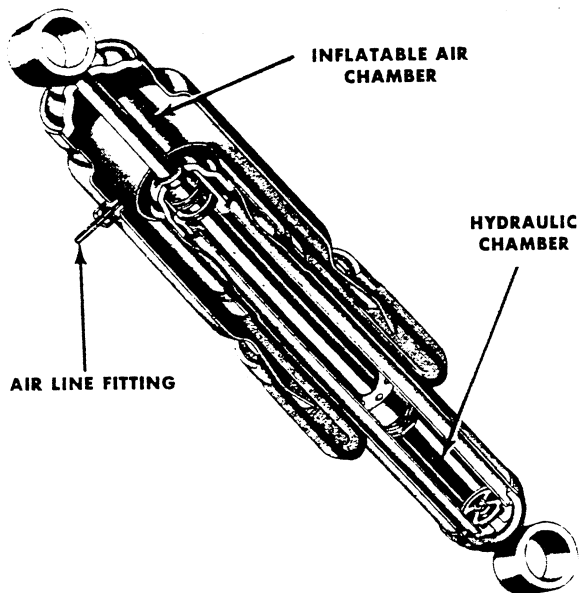
(Hydraulic Direct-Double Acting)

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	5.29
C/P10	—	Rear		1.00	9.29(a)
C20; P20-30	—	Rear		1.00	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



### 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.

## Applications

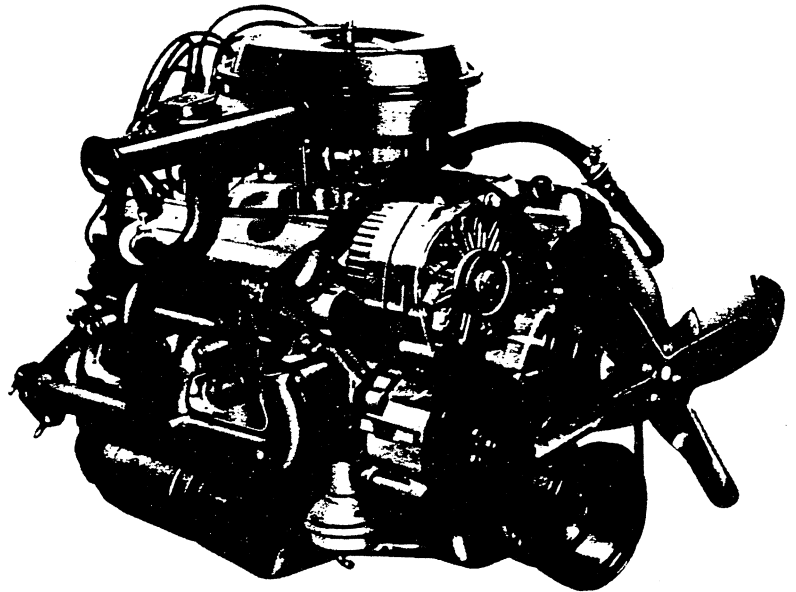
Standard: El Camino  
 Optional: None

## Basic Specifications

Engine type ..... Valve-in-head  
 Piston displacement ..... 307 cu in  
 Bore & stroke (nominal) ..... 3.87" x 3.25"  
 Compression ratio ..... 8.5:1  
 Carburetor type ..... 2-barrel

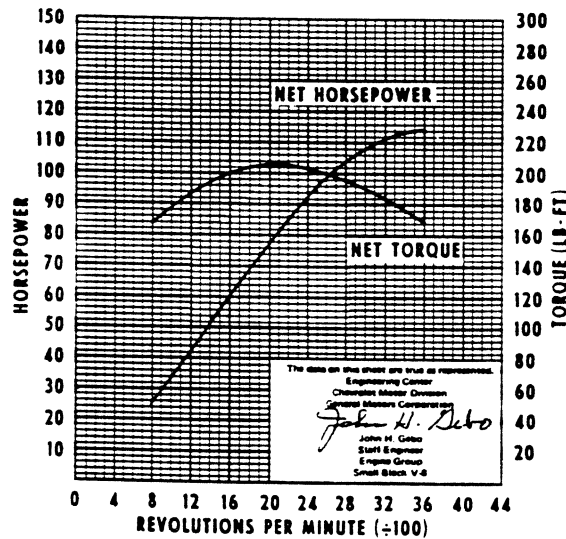
## Test Procedures

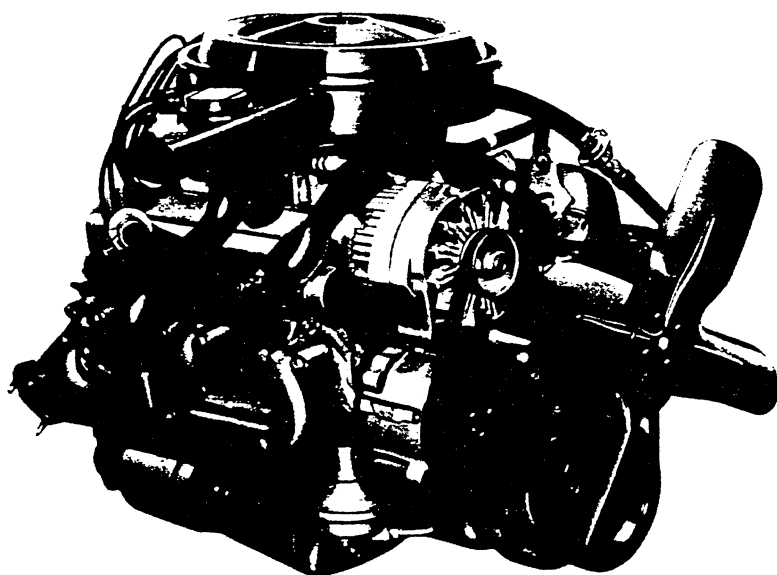
These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.



Typical Engine Shown

SAE net horsepower (85°F) ..... 115 @ 3600 rpm  
 SAE net torque, lb-ft (85°F) ..... 205 @ 2000 rpm





**Typical Engine Shown**

## Applications

Standard: None  
Optional: El Camino

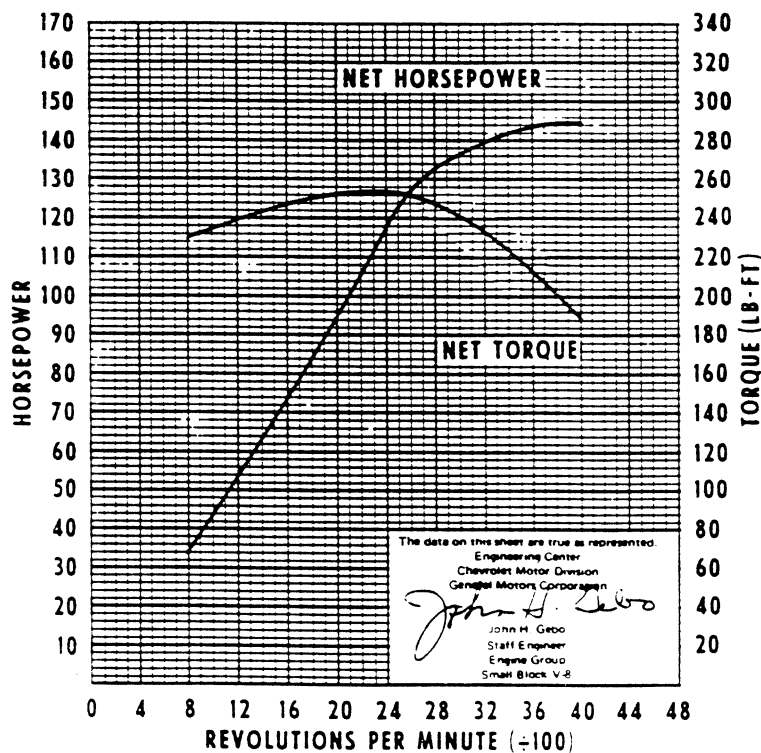
## Basic Specifications

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..... 2-barrel

## 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 @ 4000 rpm  
SAE net torque, lb-ft (85°F)..... 255 @ 2400 rpm



# TURBO-FIRE 350 V8

## Applications

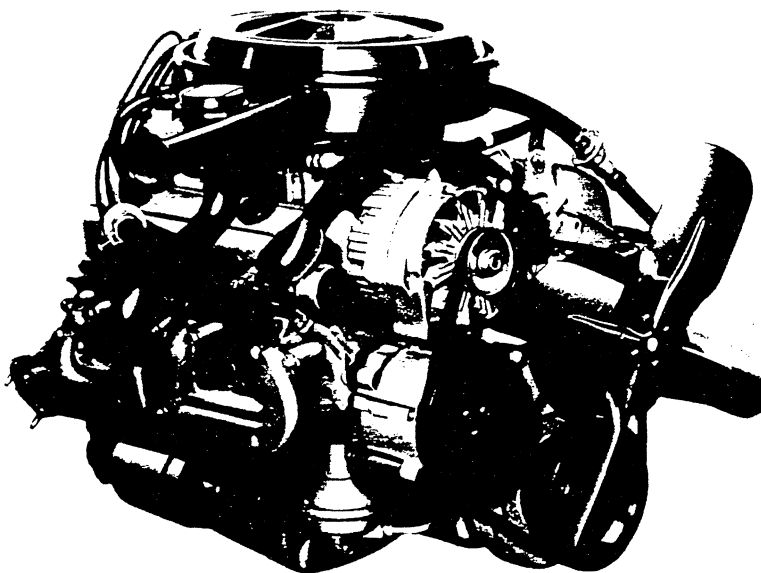
Standard: None  
Optional: El Camino

## 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

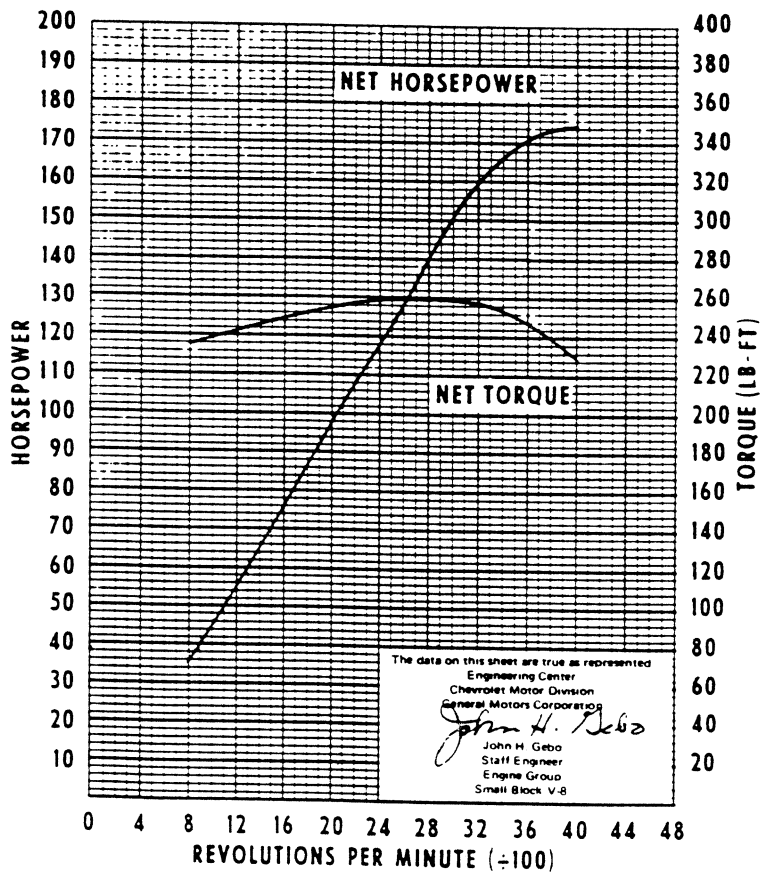
## Test Procedures

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) ..... 175 @ 4000 rpm  
SAE net torque, lb-ft (85°F) ..... 260 @ 2800 rpm



# 307 V8 ENGINES

## SPECIFICATIONS

	TURBO-FIRE		HIGH TORQUE			
	307 V8 (El Camino)		307 V8 (All Series 10; Series 20 Suburbans)		307 V8 (All Series 20-30 except Series 20 Suburbans)	
<b>Basic Description</b>	V8; valve-in-head					
Displacement (cu in)	307					
Bore & Stroke (in)	3.875 x 3.25					
Compression Ratio	8.5:1					
Firing Order	1-8-4-3-6-5-7-2					
SAE net Horsepower @ rpm	115 @ 3600	115 @ 3600	115 @ 3600	130 @ 4000		
SAE net Torque (lb-ft) @ rpm	205 @ 2000	205 @ 2000	205 @ 2000	220 @ 2200		
<b>Air Cleaner</b>	See model pages for type					
<b>Camshaft</b>						
Bearings	Steel-backed babbitt					
Valve Timing (in crankshaft degrees)						
Intake Valve (excluding ramps)	Opens	28° BTC				
	Closes	72° ABC				
Exhaust Valve (excluding ramps)	Opens	78° BBC				
	Closes	30° ATC				
Intake Duration	w/o Ramp	280°				
Exhaust Duration	w/o Ramp	288°				
<b>Carburetor</b>						
Type	2-Barrel					
Make	Rochester					
Venturi ID (in)	1.09					
Throttle Bore (in)	1.437	1.437	1.437	1.69		
Choke Control	Automatic					
<b>Connecting Rods</b>						
Material	Drop-forged steel					
Length (in)	5.695—5.705					
Bearings	Copper lead alloy or micro-babbitt on steel					
<b>Crankcase Ventilation</b>	Closed positive					
<b>Crankshaft</b>						
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	Copper lead alloy or micro-babbitt aluminum					
<b>Distributor</b>	Delco-Remy; centrifugal & vacuum advance					
<b>Fuel Filter</b>						
Carburetor	Sintered bronze	Sintered bronze	Sintered bronze	Pleated fiber element		
Fuel Tank	Plastic 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 throw-off from rod bearing					
Piston Pins	Cross sprayed throw-off from rod bearing					

# 307 V8 ENGINES

## SPECIFICATIONS

	TURBO-FIRE	HIGH TORQUE	
	307 V8 (El Camino)	307 V8 (All Series 10; Series 20 Suburbans)	307 V8 (All Series 20-30 except Series 20 Suburban)
<b>Oil Capacity (qts)</b>			
With filter change	4.5	5	
W/o filter change		4	
<b>Oil Filter</b>		Full flow; throwaway type	
Capacity (qts)	1/2	1	1
<b>Oil Pump</b>			
Type		Spur gear; distributor shaft driven	
Capacity (gpm)		4.3 @ 2000 rpm	
Normal Pressure (psi)		30 @ 1180 rpm	
<b>Pistons</b>			
Material		Cast aluminum alloy	
Skirt		Open	
Head		Flat; notched	
<b>Piston Pins</b>			
Type		Rod shrink fit to pin	
Material		Chromium steel	
<b>Piston Rings</b>			
Compression Rings			
Number		2	
Type		Upper—barrel; lower—inside bevel, tapered face	
Material		Cast alloy iron	
Oil Control Ring			
Number		1	
Type		Multi-piece	
Material		Steel	
<b>Thermostat</b>		Harrison or Dole; 195°	
<b>Valve Train</b>			
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			
Material		Alloy steel	
Diameter (in)	1.935—1.945	1.715—1.725	
Face Coating		None	
Seats		Machined in cylinder head	
Exhaust Valves			
Material		High alloy steel	
Diameter (in)		1.495—1.505	
Face Coating	Aluminized	Stellite	
Seats		Machined in cylinder head; induction hardened	
Rotators		Yes (light duty emission only)	
<b>Water Pump</b>			
Type		Centrifugal	
Capacity (gpm)		25 @ 2000 rpm	

# 350 V8 ENGINES

## SPECIFICATIONS

	Turbo-Fire		High Torque
	350 V8 (El Camino)	350 V8 (El Camino)	350-V8 All 10-30 Series
<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 @ 4000	175 @ 4000	155 @ 4000
SAE Net Torque (lb-ft) @ rpm	255 @ 2400	260 @ 2800	255 @ 2400
<b>Air Cleaner</b>	See model pages for type		
<b>Camshaft</b>			
Bearings	Steel-backed babbitt		
Valve Timing (in crankshaft degrees)			
Intake Valve	28° BTC		
(excluding ramps)	72° ABC		
Exhaust Valve	78° BEC		
(excluding ramps)	30° ATC		
Intake Duration w/o Ramp	280°		
Exhaust Duration w/o Ramp	288°		
<b>Carburetor</b>			
Type	2-barrel	4-barrel	4-barrel
Make	Rochester		
Venturi ID (in)	1.09		
Throttle Bore (in)	1.69	Primary 1.38; secondary 2.25	
Choke Control	Automatic		
<b>Connecting Rods</b>			
Material	Drop-forged Steel		
Length (in)	5.695—5.705		
Bearings	Premium aluminum		
<b>Crankcase Ventilation</b>	Closed positive		
<b>Crankshaft</b>			
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>			
Carburetor	Pleated fiber element		
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 V8 (El Camino)	350 V8 (El Camino)	350 V8 All 10-30 Series
<b>Oil Filter</b>	Throwaway	Full flow; replaceable element†	Throwaway
Capacity (qts)	1/2		1
<b>Oil Pump</b>	Spur gear; distributor shaft driven		
Type	4.3 @ 2000 rpm		
Capacity (gpm)	40 @ 2000 rpm		
Normal Pressure (psi)			
<b>Pistons</b>	Cast aluminum alloy		
Material	Slipper		Closed
Skirt	Sump; chamfered top land		
Head			
<b>Piston Pins</b>	Rod shrink fit to pin		
Type	Chromium steel		
Material			
<b>Piston Rings</b>	Upper—barrel; lower—inside bevel		
Compression Rings	Cast iron alloy		
Number	2		
Type			
Material	1		
Oil Control Ring	Multi-piece		
Number	Steel		
Type	Harrison; 195°		
Material			
<b>Thermostat</b>			
<b>Valve Train</b>	Individually mounted rocker arms, push rod actuated		
Type	Hydraulic		
Lifters	1.50:1		
Rocker Arm Ratio	Integral with cylinder head		
Valve Guides	Zero		
Valve Lash			
Intake Valves	Alloy steel		
Material	1.94		1.94** 1.72††
Diameter (in)	None		
Face Coatings	Machined in cylinder head		
Seats	High alloy steel		Stellite
Exhaust Valves			High alloy steel
Material	Aluminized		1.50
Diameter (in)	None		Stellite‡
Face Coating	Machined in cyl. head; induction hardened		
Seats	Yes (light duty emission)		
Rotators			
<b>Water Pump</b>	Centrifugal		
Type	25 @ 2000 rpm		
Capacity (gpm)			

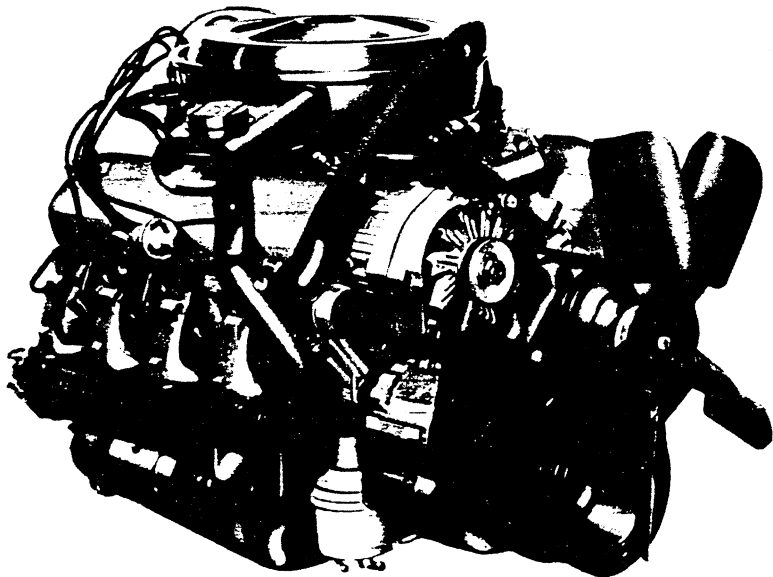
\*\*On all Series 10; and on Series 20 Suburbans, Series 20-30 Sportvans, and Series 20 Chevy Vans.

‡Aluminized on Series 10; and on Series 20 Suburbans, Series 20-30 Sportvans, and Series 20 Chevy Vans.

†On 50 Series. Throwaway on 40 Series.

††Also on Series 20-30 Pickups, Chassis-Cabs, Step-Vans, and FC Chassis; Series 30 Chevy Vans.

# TURBO-JET 454 V8



## Applications

Standard: None  
 Optional: El Camino

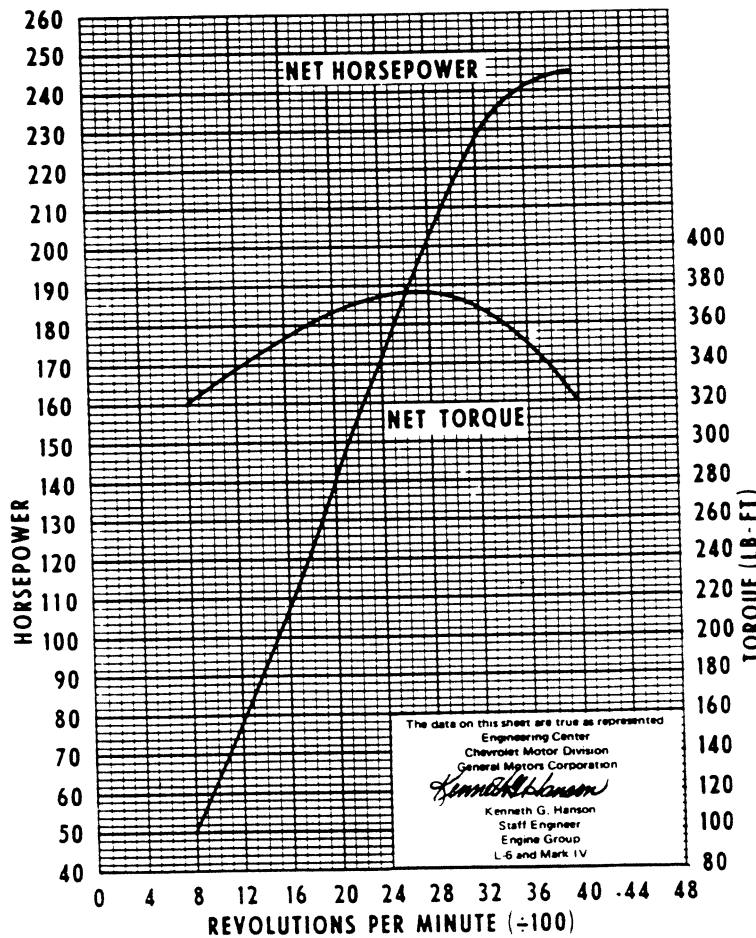
## Basic Specifications

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

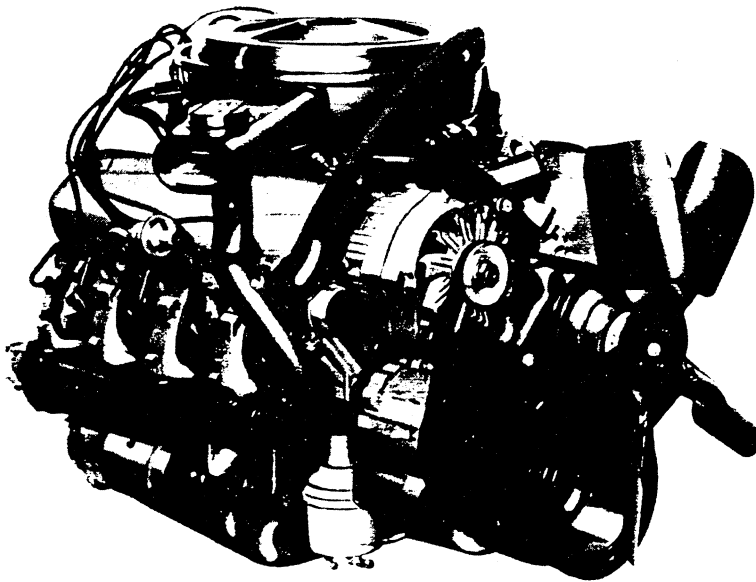
## Test Procedures

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) ..... 245 @ 4000 rpm  
 SAE net torque, lb-ft (85°F) ..... 375 @ 2800 rpm



# HIGH TORQUE 454 V8



## Applications

Standard: None

Optional: C10-30 (except Blazer); P30 Models

## 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

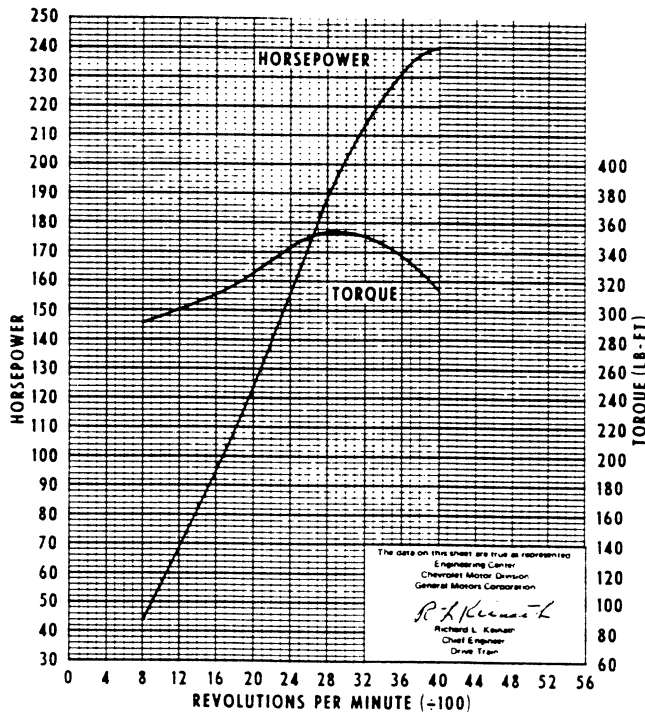
## Test Procedures

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

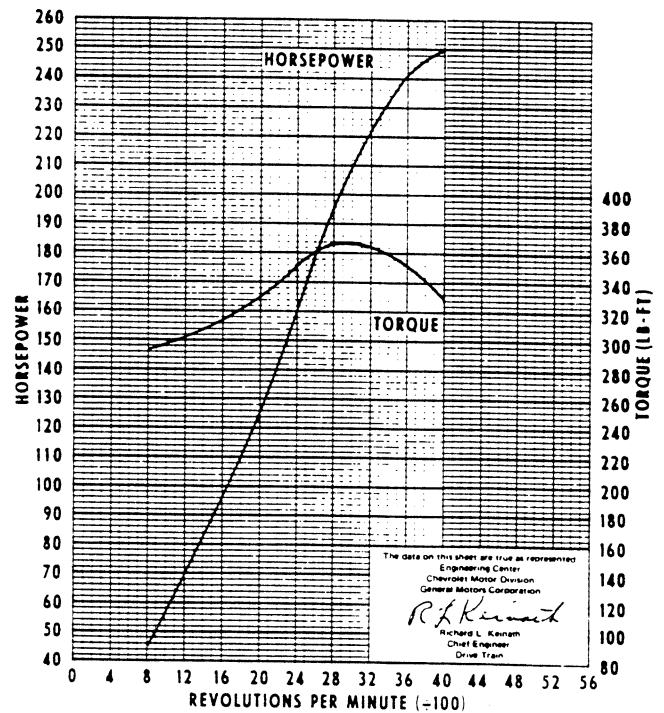
454 V8  
 C10 (except Blazer); C20-30

SAE net horsepower (85°F).....240 @ 4000 rpm  
 SAE net torque, lb-ft (85°F).....355 @ 2800 rpm



454 V8  
 P30 Models

SAE net horsepower (85°F).....250 @ 4000 rpm  
 SAE net torque, lb-ft (85°F).....365 @ 2800 rpm



# 454 V8 ENGINES

## SPECIFICATIONS

	TURBO-JET		HIGH TORQUE	
	454 V8 (El Camino)		454 V8 (All C10-30 except Blazer models)	454 V8 (P30 models)
<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	245 @ 4000		240 @ 4000	250 @ 4000
SAE Net Torque (lb-ft) @ rpm	375 @ 2800		355 @ 2800	365 @ 2800
<b>Air Cleaner</b>	Thermostatically controlled; oil wetted paper element			
<b>Camshaft</b>				
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>				
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>				
Material	Drop forged steel			
Length (in)	6.130-6.140			
Bearings	Premium aluminum			
<b>Crankcase Ventilation</b>	Closed positive			
<b>Crankshaft</b>				
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>				
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 V8 (El Camino)	454 V8 (All C10-30 except Blazer models)	454 V8 (P30 models)
<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		
<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>			
<b>Compression Rings</b>			
Number	2		
Type	Upper—barrel face; lower—taper face		
Material	Cast alloy iron		
<b>Oil Control Rings</b>			
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		
<b>Intake Valves</b>			
Material	Alloy steel		
Head Diameter (in)	2.060-2.070		
Face Coating	Aluminized		
Seats	Machined in cylinder head		
<b>Exhaust Valves</b>			
Material	High alloy steel		
Head Diameter (in)	1.715-1.725		
Face Coating	Aluminized		
Seats	Machined in cylinder head; induction hardened		
Rotators	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 Four	307 V8 (130 HP)	350 V8 (165 HP)
<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>			
Type .....	Helical		
Material .....	Forged steel; hardened		
<b>Gearshift Control:</b>			
Type .....	Column		
Location .....			

#### 4-SPEED TRANSMISSIONS

Type	LUV 4-Speed	Chevrolet 4-Speed	Chevrolet Wide-Range 4-Speed	Chevrolet Close-Ratio 4-Speed
<b>Applications</b> .....	LUV 4-Cylinder	140 Four	350 V8 (200 HP)	454 V8
<b>Synchronized Speeds</b> .....	All forward			
<b>Gear Ratios:</b>				
First .....	3.51	3.11	2.54	2.20
Second .....	2.18	2.20	1.80	1.64
Third .....	1.42	1.47	1.44	1.27
Fourth .....	Direct	Direct	Direct	Direct
Reverse .....	3.93	3.11	2.54	2.26
<b>Gears:</b>				
Type .....	Helical			
Material .....	Forged steel; hardened			
<b>Gearshift Control:</b>				
Type .....	Manual direct			
Location .....	Floor *			

#### AUTOMATIC TRANSMISSIONS

Type	Chevrolet Powerglide	Turbo Hydra-matic		
<b>Applications</b> .....	140 Four	140 Four	454 V8	307 V8; 350 V8
<b>Drive (Maximum)</b> .....	4.73:1	4.19:1	5.21:1	5.29:1
<b>Cooling</b> .....	Water			

\*Console optional

# POWER TRAINS

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# POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*			RING GEAR
			STAND.	PERF.	TRAILER	
Turbo Thrift 250 250 Cubic Inch L-6 Standard	3-Speed (2.85:1 low)	Deluxe & Malibu Sedans & Coupes	3.08:1			8.50
	Turbo Hydra-matic					
	3-Speed (2.85:1 low)	Deluxe Wagon Only	3.42:1			8.875
Turbo Hydra-matic						
Turbo Fire 307 307 Cubic Inch V-8 RPO L14	3-Speed (2.85:1 low)	Deluxe & Malibu Sedans & Coupes	3.08:1			8.50
	Turbo Hydra-matic		3.08:1			
	3-Speed (2.85:1 low)	Pickups	3.42:1			3.42:1
	Turbo Hydra-matic		3.08:1			3.42:1
	3-Speed (2.85:1 low)	Station Wagons	3.42:1			3.42:1
	Turbo Hydra-matic		3.08:1			3.42:1
Turbo Fire 350 350 Cubic Inch V-8 RPO L65	3-Speed (2.54:1 low)	Sedans, Coupes & Pickups	3.08:1			8.50
	Turbo Hydra-matic		2.73:1			
	3-Speed (2.54:1 low)	Station Wagons	3.08:1			3.42:1
	Turbo Hydra-matic		2.73:1			3.42:1
Turbo-Fire 350 350 Cubic Inch V-8 RPO L48	4-Speed (2.54:1 low)	Coupes & Pickups	3.42:1			8.50
	Turbo Hydra-matic	Coupes, Sedans & Pickups	2.73:1			
	Turbo Hydra-matic	Station Wagons	2.73:1			3.42:1
Turbo Jet 454 454 Cubic Inch V-8 RPO LS4	4-Speed (2.54:1 low)	Coupes & Pickups	3.42:1			8.50
	Turbo Hydra-matic	Coupes, Sedans & Pickups	2.73:1			
	Turbo Hydra-matic	Station Wagons	2.73:1			3.42:1

\* Positraction axles available optionally.



## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSION

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
250 Cu.In. L-6 Standard	Single Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08
307 Cu.In. V-8 RPO L14	2-Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08
350 Cu.In. V-8 RPO L65	2-Barrel	3-Speed	7.82	4.62	3.08		8.10	3.08
350 Cu.In. V-8 RPO L48	4-Barrel	4-Speed	8.68	6.16	4.92	3.42	8.68	3.42
454 Cu.In. V-8 365 HP RPO LS4	4-Barrel	4-Speed	8.68	6.16	4.92	3.42	8.68	3.42

### WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
250 Cu.In. L-6 Standard	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	
307 Cu.In. V-8 RPO L14	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	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 L48	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.88:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.54:1 - 5.27:1	
454 Cu.In. V-8 RPO LS4	Turbo Hydra-matic	Drive	16.05:1 - 2.73:1	2.73:1
		Low	16.05:1 - 7.64:1	
		Second	16.05:1 - 4.56:1	
		Reverse	13.46:1 - 6.40:1	

\* Axle ratio x transmission ratio

# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine Type		L-6 OHV	V-8 OHV			
Piston Displacement (Cu.In.)		250	307	350		454
Availability		Standard	L14	L65	L48	LS4
Number of Cylinders		Six	Eight			
Bore (nominal)		3.875		4.00	4.251	
Stroke (nominal)		3.53	3.25	3.48		4.00
Compression Ratio		8.25:1		8.5:1		8.25:1
Taxable (SAE) Horsepower		36.0	48.0	51.2		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)	700		900		750
	Turbo Hydra-matic (in drive)			600		
Comp. Press. (PSI) @ Cranking Speed, Engine Hot		140		150		160
Power Plant	Front	Two, preloaded captive cushion type				
Mountings	Rear	One, shear type				
Measurements	Fan to rear of engine block	35.27	31.55	31.55	31.55	33.97
	Top of air cleaner to bottom of oil pan	27.76	29.45	29.60	28.52	29.12
	Width - including air cleaner	30.68	28.53	28.53	28.53	33.31

## ADVERTISED ENGINE RATING

Engine Designation	Turbo-Thrift 250 L-6	Turbo-Fire 307 V-8	Turbo-Fire 350 V-8	Turbo-Fire 350 V-8	Turbo-Jet 454 V-8
Availability	Standard	RPO L14	RPO L65	RPO L48	RPO LS4
Carburetor	Single Bbl.	Two Bbl.	Two Bbl.	Four Bbl.	Four Bbl.
Net Brake HP @ RPM	100 @ 3600	115 @ 3600	145 @ 4000	175 @ 4000	245 @ 4000
Net Torque @ RPM (lb-ft)	175 @ 1600	205 @ 2000	255 @ 2400	260 @ 2800	375 @ 2800

# ENGINE SPEED AND PISTON TRAVEL

## TURBO-THRIFT 250 L-6 ENGINE

Transmission		3-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.08:1 (a)	3.08
Tire Size		E78 x 14B (b)	
Crankshaft Revolutions per Mile		2451.7	
Crankshaft RPM @ 1 MPH	Low	116.5	103.0
	Second	68.6	62.1
	Third	40.9	40.9 (direct)
	Reverse	121.5	78.9
Piston Travel (ft/mile)		1442.4	

(a) 3.42:1 on Station Wagons & Pickups      (b) H78 x 14B on Station Wagons

## ● TURBO-FIRE 307 V-8 ENGINE

Transmission		3-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.08:1 (a)	3.08
Tire Size		G78 x 14B (b)	
Crankshaft Revolutions per Mile		2365.4	
Crankshaft RPM @ 1 MPH	Low	112.4	99.4
	Second	66.2	59.9
	Third	39.4	39.4
	Reverse	116.3	76.1
Piston Travel (ft/mile)		1281.3	

(a) 3.42:1 on Station Wagons & Sedan Pickups      (b) H78 x 14B on Station Wagons

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

Transmission		3-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.08:1	2.73:1
Tire Size		G78 x 14B (a)	
Crankshaft Revolutions per Mile		2365.4	2096.6
Crankshaft RPM @ 1 MPH	Low	100.1	88.1
	Second	59.1	53.1
	Third	39.4	34.9
	Reverse	103.7	67.4
Piston Travel (ft/mile)		1371.9	1216.1

(a) H78 x 14B on Station Wagons

## TURBO-FIRE V-8 ENGINE (350 CU. IN. RPO L48)

Transmission		4-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.42:1	2.73:1
Tire Size		G78 x 14B	
Crankshaft Revolutions per Mile		2626.6	2096.6
Crankshaft RPM @ 1 MPH	Low	111.2	88.1
	Second	78.8	53.1
	Third	63.0	34.9 (direct)
	Fourth	43.8	
	Reverse	111.2	67.4
Piston Travel (ft/mile)		1523.4	1216.1

(a) H78 x 14B on Station Wagons

## TURBO-JET 454 V-8 ENGINE

Transmission		4-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.42:1	2.73:1
Tire Size		G78 x 14 (a)	
Crankshaft Revolutions per mile		2626.6	2096.6
Crankshaft RPM @ 1 MPH	Low	111.2	88.1
	Second	78.8	53.1
	Third	63.0	34.9 (direct)
	Fourth	43.8	
	Reverse	111.2	72.7
Piston Travel (ft/mile)		1751.0	1397.8

(a) H78 x 14B on Station Wagons

# VEHICLE PERFORMANCE FACTORS

ENGINE	250 CU.IN. 100 HP	307 CU.IN. 115 HP	350 CU.IN. 145 HP	350 CU.IN. 175 HP	454 CU.IN. 245 HP
MODEL	1AC29	1AD29	1AE29	1AD37	1AE37

## 3-SPEED TRANSMISSION

Performance Weight (pounds)	4145	4337	4434		
Pounds per Net Horsepower	41.45	37.71	30.58		
Pounds per Cu.In. Displacement	16.58	14.13	12.67		
Net HP per Cu.In. Displacement	.400	.334	.414		
Power Displacement (cu.ft./mile)	177.35	210.12	239.55		
Displacement Factor (cu.ft./ton mile)	85.68	96.83	107.90		

## 4-SPEED TRANSMISSION

Performance Weight (pounds)				4377	4630
Pounds per Net Horsepower				24.92	18.90
Pounds per Cu.In. Displacement				12.46	10.20
Net HP per Cu.In. Displacement				.500	.540
Power Displacement (cu.ft./mile)				266.00	345.04
Displacement Factor (cu.ft./ton mile)				122.02	149.37

## TURBO HYDRA-MATIC

Performance Weight (pounds)	4164		4463	4361	4662
Pounds per Net Horsepower	41.64		30.78	25.01	19.03
Pounds per Cu.In. Displacement	16.66		12.75	12.51	10.27
Net HP per Cu.In. Displacement	.400		.414	.500	.540
Power Displacement (cu.ft./mile)	177.35		212.33	212.33	275.42
Displacement Factor (cu.ft./ton mile)	85.26		95.21	96.95	118.21

## 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	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

## CYLINDER BLOCK

Material	Cast alloy iron
Bore Diameter	
L6-250 Cu.In.	3.8745-3.8775
V8-307 Cu.In.	3.8745-3.8775
V8-350 Cu.In.	3.9995-4.0025
V8-454 Cu.In.	4.2496-4.2524
Bearing Caps (Number, material & attachment)	
L6-250 Cu.In.	7, cast iron, 2-bolt
V8-307 & 350 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
V8-307 & 350 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.
V8-307 & 350 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.
V8-307 Cu.In.	5.32 Cu.In.
V8-350 Cu.In.	6.08 Cu.In.
V8-454 Cu.In.	8.15 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
V8-307 & 350 Cu.In.	Dual, 4 port, rear downtake
V8-454 Cu.In.	Dual, 4 port, rear downtake
Outlet Diameter	
L6-250, V8-307 & 350 Cu.In.	2.0
V8-454 Cu.In.	2.5

## CRANKSHAFT

Material	
L6-250, V8-307 & 350 Cu.In.	Cast nodular iron
V8-454 Cu.In.	Manual - Forged steel Automatic - Cast nodular iron
End Play	
L6-250 & V8-307 Cu.In.	.002-.006
V8-350 Cu.In.	.002-.007
V8-454 Cu.In.	.006-.010
Counter Weights	
L6-250 Cu.In.	12
V8-307, 350 & 454 Cu.In.	6
Crank Arm Length	
L6-250 Cu.In.	1.765
V8-307 Cu.In.	1.625
V8-350 Cu.In.	1.74
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

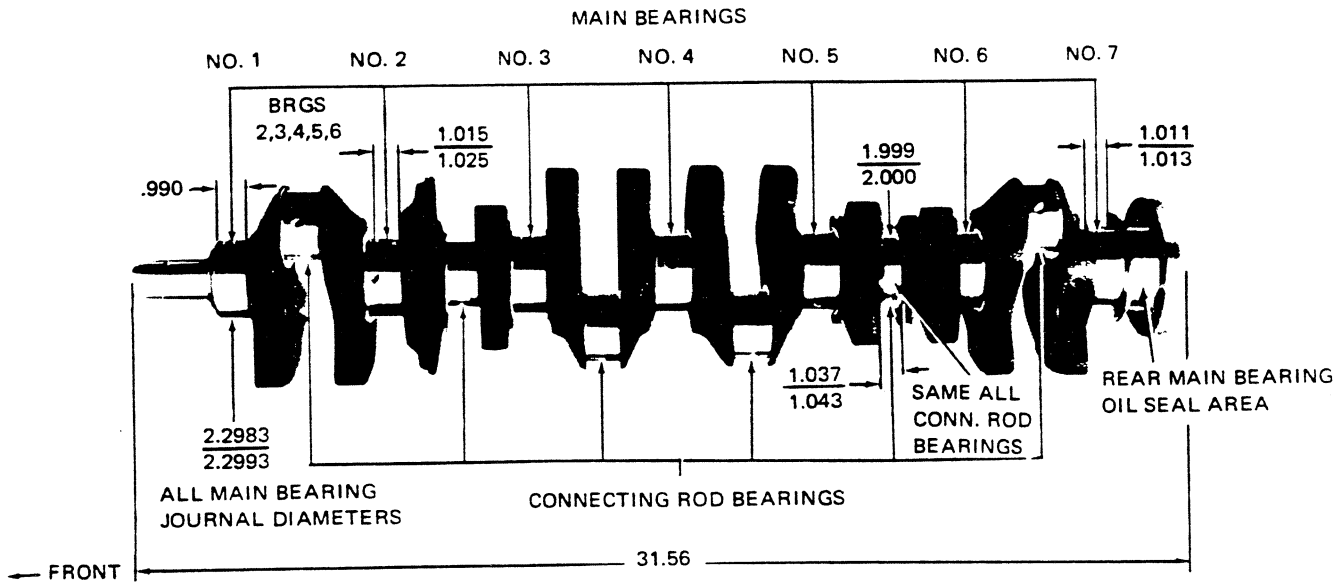
Material	Steel backed insert: (copper lead alloy or premium aluminum lining selected for specific engine application)
Type	Precision removable
Thrust Against Bearing No.	L6-No. 7; V8-No. 5
Clearance	
L6-250 Cu.In.	.0003-.0029
V8-307 & 350 Cu.In.	(No. 1) .0008-.0020; (No. 2-3-4) .0011-.0023; (No. 5) .0017-.0033
V8-454 Cu.In.	(No. 1) .0007-.0019 (No. 2-3-4) .0013-.0025; (No. 5) .0019-.0035

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area
L6-250 Cu.In.			
Bearing No. 1-6	2.3004	.752	1.7299
Bearing No. 7	2.3004	.760	1.7483
V8-307 & 350 Cu.In.			
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.180	2.8919
V8-454 Cu.In.			
Bearing No. 1	2.7499	.992	2.7279
Bearing No. 2-4	2.7504	.992	2.7284
Bearing No. 5	2.7505	1.256	3.4535

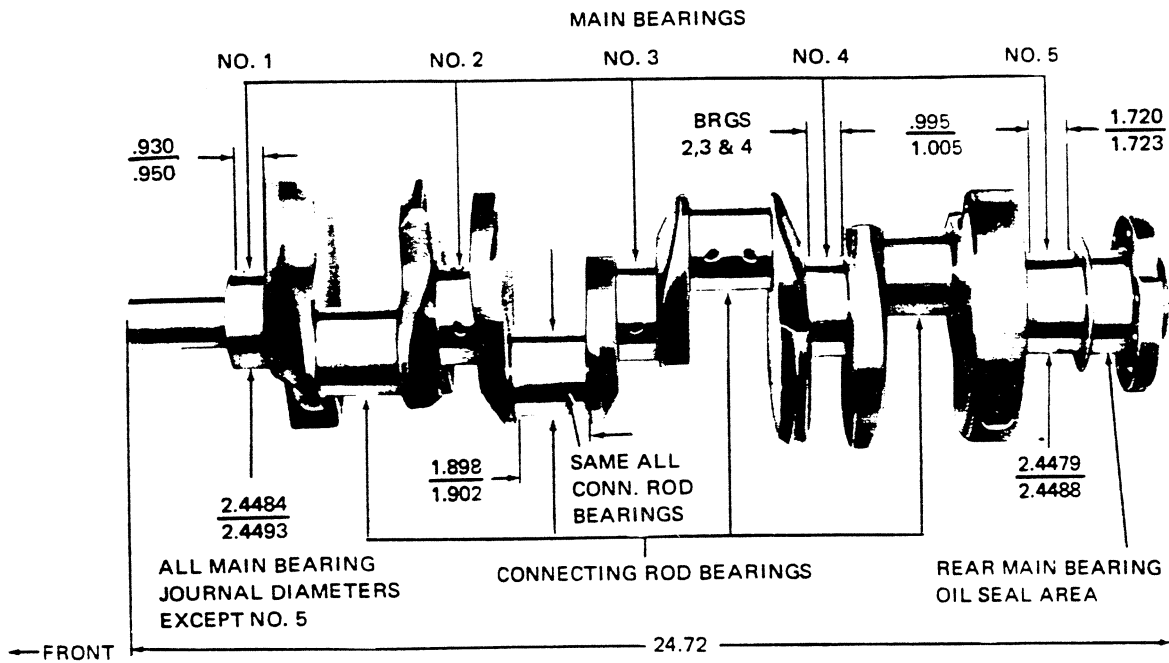
# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

### 250 CUBIC INCH SIX CYLINDER ENGINE



### 307 and 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	
L6-250 Cu.In.	.2217 Inlet & Exhaust
V8-307 & 350 Cu.In.	.2600 Inlet; .2733 Exhaust
V8-454 Cu.In.	.2588 Inlet & Exhaust
Camshaft Bearing	Steel backed babbit

## VALVE TRAIN

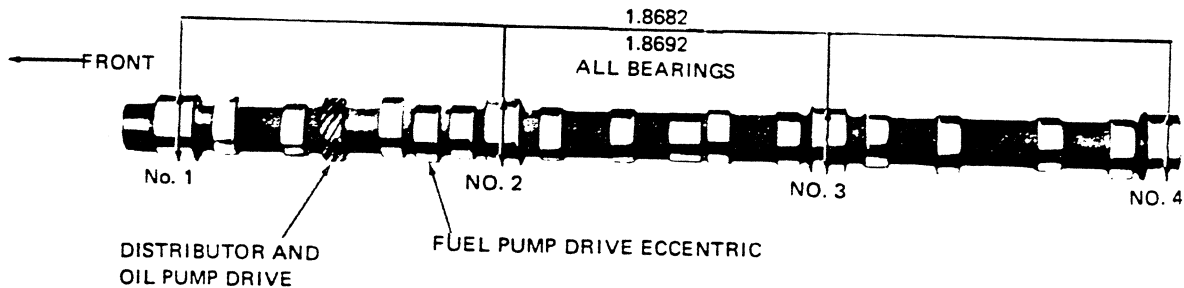
Type	Individually mounted, overhead rocker arms, push rod actuated
Rocker Arms	Stamped steel
Ratio	
L6-250 Cu.In.	1.75:1
V8-307 & 350 Cu.In.	1.50:1
V8-454 Cu.In.	1.70:1
Push Rods	
Type	Hollow steel
Ends	
L6, V8-307 & 350 Cu.In.	Hardened
V8-454 Cu.In.	Hardened steel inserts
Rotators (V8-307, 350 & 454)	Exhaust

## VALVE SPRINGS

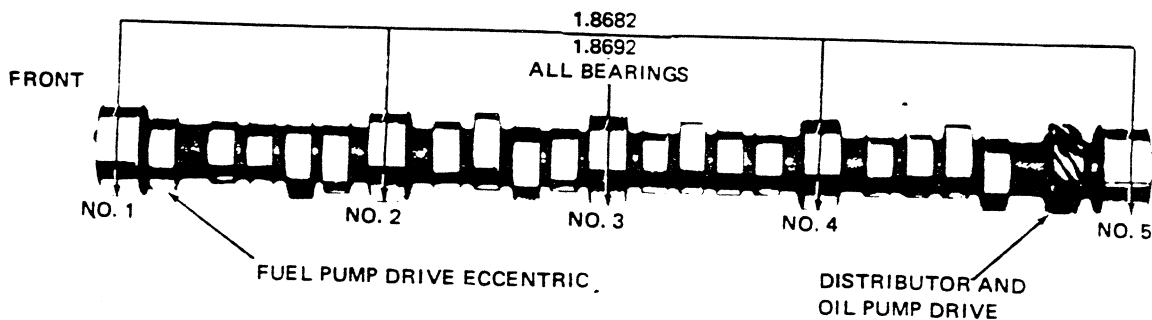
Diameter	
L6-250 Cu.In.	.872-.888
V8-307 & 350 Cu.In.	.868-.884
V8-454 Cu.In.	1.082-1.098
Installed Length (lb. @ in.)	
Valves closed	
L6-250 Cu.In.	56-64 @ 1.66
V8-307 & 350 Cu.In.	76-84 @ 1.70
V8-454 Cu.In.	74-86 @ 1.88
Valves opened	
L6-250 Cu.In.	180-192 @ 1.27
V8-307 & 350 Cu.In.	194-206 @ 1.25
V8-454 Cu.In.	288-312 @ 1.38
Free Length	
L6-250 Cu.In.	1.90
V8-307 & 350 Cu.In.	2.03
V8-454 Cu.In.	2.09
Valve Spring Damper	
L6-250 Cu.In.	None
V8-307 & 350 Cu.In.	Flat steel, 4 coils
V8-454 Cu.In.	Flat steel, 4 coils

## CAMSHAFT AND BEARINGS

### 250 CUBIC INCH L-6 ENGINE



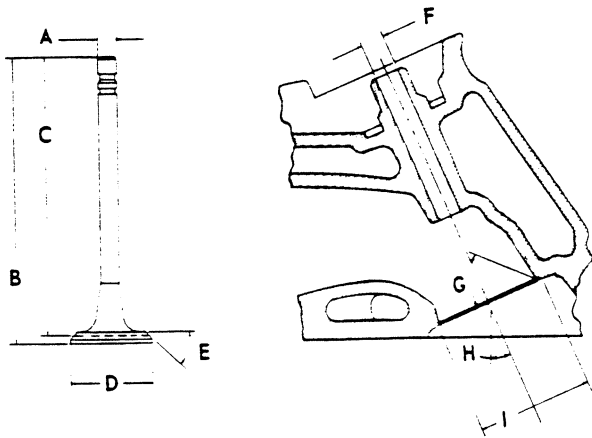
### 307 and 350 CUBIC INCH V-8 ENGINES



# PRINCIPAL COMPONENTS

## INLET VALVES

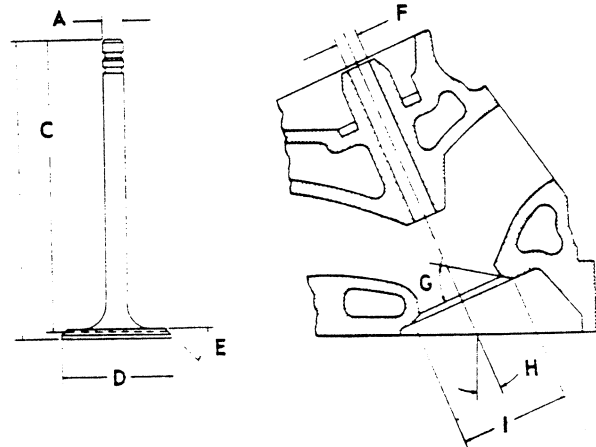
Material	Alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-307 & 350 Cu.In.	None
V8-454 Cu.In.	Face and head aluminized
All Stems	Chrome flash
Valve Guide Inserts (V8-454)	Cast alloy iron



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-307 & 350 Cu.In.	.3410-.3417
V8-454 Cu.In.	.3715-.3722
B - Overall Length	
L6-250 Cu.In.	4.902-4.922
V8-307 Cu.In.	4.870-4.899
V8-350 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
V8-307 & 350 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
V8-307 Cu.In.	1.935-1.945
V8-350 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
V8-307 & 350 Cu.In.	.3427-.3437
V8-454 Cu.In.	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-307 & 350 Cu.In.	23°
V8-454 Cu.In.	4°
I - Valve Seat (cutter) Diameter	
L6-250 Cu.In.	1.591-1.597
V8-307 & 350 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
V8-307 & 350 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
V8-307 & 350 Cu.In.	.3410-.3417
V8-454 Cu.In.	.3713-.3720
B - Overall Length	
L6-250 Cu.In.	4.913-4.933
V8-307 Cu.In.	4.913-4.933
V8-350 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
V8-307 & 350 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
V8-307 Cu.In.	1.495-1.505
V8-350 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
V8-307 & 350 Cu.In.	.3427-.3437
V8-454 Cu.In.	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-307 & 350 Cu.In.	23°
V8-454 Cu.In.	4°
I - Valve Seat (cutter) Diameter	
L6-250 Cu.In.	1.321-1.327
V8-307 & 350 Cu.In.	1.321-1.327
V8-454 Cu.In.	1.583-1.589



## VALVE LIFT

L6-250 Cu.In.	.3880 Inlet & Exhaust
V8-307 & 350 Cu.In.	.3900 Inlet; .4100 Exhaust
V8-454 Cu.In.	.4400 Inlet & Exhaust

## VALVE TIMING (Crankshaft Degrees - Excluding Ramps)

L6-250 Cu.In.	
Inlet Valve	
Opens - BTC	16°
Closes - ABC	48°
Duration	244°
Exhaust Valve	
Opens - BBC	46°30'
Closes - ATC	17°30'
Duration	244°
V8-307 Cu.In.	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	72°
Duration	280°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°
V8-350 Cu.In.	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	72°
Duration	280°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°
V8-454 Cu.In.	
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
V8-307 Cu.In.	Flat, notched
V8-350 Cu.In.	Sump
V8-454 Cu.In.	Flathead, valve cutout
Skirt Type	Slipper
Top Land Clearance	
L6-250 Cu.In.	.0245-.0335
V8-307 & 350 Cu.In.	.0235-.0325
V8-454 Cu.In.	.0350-.0410
Skirt Clearance	
L6-250 Cu.In.	.0005-.0015
V8-307 Cu.In.	.0005-.0015
V8-350 Cu.In.	.0007-.0017
V8-454 Cu.In.	.0018-.0028
Compression Ring Groove Depth	
L6-250 Cu.In.	.2153-.2218
V8-307 Cu.In.	.2113-.2178
V8-350 Cu.In.	.2218-.2284
V8-454 Cu.In.	.2350-.2410
Oil Ring Groove Depth	
L6-250 Cu.In.	.2093-.2158
V8-307 Cu.In.	.2053-.2118
V8-350 Cu.In.	.2038-.2103
V8-454 Cu.In.	.2183-.2247
Pin Bore Offset	.055-.065
Compression Height	
L6-250 Cu.In.	1.658-1.662
V8-307 Cu.In.	1.673-1.677
V8-350 Cu.In.	1.558-1.562
V8-454 Cu.In.	1.641-1.649
PISTON PINS	
Material	Chromium steel
Length	
L6-250, V8-307 & 350 Cu.In.	2.990-3.010
V8-454 Cu.In.	2.930-2.950
Diameter	
L6-250, V8-307 & 350 Cu.In.	.9270-.9273
V8-454 Cu.In.	.9895-.9898
Clearance in Piston	
L6-250, V8-307 & 350 Cu.In.	.00015-.00025
V8-454 Cu.In.	.00040-.00050

# PRINCIPAL COMPONENTS

## COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
L6-250 Cu.In.	Molybdenum inlay
V8-307 & 350 Cu.In.	Chrome plate face
V8-454 Cu.In.	Molybdenum inlay
Width	
L6-250 Cu.In.	.0775-.0780
V8-307 Cu.In.	.0775-.0780
V8-350 Cu.In.	.0775-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-307 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
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
V8-307 & 350 Cu.In.	Wear resistant
V8-454 Cu.In.	Wear resistant
Width	
L6-250 Cu.In.	.0770-.0780
V8-307 Cu.In.	.0770-.0780
V8-350 Cu.In.	.0770-.0775
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-307 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-454 Cu.In.	.202-.212
Gap	
L6-250 Cu.In.	.010-.020
V8-307 Cu.In.	.010-.020
V8-350 Cu.In.	.013-.025
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 & V8-307 Cu.In.	.1870-.1890
V8-350 Cu.In.	.1850-.1870
V8-454 Cu.In.	.1855-.1875
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-307 & 350 Cu.In.	.150-.156
V8-454 Cu.In.	.137-.143
Gap	
L6-250 Cu.In.	.015-.055
V8-307 & 350 Cu.In.	.015-.055
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
V8-307 & 350 Cu.In.	5.695-5.705
V8-454 Cu.In.	6.130-6.140

## CONNECTING ROD BEARINGS

Material	
L6-250 & V8-307 Cu.In.	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-350 & 454 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-307 & 350 Cu.In.	.0013-.0035
V8-454 Cu.In.	.0009-.0025
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-307 & 350 Cu.In.	2.1019
V8-454 Cu.In.	2.2012
Effective Length	
L6-250 Cu.In.	.807
V8-307 & 350 Cu.In.	.797
V8-454 Cu.In.	.847
End Play	
L6-250 Cu.In.	.007-.016
V8-307 & 350 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 (sintered bronze V8-307)

## 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
V8-307 Cu.In. . . . .	5.50-7.50 PSI at pump outlet
V8-350 Cu.In. . . . .	7.50-9.00 PSI at pump outlet
V8-454 Cu.In. . . . .	7.50-9.00 PSI at pump outlet

## EVAPORATION CONTROL SYSTEM

Purpose . . . . .	Controls emission of gasoline vapors to the atmosphere
Major Components and Basic Function . . . . .	Integral vapor 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.

## AIR CLEANER

Type . . . . .	Cylindrical single air horn
Diameter	
L6-250 Cu.In. . . . .	12.62
V8-307 Cu.In. . . . .	15.48
V8-350 Cu.In. . . . .	15.48
V8-454 Cu.In. . . . .	15.48
Filter Element . . . . .	Oil-wetted paper

## CARBURETORS

Make and Type	
L6-250 Cu.In. . . . .	Rochester, 1-barrel, Monojet
V8-307 Cu.In. . . . .	Rochester, 2-bbl., downdraft
V8-350 (L65) Cu.In. . . . .	Rochester, 2-bbl., downdraft
V8-350 (L48) Cu.In. . . . .	Rochester, 4-bbl., Quadrajet
V8-454 Cu.In. . . . .	Rochester, 4-bbl., Quadrajet
SAE Flange Type	
L6-250 Cu.In. . . . .	1.50
V8-307 Cu.In. . . . .	1.25
V8-350 Cu.In. . . . .	1.50
V8-454 Cu.In. . . . .	1.50
Throttle Bore	
L6-250 Cu.In. . . . .	1.69
V8-307 Cu.In. . . . .	1.44
V8-350 (L65) Cu.In. . . . .	1.69
V8-350 (L48) & 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
V8-307 Cu.In. . . . .	1.09
V8-350 (L65) Cu.In. . . . .	1.09
V8-350 (L48) & 454 Cu.In.	
Primary . . . . .	1.09
Secondary . . . . .	Air valve

## CHOKE

Type . . . . .	Automatic
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# EXHAUST AND VENTILATION SYSTEM

## TYPE

L6-250 Cu.In.	Single
V8-307 & 350 (L65) Cu.In.	Single with crossover pipes
V8-350 (L48) Cu.In.	Dual, no resonators
V8-454 Cu.In.	Dual, with 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
V8-307 Cu.In.	.054 sheet steel, aluminized
V8-350 (L65) Cu.In.	.054 sheet steel, aluminized
V8-350 (L48) & 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
V8-307 & 350 (L65) Cu.In.	
No. 1 & 4	.048 sheet steel, zinc coated
No. 2 & 3	.036 sheet steel, zinc coated
V8-350 (L48) & 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, V8-307 & 350 Cu.In.	10.50
V8-454 Cu.In.	11.00

### Height

L6-250, V8-307 & 350 Cu.In.	4.06
V8-454 Cu.In.	4.50

## EXHAUST CROSSOVER PIPE (V8-307 & 350 (L65) Cu.In.)

Dimensions (O.D.) & Wall Thickness	2.00 x .082 laminated
---------------------------------------	-----------------------

## EXHAUST PIPE

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

L6-250 Cu.In.	2.00 x .064
V8-307 & 350 (L65) Cu.In.	2.25 x .079 laminated
V8-350 (L48) Cu.In.	2.00 x .082 laminated
V8-454 Cu.In.	2.25 x .082 laminated

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

Type	Straight through
Cover	.042
Heads	.048

## TAIL PIPES

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

L6-250 Cu.In.	2.00 x .056
V8-307 & 350 (L65) Cu.In.	2.00 x .056
V8-350 (L65) & 454 Cu.In.	2.00 x .056

## EXHAUST EMISSION CONTROLS

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

Combination Emission Control Valve (L6-250) Reduces pollutant emissions in the exhaust during all phases of operation and controls hydrocarbon emissions during engine deceleration.

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

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

Carburetor Hot Air System . . . . . Meters and mixes heated air with incoming cold air to optimize fuel vaporization.

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

## 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
V8-307 & 350 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	20W,10W-30,10W-40,20W-40
0° F to 60° F	10W,5W-30,10W-30,10W-40
Below 20° F	5W,5W-20,5W-30

## OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs.
Oil Pressure	
L6-250 Cu.In.	40 PSI @ 2000 RPM
V8-307 & 350 Cu.In.	40 PSI @ 2000 RPM
V8-454 Cu.In.	40 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM)	
L6-250 Cu.In.	4.3 @ 2000
V8-307 & 350 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
V8-307 & 350 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

# COOLING SYSTEM

## GENERAL

Type	Liquid, pressurized
Capacity with Heater (Standard Equipment)	
L6-250 Cu.In.	14 qts.
●V8-307 Cu.In.	17 qts.
V8-350 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.	.22 Syn., .20 Auto.
V8-307 Cu.In.	.16 Syn. & Auto.
V8-350 Cu.In. (L65)	.16 Syn., .18 Auto.
V8-350 Cu.In. (L48)	.16 Syn., .18 Auto.
V8-454 Cu.In.	.20 Syn., .22 Auto.
Distance between tubes	.55
Thickness of core	
L6-250 Cu.In.	1.26
V8-307 Cu.In.	1.24
V8-350 Cu.In.	1.26
V8-454 Cu.In.	1.98
Frontal area (sq.in.)	
L6-250 & V8-307 Cu.In.	353
V8-350 & 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.
V8-307 Cu.In.	.16 Syn. & Auto.
V8-350 (L65) Cu.In.	.18 Syn. & Auto.
V8-350 (L48) Cu.In.	.18 Syn. & Auto.
V8-454 Cu.In.	.16 Syn. & Auto.
Distance between tubes	.55
Thickness of core	
L6-250 Cu.In.	1.24
V8-307 & 350 Cu.In.	1.96
V8-454 Cu.In.	1.96
Frontal area (sq.in.)	
L6-250 Cu.In.	353
V8-307 & 350 Cu.In.	480
V8-454 Cu.In.	480
Overflow	Separate coolant bottle.

## RADIATOR CAP RELIEF VALVE

Opens at . . . . . Approximately 15 PSI

## THERMOSTAT

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

## RADIATOR HOSE

Outlet, lower (radiator to water pump)	
L6-250 Cu.In.	1.75 ID
V8-307 & 350 Cu.In.	1.75 ID
V8-454 Cu.In.	1.88 ID
Inlet, upper (thermostat hsg. to radiator)	
L6-250 Cu.In.	1.50 ID
V8-307 & 350 Cu.In.	1.50 ID
V8-454 Cu.In.	1.50 ID

## FAN

Number of Blades	
All engines except V8-454 Cu.In.	4
V8-454 Cu.In. (Thermo-modulated)	7
Diameter	
L6-250 Cu.In.	17.62
V8-307 & 350 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.	37.30
V8-307 & 350 Cu.In.	47.00
V8-454 Cu.In.	49.50
Width	.380

## WATER PUMP

Type	Centrifugal
Capacity	
L6-250 Cu.In.	20.4 GPM @ 2300 engine RPM
V8-307 & 350 Cu.In.	26 GPM @ 1900 engine RPM
V8-454 Cu.In.	24.3 GPM @ 1900 engine RPM
Bearing	Permanently lubricated double row ball
Drive	Fan belt
●Ratio (Pump to Engine RPM)	
L6-250 Cu.In.	1.65:1
V8-307 & 350 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
V8-307 & 350 Cu.In.	Right and left center
V8-454 Cu.In.	Left side-rear of block
	Right side - center of block

## SUPPLY SYSTEM

### BATTERY

Voltage Rating	12
Cranking Power @ 0° F	
L6-250 Cu.In.	2300 watts
V8-307 & 350 Cu.In.	2900 watts
V8-454 Cu.In.	3750 watts
Heavy Duty (RPO T60)	3750 watts
Total Number of Plates	
L6-250 Cu.In.	54
V8-307 Cu.In.	66
V8-350 Cu.In.	66
V8-454 Cu.In.	90
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
V8-307 & 350 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
V8-307 Cu.In.	49-87
V8-350 Cu.In.	70-99
V8-454 Cu.In.	70-99
Volts	10.6
RPM	
L6-250 Cu.In.	6200-10700
V8-307 Cu.In.	6200-10700
V8-350 Cu.In.	7800-12000
V8-454 Cu.In.	7800-12000

#### Motor Drive

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

DISTRIBUTORS	Transmission	250 Cu.In.	307 Cu.In.	350 Cu.In.		454 Cu.In.
		Standard	RPO L14	RPO L65	RPO L48	RPO L54
Model	Manual	1110499	1112227	1112168	1112093	1112113
	Automatic	1110499	1112102	1112168	1112094	1112113
Type		Single Breaker				
Cam angle		31°-34°		29°-31°		28°-30°
Breaker gap				.019 (new)		
Breaker arm tension		19-23 oz.				28-32 oz.
Centrifugal advance begins @ RPM	Manual	950-1280	800-1200	675-1300	900-1300	900-1300
	Automatic	950-1280	650-1300	675-1300	650-1600	900-1300
Maximum degrees @ RPM	Manual	21-26 @ 4100	22-26 @ 4200	18-22 @ 4200	16-20 @ 4200	16-20 @ 4200
	Automatic	21-26 @ 4100	18-22 @ 4200	18-22 @ 4200	12-16 @ 4200	16-20 @ 4200
Vacuum advance begins @ In. Hg.	Manual	6.0-8.0	5.0-7.0	3.0-5.0	5.0-7.0	5.0-7.0
	Automatic	6.0-8.0	5.0-7.0	3.0-5.0	5.0-7.0	5.0-7.0
Max. deg. @ In. Hg.	Manual	22-26 @ 15	14-20 @ 12	13-16 @ 6.5	14-17 @ 13.5	19-22 @ 15
	Automatic	22-26 @ 15	14-20 @ 12	13-16 @ 6.5	14-17 @ 13.5	19-22 @ 15
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line	Manual	6°BTC @ 700	4°BTC @ 900	8°BTC @ 900	8°BTC @ 900	10°BTC @ 900
	Automatic	8°BTC @ 600	8°BTC @ 600	8°BTC @ 600	12°BTC @ 600	10°BTC @ 600
Timing mark location		Torsional damper				

# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type-Cubic Inch	L6-250	V8-307	V8-350		V8-454	
	Availability	Standard	RPO L14	RPO L65	RPO L48	RPO LS4	
Type		Single dry disc		Single dry disc, centrifugal			
Clutch	Eff. plate load, lbs.	1650-1850	1900-2100	2100-2300		2450-2750	
Cover & pressure plate	Press. plate mat.	Cast iron			Nodular Iron		
	Clutch spring type	Diaphragm			Diaphragm, bent finger design		
	Clutch spring matl.	Heat treated spring steel					
	Type	Single disc with two friction surfaces					
Driven plate	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					
	Ring gear	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 fork	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	V8-307	V8-350	V8-350	V8-454	
Application	Availability	Base	RPO L14	RPO L65	RPO L48	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			Reverse		
	Ratio	First	2.85		2.54	2.54	2.20
		Second	1.68		1.50	1.80	1.64
		Third	1.00		1.00	1.44	1.27
Fourth					1.00	1.00	
Reverse		2.95		2.63	2.54	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					



## TURBO HYDRA-MATIC TRANSMISSION

Engine	Displacement	L6-250	● V8-307 & 350	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		
		Operation	Applied by selector lever through manual linkage		
	Method of cooling	Water			
Hydraulic System	Flywheel assembly	Steel stamping with welded on ring gear			
	Oil pressure pump	Supplies hydraulic pressure from an engine driven gear type pump			
	Type	Steel spool			
	Manual	Establishes range at transmission operation			
	Pressure regulator	Controls 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 that varies with torque to transmission			
	Accumulator	To obtain greater flexibility in attaining desired shift curve for various engine requirements			
	Pressure	Drive	55		70
		L2	80		150
		L1	80		150
		Reverse	84		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		12.25	
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	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	
	Direct clutch	4 each drive & driven plates		5 each drive & driven plates	
	Intermediate clutch	2 each drive & driven plates		3 each drive & driven plates	
	Low & Reverse clutch	4 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	5		5	

(a) Floor mounted available when bucket seats are used; quadrant changes to P-R-N-3-2-1.  
 (b) Conditions: 450 RPM input at 25 inches Hg. vacuum.



# 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.** Marks, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "slush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

# EXTERIOR-INTERIOR COLOR

## EXTERIOR COLOR-VINYL ROOF COMBINATIONS

BODY LOWER		OPTIONAL VINYL ROOF COLOR						
COLOR CODE	PAINT COLOR	Black	White	Med. Green	Med. Blue	Light Neutral	Chamois	Maroon
11	White	X	X	X	X		X	X
19	Black	X	X			X	X	
24	Medium Blue Metallic	X	X		X			
26	Bright Blue Metallic	X	X					
29	Dark Blue Metallic	X	X		X			
42	Dark Bright Green Metallic	X	X					
44	Light Green Metallic	X	X	X				
46	Dark Green Gold Metallic	X	X			X		
48	Dark Green	X	X	X		X		
56	Chamois	X	X				X	
60	Yellow Orange Metallic	X	X			X		
64	Silver Taupe Metallic	X	X					X
66	Taupe Metallic	X	X			X	X	
68	Brown Metallic	X	X			X		
74	Red Metallic	X	X			X		X
81	Yellow Beige	X	X				X	

# EXTERIOR-INTERIOR COLORS

1973 CHEVELLE AND EL CAMINO 'A' INTERIOR - EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM						
		Black				Medium Blue		Lt. Neutral
		Cloth	* Vinyl /Black	* Vinyl /Red	Knit Vinyl	Cloth	Vinyl	Knit Vinyl
Deluxe - 1AC00								
Sport Sedan (29)	Bench	702			701			
Sport Coupe (37)	Bench	702			701			733
Station Wagon (35)	Bench				701			
El Camino (80)	Bench				701			733
Malibu 1AD00								
Sport Sedan (29)	Bench	703	704	704		724	705	732
Sport Coupe (37)	Bench	703	704	704		724	705	732
	Bucket		704	704			705	732
Station Wagon (35)	Bench		704				705	732
El Camino (80)	Bench		704				705	732
	Bucket		704					732
Malibu Estate 1AG00								
Station Wagon (35)	Bench		704				705	732
Laguna 1AE00			Perf. V	Perf. V			Perf. V	Perf. V
Sport Sedan (29)	Bench	712	707	707		723	719	734
Sport Coupe (37)	Bench	712	707	707		723	719	734
	Bucket		707	707			719	734
Station Wagon (35)	Bench		707				719	734
Laguna Estate 1AH00								
Station Wagon (35)	Bench		707				719	734
EXTERIOR COLORS		Color Code						
White C/O	11		X	X	X	X		X
Black C/O	19		X	X	X	X		X
Medium Blue Metallic	24		X		X	X		X
Bright Blue Metallic	26		X		X	X		X
Dark Blue Metallic	29		X		X	X		X
Dark Brt. Green Metallic	42		X		X			X
Light Green Metallic	44		X		X			X
Dark Green-Gold Metallic	46		X		X			X
Dark Green	48		X		X			X
Chamois	56		X		X			X
Yellow-Orange Metallic	60		X		X			X
Silver Taupe Metallic	64		X	X	X	X		X
Taupe Metallic	66		X		X			X
Brown Metallic	68		X		X			X
Red Metallic	74		X	X	X			X
Yellow-Beige	81		X		X			X
TWO TONE**		Color Code						
Lower	Upper	Color Code						
Med. Blue Met.	White	24-11	X		X	X		X
Dk. Blue Met.	White	29-11	X		X	X		X
Lt. Green Met.	White	44-11	X		X			X
Dk. Green-Gold Met.	White	46-11	X		X			X
Dark Green	White	48-11	X		X			X
Chamois	White	56-11	X		X			X

\* Accent carpet color. Obtained by specifying trim number plus Accent Carpet RPO number 19F - Black, or 75F - Red.

\*\* Two tone paint not available for Station Wagon models.

NOTE: Solid exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified.

# EXTERIOR-INTERIOR COLORS

## 1973 CHEVELLE AND EL CAMINO 'A' INTERIOR - EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM										
		Dark Green			Dark Saddle		Dark Oxblood		Med. Chamois			
		Cloth	Vinyl	Knit Vinyl	Vinyl	Knit Vinyl	Cloth	Vinyl	Cloth	Vinyl		
Deluxe - 1AC00												
Sport Sedan (29)	Bench	711		710								
Sport Coupe (37)	Bench	711		710								
Station Wagon (35)	Bench					722						
El Camino (80)	Bench *											
Malibu 1AD00												
Sport Sedan (29)	Bench	730	713							721		
Sport Coupe (37)	Bench	730	713		720				716	721		
	Bucket				720					721		
Station Wagon (35)	Bench		713		720							
El Camino (80)	Bench		713		720							
	Bucket				720							
Malibu Estate 1AG00												
Station Wagon (35)	Bench		713		720							
Laguna 1AE00												
Sport Sedan (29)	Bench	726	Perf. V 727		Perf. V			714	709			
Sport Coupe (37)	Bench	726	727		717			714	709			
	Bucket				717							
Station Wagon (35)	Bench		727						709			
Laguna Estate 1AH00												
Station Wagon (35)	Bench		727						709			
EXTERIOR COLORS		Color Code										
White C/O		11	X		X		X		X			
Black C/O		19	X		X		X		X			
Medium Blue Metallic		24										
Bright Blue Metallic		26										
Dark Blue Metallic		29										
Dark Brt. Green Metallic		42	X									
Light Green Metallic		44	X									
Dark Green-Gold Metallic		46	X									
Dark Green		48	X		X					X		
Chamois		56	X		X					X		
Yellow-Orange Metallic		60			X							
Silver Taupe Metallic		64	X		X		X			X		
Taupe Metallic		66			X					X		
Brown Metallic		68			X							
Red Metallic		74						X				
Yellow-Beige		81	X		X					X		
TWO TONE**		Color Code										
Lower	Upper	Color Code										
Med. Blue Met.	White	24-11										
Dk. Blue Met.	White	29-11										
Lt. Green Met.	White	44-11	X									
Dk. Green-Gold Met.	White	46-11	X									
Dark Green	White	48-11	X		X					X		
Chamois	White	56-11	X		X					X		

\* Accent carpet color. Obtained by specifying trim number plus Accent Carpet RPO number  
19F - Black, or 75F - Red.

\*\* Two tone paint not available for Station Wagon models.

NOTE: Solid exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified.



# 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.

## LIFTGATE

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

## SEAT CONSTRUCTION

Type  
 Front seat cushion . . . . . 2.00 polyfoam  
 Rear seat cushion . . . . . 1.00 polyfoam  
 3rd seat cushion (optional) . . . . . 0.75 polyfoam

## WINDSHIELD WIPERS

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

## SPARE TIRE MOUNT

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.

## HEADLAMPS

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

## BODY GLASS VISIBILITY AREA

	MODELS			
	29	37	35	80
Windshield	1332.6	1276.6	1332.6	1332.6
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	1243.8	--
Back Window	1262.9	1307.2	926.1	573.2
Total Area (Sq. In.)	4723.4	4419.8	5433.0	3157.8



# CHASSIS

FRAME AND FRONT SUSPENSION .....	2-3
STEERING, DRIVELINE, WHEELS AND TIRES .....	4
REAR AXLE AND SUSPENSION .....	5-6
BRAKES .....	7
BULBS AND LAMPS .....	8
FUSES AND CIRCUIT BREAKERS .....	9



# 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
3988125	BT	146.63	.716	9.82	400	17.10	11.0 @ 2430
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
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

# 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, 3.42	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

8.125 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	.97:1

## SHOCK ABSORBERS

Type	Direct, double-acting, hydraulic, air booster type for Sedan Pickup.
Piston diameter	1.00

# STEERING, DRIVELINE, WHEELS AND TIRES

## STEERING

Wheel	
Type	Oval with center shroud
Diameter	15.25 x 14.75
Optional	Tilt; universally jointed steering shaft at base of steering wheel
Column	Energy absorbing – mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions.
Gear – Manual (standard); Power (optional)	
Type	
Manual	Recirculating ball nut
Power	Integral, recirculating ball nut with hydraulic pressure provided from a vane type pump.
Ratios	
Gear	
Manual	28.0:1
Power	16.0:1 on center to 13.0:1
Overall	
Manual	31.4:1
Power (exc. Sta. Wag.)	17.9:1 on center to 14.0:1
Power (Sta. Wag.)	21.9 on center to 15.5
Number of wheel turns, lock to lock	
Manual	6.64
Power (except Sta. Wag.)	3.17
Power (Sta. Wag.)	3.39
Linkage	Parallelogram, front of wheels. 2 tie rods.
Turning Diameters	
Outside front, wall to wall	42.8
Outside front, curb to curb	39.6
Outside wheel angle with inside wheel @ 20°	18.6
● Linkage	Parallelogram, front of wheels; hydraulic damper used on relay rod

## 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	
Except SS models	14 x 6
SS models	14 x 7
Offset	
14 x 6	.050
14 x 7	.034
Attachment to Hub	
Type	5 hex nuts
Thread size	7/16-20 UNF 2-B
Bolt circle diameter	4.75

## TIRES

Construction	Bias belted
Size (Sedans & Coupes)	
E78 x 14B (L6 Eng. Coupe & Sedan)	
Static loaded radius	12.0
Loaded rev/mi @ 45 mph	796
Capacity @ 24 psi	1190
G78 x 14B (V8 Eng. Coupe, Sedan & Pickup)	
Static loaded radius	12.4
Loaded rev/mi @ 45 mph	768
Capacity @ 24 psi	1380
G70 x 14B (Optional Coupes, Sedan & Pickups; base with 'SS' models)	
Static loaded radius	12.3
Loaded rev/mi @ 45 mph	777
Capacity @ 24 psi	1380
H78 x 14B (Station Wagons)	
Static loaded radius	12.7
Loaded rev/mi @ 45 mph	743
Capacity @ 24 psi	1510



# 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.)
485687	TG	103.5	.622	5.82	175	14.57	10 @ 800
485688	TH	106.1	.627	5.93	175	14.86	10 @ 850
485689	WL	106.1	.627	5.93	175	15.14	10 @ 900
485703	SB	98.7	.549	5.64	115	15.22	10 @ 600
485706	SC	97.1	.558	5.56	125	14.80	10 @ 600
485720	TE	105.8	.540	6.33	115	16.09	10 @ 700
485721	TF	110.8	.548	6.59	115	16.52	10 @ 750
485722	ZX	115.3	.555	6.82	115	16.96	10 @ 800
485729	TN	107.6	.555	6.42	125	16.00	10 @ 750
485736	TA	99.8	.558	6.01	140	15.00	10 @ 700
485737	ZZ	107.8	.572	6.41	140	15.36	10 @ 750
485738	WV	107.8	.572	6.41	140	15.71	10 @ 800
487390	WW	94.7	.570	5.43	140	14.29	10 @ 600
490497	TR	94.7	.570	5.60	140	13.93	10 @ 550

# 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 1.93 x 0.46	
		Outboard	5.40 x 1.93 x 0.46	
	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	7.60 x 2.0 x 0.23	8.88 x 2.0 x 0.25
		Secondary	9.87 x 2.0 x 0.30	11.53 x 2.0 x 0.29
	Lining area (sq. in.)	69.88	81.64	
	Effective area (sq. in.)	66.58	73.96	
	Swept area (sq. in.)	119.40	138.20	
Piston diameter	.875	.938		
Apply System	Master cylinder diameter	Manual 1.00; Power 1.125	1.125	
	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
Automatic transmission position pattern	Floor console, 1-1895	2
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	1-1895	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 series)		
Park	2-1157	3
Turn		32
Parking (Laguna series)		
Park	2-1157	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 25 amp fuse	In line Fuse panel (g)
Auto. trans. quadrant lamp	4 amp fuse	Fuse panel (c)
Back-up lamps	20 amp fuse	Fuse panel (d)
Cigarette lighter	25 amp fuse	Fuse panel (b)
Clock	25 amp fuse	Fuse panel (b)
Clock lamp (with tachometer option)	4 amp fuse	Fuse panel (c)
Courtesy lamps	25 amp fuse	Fuse panel (b)
Defogging unit	20 amp fuse	Fuse panel (d)
Direction signal indicator lamps	20 amp fuse	Fuse panel (d)
Direction signal indicator	20 amp fuse	Fuse panel (d)
Dome lamp	25 amp fuse	Fuse panel (b)
Fuel gage	10 amp fuse	Fuse panel (d)
Generator indicator lamp	10 amp fuse	Fuse panel (d)
Glove compartment lamp	25 amp fuse	Fuse panel (b)
Headlamps	Circuit breaker	Light switch
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	25 amp fuse	Fuse panel (g)
Heater controls lamp	4 amp fuse	Fuse panel (c)
Instrument cluster lamps	4 amp fuse	Fuse panel (c)
License plate lamp, rear	20 amp fuse	Fuse panel (b)
Luggage compartment lamp	20 amp fuse	Fuse panel (b)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (d)
Brake indicator lamp	10 amp fuse	Fuse panel (d)
Parking lamps	20 amp fuse	Fuse panel
Power seats	30 amp CB	Firewall
Power windows	30 amp CB	Firewall
Radio	10 amp fuse	Fuse panel (e)
Radio lamp	4 amp fuse	Fuse panel (c)
Reversing relay switch	20 amp fuse	Fuse panel (d)
Seat belt warning lamp	10 amp fuse	Fuse panel
Side Marker lamp - Front	20 amp fuse	Fuse panel
Side Marker lamp - Rear	20 amp fuse	Fuse panel
Speed cruise control	20 amp fuse	Fuse panel (d)
Tachometer	10 amp fuse	Fuse panel (d)
Tail, stop and turn lamps	20 amp fuse	Fuse panel (b)
Temperature indicator lamp	10 amp fuse	Fuse panel (a)
Traffic hazard indicator	10 amp fuse	Fuse panel (b)
Trans. position lamp - console	4 amp fuse	Fuse panel (c)
Underhood lamp	15 amp fuse	In line
Windshield washer light switch	4 amp fuse	Fuse panel (c)
Windshield wiper, two-speed	25 amp fuse	Fuse panel (f)

\* Letter suffix indicates same circuit

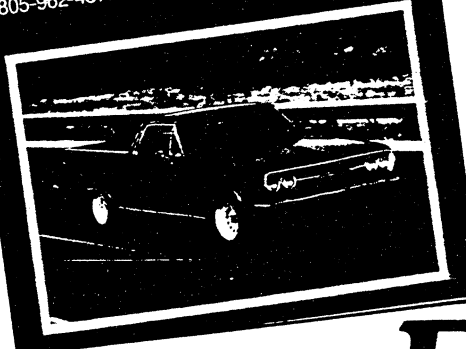
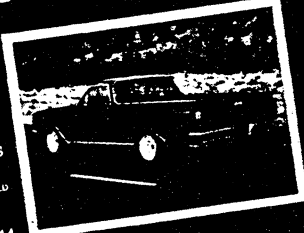


**THE EL CAMINO STORE**

59-60  
64-72

EL CAMINO PARTS

NEW & USED • REPRODUCED  
QUALITY GUARANTEED  
PARTS •  
HUGE SELECTION  
805-962-4514



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

**O**ver the years, whenever readers called us seeking parts or restoration help for their Chevy pickups, we referred them directly to Seth Douulton'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,

# The El Camino Store

Photos by Doug Marion

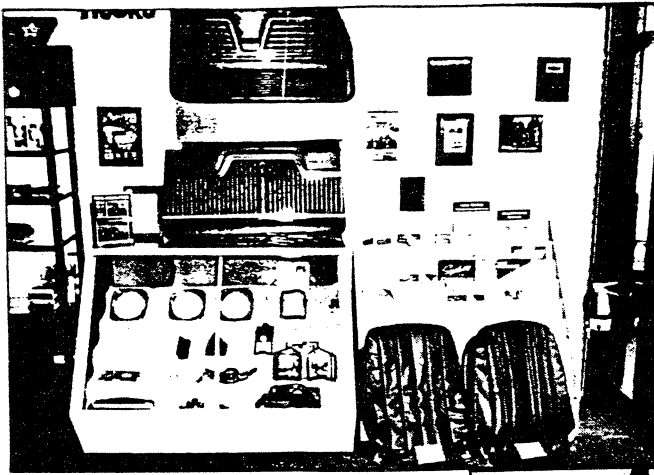
though *Hemming's Motor News* usually lists several other truck parts firms of national repute.

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.

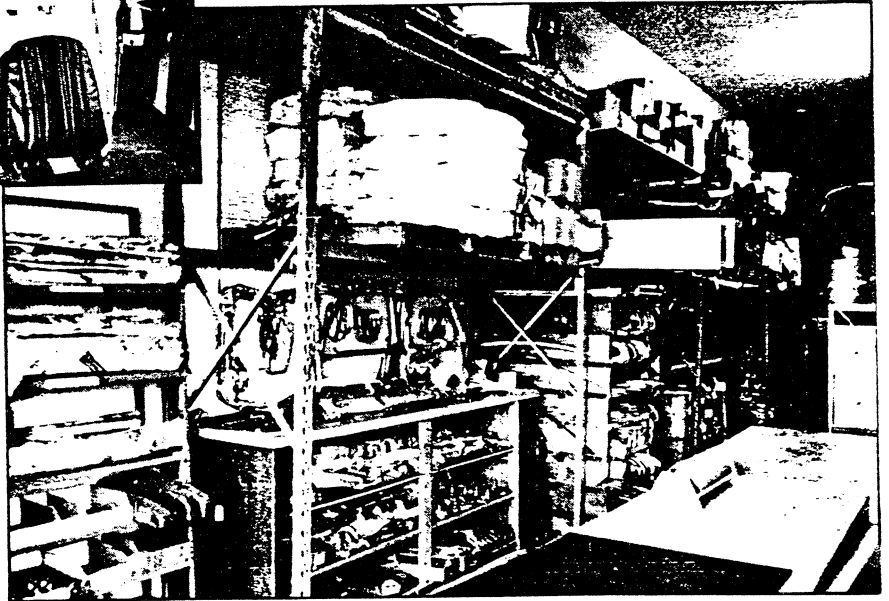
Need rechromed trim and moldings for your 1947-1972 Chevy or GMC pickup or 1959-1972 El Camino?

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. •

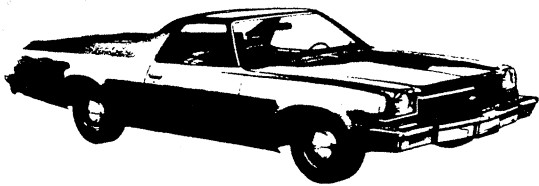
**THE EL CAMINO STORE**  
 618 E. Gutierrez St.  
 Santa Barbara, CA 93103  
 (805) 962-4514



Here's a before-and-after pickup heater system. Both firms sponsor "Chevy Madness Day," a huge event held in November at Magic Mountain, north of Los Angeles.



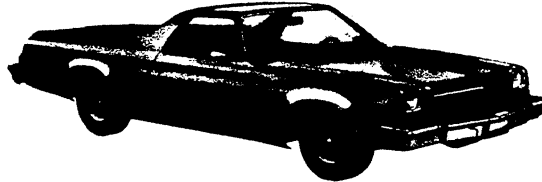
Here are the guys and gals at The El Camino Store /Golden State Pickup Parts. Guy at top-rear is Seth Doulton.



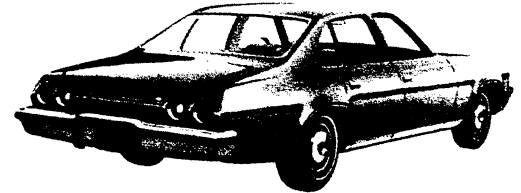
Standard El Camino Model



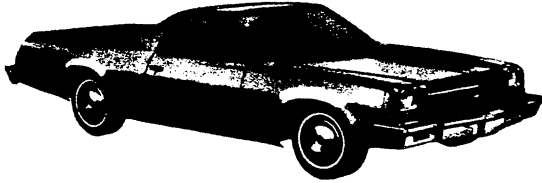
Laguna Colonnade Hardtop Coupe



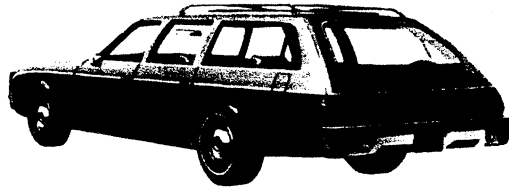
Custom El Camino with SS option



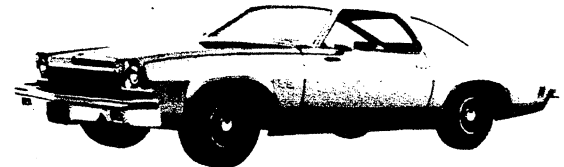
Laguna Colonnade Hardtop Sedan



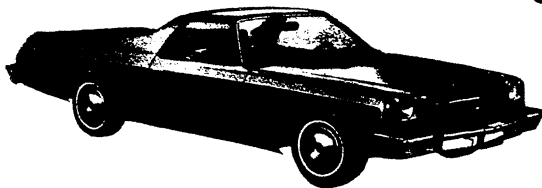
Custom El Camino Model



Laguna Estate Wagon



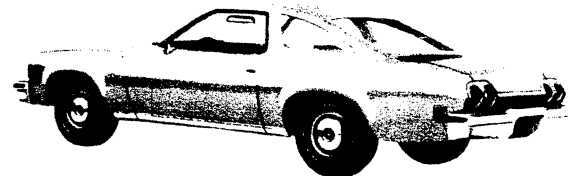
Malibu SS Colonnade Hardtop Coupe



Custom El Camino with Estate Option



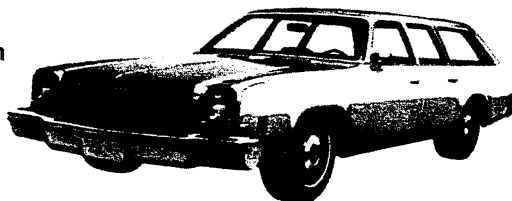
Chevelle Laguna Wagon



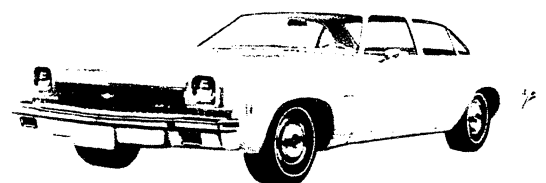
Malibu Colonnade Hardtop Coupe



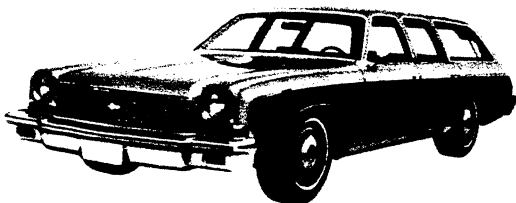
Chevelle Malibu Wagon with SS Option



Chevelle Deluxe Wagon



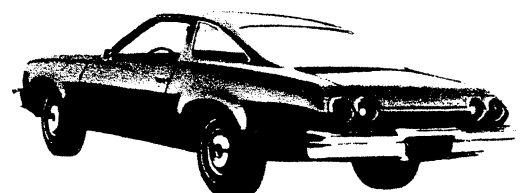
Malibu Colonnade Hardtop Sedan



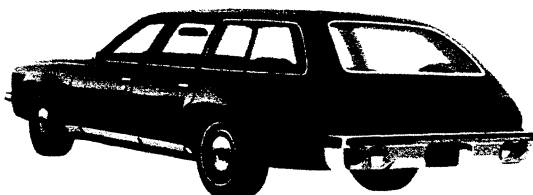
Chevelle Malibu Estate Wagon



Deluxe Colonnade Hardtop Sedan



Deluxe Colonnade Hardtop Coupe



Chevelle Malibu Wagon





C60 ..... 4-Season Air Condition ..... 572,288 ..... 726,428	UM1 ..... Stereo Tape with AM Radio 55,520 ..... 676,106
D33 ..... Remote Control Rear Mirror 189,610 ..... 742,409	UM2 ..... Stereo Tape with Stereo Radio 22,193 ..... 677,422
D34 ..... Vanity Visor Mirror ..... 34,085 ..... 634,639	U14 ..... Special Instrumentation ... 51,564 ..... 574,006
D35 ..... Sport Mirrors ..... 102,178 ..... 634,639	U35 ..... Electric Clock ..... 61,037 ..... 451,716
D55 ..... Floor Console ..... 116,531 ..... 574,006	U58 ..... AM-FM Stereo Radio ..... 48,035 ..... 677,422
F40 ..... Special Suspension ..... 56,352 ..... 683,301	U63 ..... AM Pushbutton Radio ... 456,294 ..... 742,409
G80 ..... Positraction Rear Axle ..... 47,055 ..... 742,409	U69 ..... AM-FM Radio ..... 111,539 ..... 742,409
J50 ..... Power Brakes ..... 348,034 ..... 392,608	U76 ..... Windshield Antenna ..... 540 ..... 718,372
K30 ..... Speed and Cruise Control 31,455 ..... 290,693	U80 ..... Rear Seat Speaker ..... 173,598 ..... 677,422
K76 ..... 61-Amp Delcotron Generator 22,906 ..... 739,252	VE5 ..... Deluxe Bumpers ..... 71,397 ..... 672,384
K85 ..... 63-Amp Delcotron Generator 882 ..... 737,384	V01 ..... Heavy Duty Radiator ..... 89,399 ..... 742,409
LS4 ..... 454-245 Horsepower ..... 22,528 ..... 723,271	V30 ..... Bumper Guards ..... 190,693 ..... 672,384
L48 ..... 350-175 Horsepower ..... 199,984 ..... 723,271	V55 ..... Roof Carrier ..... 34,309 ..... 59,108
L65 ..... 350-145 Horsepower ..... 446,860 ..... 726,428	YA2 ..... El Camino Estate ..... 6,723 ..... 59,700
M20 ..... Wide-Ratio 4-Speed ..... 3,879 ..... 288,600	YA7 ..... California Emission Test.. 71,346 ..... 742,409
M21 ..... Close-Ratio 4-Speed ..... 1,685 ..... 288,600	YD1 ..... Trailering Axle Ratio ..... 6,276 ..... 723,271
M38 ..... Turbo Hydra-matic 350 .. 704,574 ..... 742,409	YJ9 ..... Exterior Decor Package 125,067 ..... 550,028
M40 ..... Turbo Hydra-matic 400 .... 20,843 ..... 723,271	ZJ7 ..... Rally Wheels ..... 85,859 ..... 290,693
N33 ..... Tilt Steering Wheel ..... 154,750 ..... 742,409	ZJ9 ..... Auxiliary Lighting ..... 103,859 ..... 742,409
N40 ..... Power Steering ..... 435,394 ..... 451,716	Z09 ..... Performance Axle Ratio .... 6,898 ..... 723,271
N95 ..... Wire Wheel Covers ..... 31,757 ..... 741,093	Z15 ..... SS Equipment ..... 28,647 ..... 249,880
PA3 ..... Deluxe Wheel Covers ..... 29,713 ..... 290,693	701 ..... Black Vinyl ..... 17,336 ..... 58,349
PE1 ..... Turbine 1 Wheels ..... 22,620 ..... 451,716	704 ..... Black Vinyl ..... 67,882 ..... 323,342
PE2 ..... Turbine 2 Wheels ..... 3,034 ..... 182,923	705 ..... Medium Blue Vinyl ..... 33,795 ..... 323,342
P01 ..... Full Wheel Covers ..... 243,631 ..... 437,727	707 ..... Black Vinyl ..... 10,502 ..... 333,667
QEH ..... E78x14 White Stripe ..... 7,769 ..... 17,268	708 ..... Black Vinyl ..... 37,809 ..... 290,693
QGF ..... G70x14 White Letter Tires 26,934 ..... 375,340	709 ..... Dark Red Vinyl ..... 6,331 ..... 70,025
QGL ..... G78x14 White Stripe Tires 258,608 ..... 392,608	710 ..... Dark Green Vinyl ..... 5,633 ..... 42,122
QGT ..... G78x15 White Stripe ..... 3,805 ..... 4,960	712 ..... Black Cloth ..... 4,305 ..... 285,499
QHF ..... H78x14 White Stripe ..... 56,771 ..... 434,448	713 ..... Dark Green Vinyl ..... 31,253 ..... 323,342
QRM ..... GR70x15 Steel Belted Radial 271,254 ..... 290,693	714 ..... Dark Red Cloth ..... 3,694 ..... 56,036
T60 ..... Heavy Duty Battery ..... 70,120 ..... 742,409	717 ..... Dark Saddle Vinyl ..... 5,264 ..... 211,725
	719 ..... Medium Blue Vinyl ..... 5,951 ..... 321,505
	720 ..... Dark Saddle Vinyl ..... 36,217 ..... 262,663

(continued on page 30)

# 1973 Chevelle Production Statistics

Body Style	Model Number	Six Cylinder	Eight Cylinder	Grand Total
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Series Name: Custom El Camino

2-dr Pickup Delivery .....	1AD80 .....	0 .....	59,700 .....	59,700
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<b>Chevelle Totals:</b>		<b>19,138</b>	<b>432,578</b>	<b>451,716</b>
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Series Name: Monte Carlo

2-dr Landau Coupe ..	1AH57 .....	0 .....	107,770 .....	107,770
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2-dr S Coupe .....	1AH57 .....	0 .....	177,963 .....	177,963
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2-dr Coupe .....	1AH57 .....	0 .....	4,960 .....	4,960
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<b>Monte Carlo Totals:</b>		<b>0</b>	<b>290,693</b>	<b>290,693</b>
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<b>Final A-Body Totals:</b>		<b>19,138</b>	<b>723,271</b>	<b>742,409</b>
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## REGULAR PRODUCTION OPTIONS

RPO	Description	Total Options	Models Possible
AK1	Custom Seat Belts .....	184,333 .....	742,409
AN7	Strato-Bucket Seats .....	127,157 .....	562,118
AU3	Power Door Locks .....	43,715 .....	742,409
AU6	Power Tailgate Release ...	14,587 .....	41,823
A01	Tinted Glass .....	604,433 .....	742,409
A02	Tinted Windshield .....	19,387 .....	736,087
A20	Swing-Out Rear Windows ..	4,336 .....	41,823
A31	Power Windows .....	77,058 .....	684,060
A42	Power Seat, 6-Way .....	15,325 .....	624,360
B37	Color Keyed Floor Mats ..	249,064 .....	742,409
B80	Roof Drip Moulding .....	7,432 .....	380,375
B84	Body Side Moulding .....	344,787 .....	725,413
B93	Door Edge Guards .....	258,317 .....	725,413
B96	Wheel Opening Moulding ...	2,717 .....	364,942
CA1	Sky Roof .....	9,055 .....	517,463
C08	Vinyl Roof Cover .....	286,791 .....	683,301
C50	Rear Window Defogger ...	98,607 .....	677,422
C51	Rear Glass Air Deflector ..	12,765 .....	59,108

Series Name: Deluxe

4-dr Colonnade Hardtop Sedan .....	1AC29 .....	5,253 .....	15,502 .....	20,755
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2-dr Colonnade Hardtop Coupe .....	1AC37 .....	6,322 .....	15,045 .....	21,367
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4-dr Station Wagon (2-seat) .....	1AC35 .....	1,870 .....	7,754 .....	9,624
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4-dr Station Wagon (3-seat) .....	1AC35 .....	0 .....	1,316 .....	1,316
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Series Name: Malibu

4-dr Colonnade Hardtop Sedan .....	1AD29 .....	2,536 .....	58,143 .....	60,679
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2-dr Colonnade Hardtop Coupe .....	1AD37 .....	3,157 .....	165,627 .....	168,784
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4-dr Station Wagon (2-seat) .....	1AD35 .....	0 .....	18,592 .....	18,592
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4-dr Station Wagon (3-seat) .....	1AD35 .....	0 .....	5,961 .....	5,961
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Series Name: Malibu Estate

4-dr Station Wagon (2-seat) .....	1AG35 .....	0 .....	5,527 .....	5,527
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4-dr Station Wagon (3-seat) .....	1AG35 .....	0 .....	4,099 .....	4,099
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Series Name: Laguna

4-dr Colonnade Hardtop Sedan .....	1AE29 .....	0 .....	13,095 .....	13,095
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2-dr Colonnade Hardtop Coupe .....	1AE37 .....	0 .....	42,941 .....	42,941
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4-dr Station Wagon (2-seat) .....	1AE35 .....	0 .....	4,419 .....	4,419
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4-dr Station Wagon (3-seat) .....	1AE35 .....	0 .....	2,200 .....	2,200
-----------------------------------	-------------	---------	-------------	-------

Series Name: Laguna Estate

4-dr Station Wagon (2-seat) .....	1AH35 .....	0 .....	3,661 .....	3,661
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4-dr Station Wagon (3-seat) .....	1AH35 .....	0 .....	3,709 .....	3,709
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Series Name: El Camino

2-dr Pickup Delivery .....	1AC80 .....	0 .....	5,287 .....	5,287
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# 1973 AMA SPECIFICATIONS FORM ... Passenger Car

<b>MANUFACTURER</b>  Chevrolet Motor Division General Motors Corporation	<b>CAR NAME</b>  <div style="text-align: center;">CHEVELLE</div>	
<b>MAILING ADDRESS</b>  Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<b>MODEL YEAR</b>  <div style="text-align: center;">1973</div>	<b>ISSUED.</b> September, 1972 <hr/> <b>REVISED (●)</b>

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

# AMA 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.

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

BODY MODEL	Body Series, Type and Number. (Use mfg's. code for identification)	Number of Passengers (Indicate Front/Rear)	
		Model Number	Front      Rear
<u>DELUXE</u>			
2-Door Colonnade Hardtop Coupe		1AC37	3      3
4-Door Colonnade Hardtop Sedan		1AC29	3      3
<u>MALIBU</u>			
2-Door Colonnade Hardtop Coupe		1AD37	3      3
4-Door Colonnade Hardtop Sedan		1AD29	3      3
<u>STATION WAGONS</u>			
Deluxe, 4-Door, 2-Seat		1AC35	3      3
Malibu, 4-Door, 2-Seat		1AD35	3      3
Malibu Estate, 4-Door, 2-Seat		1AG35	3      3
Laguna, 4-Door, 2-Seat		1AE35	3      3
Laguna Estate, 4-Door, 2-Seat		1AH35	3      3
<u>EL CAMINO</u>			
Standard 2-Door Sedan Pickup		1AC80	3      -
Custom 2-Door Sedan Pickup		1AD80	3      -
<u>LAGUNA</u>			
2-Door Colonnade Hardtop Coupe		1AE37	3      3
4-Door Colonnade Hardtop Sedan		1AE29	3      3

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

## CAR AND BODY DIMENSIONS

See Pages 27, 28 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.

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

Track - Front	W101		61.5		
Track - 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	136.8	166.4	136.8	166.4
Max. rear doors open	W121	134.7	--	134.7	--

### LENGTH

Body "O" to front of dash	L 30		-0.5		0.0
Wheelbase	L101	116.0	112.0		116.0
Overall car length (a)	L103	206.9	202.9		213.3
Overhang - front (b)	L104		40.1		
Overhang - rear (c)	L105		50.8		57.2
Body upper structure length	L123	102.0	102.7	133.4	59.2
Body "O" line to $\text{\textcircled{C}}$ of rear wheel	L127	97.5	93.5		97.5
Body "O" line to w/s cowl point	L130		8.8		10.4

### HEIGHT

Passenger Distribution (front & rear)			2-3		2-Front
Trunk/Carao load (lbs.)					
Overall height	H101	53.8	53.1	55.7	53.8
Cowl height	H114		38.8	39.7	39.4
Deck height	H138	36.5	36.4	--	--
Rocker panel - front	H112	To ground		9.7	9.4
		From front wheel $\text{\textcircled{C}}$			
Bottom of front door to ground	H133	9.4	9.2	10.5	9.8
Rocker panel - rear	H111	To ground		9.4	8.7
		From rear wheel $\text{\textcircled{C}}$			
Bottom of rear door to ground	H135		9.2	10.4	--
Windshield slope angle	H122		56.5°		53.0°

### GROUND CLEARANCE

Bumper to ground - front	H102	12.3	12.4	12.8	12.9
Bumper to ground - rear	H104	12.1	11.9	12.7	11.6
Angle of approach	H106	17° 4'	17° 5'	18° 2'	18° 30'
Angle of departure	H107	12° 33'	12° 15'	13° 30'	12° 23'
Ramp breakover angle	H147	10° 30'	10° 52'	12° 30'	11° 38'
Rear axle differential to ground	H153		7.0	7.3	7.1
Min. running clearance (Specify)	H156		5.1(d)	5.8(e)	5.5(d)

Laguna Models with Impact Strips: Sedan, Coupe, Station Wagon, and Pickup

- (a) L103- 207.9
- (b) L104- 39.0
- (c) L105- 51.0
- (d) Muffler to ground
- (e) Front suspension to ground

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED \_\_\_\_\_ REVISED (\*) \_\_\_\_\_

**CAR AND BODY DIMENSIONS**

See Pages 27, 29 for SAE Dimension Definitions

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Coupe	Station Wagon	Sedan Pickup
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**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	42.2			
H Point to Heel point	H30	8.7			
H Point travel	L17	5.2			
Shoulder room	W 3	59.6		59.8	59.6
Hip room	W 5	56.0		55.6	56.0
Upper body opening to ground	H50	44.0	43.3	44.0	43.3

**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	38.4	33.7	36.7	--
H Point to Heel point	H31	11.0	10.1	11.3	--
Min. knee room	L48	4.5	2.0	3.0	--
Rear Compartment room	L 3	27.8	25.3	25.2	--
Shoulder room	W 4	58.9	57.5	58.9	--
Hip room	W 6	57.9	52.9	56.6	--
Upper body opening to ground	H51	43.6	--	43.6	--

**LUGGAGE COMPARTMENT**

Usable luggage capacity (cu. ft.)	V 1	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	--	43.3	--
Hip room	W86	--	36.7	--
Effective leg room	L86	--	30.9	--
Effective head room	H86	--	35.8	--
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, attached inside station wagon panel at the upper, outboard area.

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

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

**COUPE & SEDAN MODELS POWER TEAMS**

(Indicate whether standard or optional)

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

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A/C ratio)#		
	Displ. cu. in.	Cerb.	Compr. Ratio	Net @ RPM			A	B	C
				HP	Torque				
Deluxe and Malibu Models Only	Turbo Thrift 250 L61 (base)	One; 1-bbl	8.25:1	100 @ 3600	175 @ 4600	3-Spd. Manual (2.85:1 low) 3-Spd. Automatic	3.08	--	--
	Turbo Fire 307 V8 (L14)	One; 2-bbl	8.5:1	115 @ 3600	205 @ 2000	3-Spd. Manual (2.85:1 low)	3.08	--	--
ALL MODELS	Turbo Fire 350 V8 (L65)(a)	One; 2-bbl	8.5:1	145 @ 4000	255 @ 2400	3-Spd. Manual (2.54:1 low) 3-Spd. Automatic	3.08 2.73	-- 3.08	-- 3.42
	Turbo Fire 350 V8 (L48)*	One; 4-bbl	8.5:1	175 @ 4000	260 @ 2800	4-Spd. Manual (b) (2.54:1 low) 3-Spd. Automatic	3.42 2.73	--	-- 3.42
	Turbo Jet 454 V8 (L51)*	One; 4-bbl	8.25:1	245 @ 4000	375 @ 2800	4-Spd. Manual (b) (2.20:1 low) 3-Spd. Automatic	3.42 2.73	--	-- 3.42

\* - Optional  
 \*\* - Positraction available optionally for all ratios  
 # - Same ratios available for A, C (V-8 engines only)  
 (a) - Base engine on Laguna series - optional all other models  
 (b) - Available with coupe models only  
 A-Standard  
 B-Performance option  
 C-Trailer option



MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

STATION WAGON & PICKUPS **POWER TEAMS**

(Indicate whether standard or optional)

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

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A/C ratio)#		
	Displ. cu. in.	Carb.	Comp. Ratio	Net @ RPM			A	B	C
				BHP	Torque				
Deluxe Wagon Only	Turbo Thrift 250 L6 (base)	One; 1-bbl	8.25:1	100 @ 3600	175 @ 1600	3-Spd. Manual (2.85:1 low) 3-Spd. Automatic	3.42	--	--
ALL MODELS	Turbo Fire 307 V8 (base)	One; 2-bbl	8.5:1	115 @ 3600	205 @ 2000	3-Spd. Manual (2.85:1 low)	3.42	--	--
Pickup Only						3-Spd. Manual (2.54:1 low)	3.08	--	--
Station Wagons	Turbo Fire 307 V8 (base)	One; 3-bbl	8.5:1	145 @ 2400	255 @ 2400	3-Spd. Manual (2.54:1 low) 3-Spd. Automatic	3.42	--	3.42
Pickup only	(a)					3-Spd. Automatic	2.73	3.08	3.42
Station Wagons						3-Spd. Automatic	2.73	--	3.42
Pickup Only	Turbo Fire 350 V8 (base)	One; 4-bbl	8.5:1	175 @ 4000	260 @ 2800	4-Spd. Manual (2.54:1 low) 3-Spd. Automatic	3.42	--	3.42
All Models	(b)*					3-Spd. Automatic	2.73	--	3.42
Pickup Only	Turbo Jet 311 V6 (base)	One; 4-bbl	8.25:1	145 @ 4000	175 @ 2600	4-Spd. Manual (2.20:1 low) 3-Spd. Automatic	3.42	--	--
All Models	(b)*					3-Spd. Automatic	2.73	--	3.42

\* - Optional  
 \*\* - Positraction available optionally for all ratios.  
 # - Same ratios available for A/C (V-8 models only)  
 (a) - Base engine with Malibu; Malibu Estate & Pickup; Optional with Deluxe  
 (b) - Base engine with Laguna; optional other models.  
 A - Standard  
 B - Performance option  
 C - Trailer option.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL	Turbo-Thrift 250 Standard	Turbo-Fire 307 RPO L14	Turbo-Fire 350 RPO L65
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## ENGINE - GENERAL

Type, no. cyls., valve arr.	In-line 6 OHV	90° V-8 OHV	
Bore and stroke (nominal)	3.875x3.53	3.875x3.25	4.00x3.48
Piston displacement, cu. in.	250	307	350
Bore spacing (C to C)	4.40		
No. system	L. Bank	1-3-5-7	
(front to rear)	R. Bank	2-4-6-8	
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Cylinder Head Material	Cast iron alloy		
Cylinder Block Material	Cast iron alloy		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	4°46'		
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$ 36.0	48.0	51.2
Recommended fuel regular - premium	Regular (unleaded or low lead)		
Cylinder Head Volume (cc)	72.75	74.56	75.47
Head Gasket Thickness (Compressed)	.032	.021	.021
Head Gasket Volume (cc)	6.86	4.32	4.58
Deck Clearance (nominal) (above or below block)	.008 (below)	.025 (below)	.025 (below)
Minimum Combustion Chamber Volume (cc)	71.71	74.47	74.47

## ENGINE - PISTONS

Material	Cast aluminum alloy		
Description and finish	Sump head; Slipper skirt	Flat head, notched; Slipper skirt	Sump head Slipper skirt
Weight (piston only) oz.	28.80	22.00	21.17
Clearance (limits)	Top land	.0245-.0335	.0235-.0325
	Skirt	Top .0005-.0015 (a)	Bottom .0005-.0015 (b)
Ring groove diameter	No. 1 ring	3.434-3.444	3.442-3.452
	No. 2 ring	3.434-3.444	3.442-3.452
	No. 3 ring	3.446-3.456	3.454-3.464
	No. 4 ring	---	---

(a) Measured 2.44 from top of piston

(b) Measured 1.675 from top of piston

(c) Measured 1.56 from top of piston

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (•)

MODEL	Turbo-Fire 350 RPO L48	Turbo-Jet 454 RPO LS4
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## ENGINE – GENERAL

Type, no. cyis., valve arr.	90° V-8 OHV	
Bore and stroke (nominal)	4.00x3.48	4.251x4.00
Piston displacement, cu. in.	350	454
Bore spacing (€ to €)	4.40	4.84
No. system	1-3-5-7	
(front to rear)	2-4-6-8	
Firing Order	1-8-4-3-6-5-7-2	
Cylinder Head Material	Cast iron alloy	
Cylinder Block Material	Cast iron alloy	
Cyl. Sleeve-Wet, dry, none	None	
Number of	Two	
mtg. points	One	
Engine installation angle	4°46'	
Taxable horsepower	51.2	57.8
Di <sup>2</sup> xNo. Cyl.		
2.5		
Recommended fuel regular – premium	Regular (unleaded or low lead)	
Cylinder Head Volume (cc)	75.47	113.06
Head Gasket Thickness (Compressed)	.021	.028
Head Gasket Volume (cc)	4.58	7.10
Deck Clearance (minimum) (above or below block)	.025 (below)	.020 (below)
Minimum Combustion Chamber Volume (cc)	74.47	112.06

## ENGINE – PISTONS

Cast aluminum alloy

Material	Cast aluminum alloy		
Description and finish	Sump head; Slipper skirt	Flat head; Valve cutout	
Weight (piston only) oz.	21.17	26.40	
Clearance (limits)	Top land	.0235-.0325	
	Skirt	Top	.0007-.0017 (a)
		Bottom	.0024-.0034 (b)
Ring groove diameter	No. 1 ring	3.546-3.556	
	No. 2 ring	3.546-3.556	
	No. 3 ring	3.582-3.592	
	No. 4 ring	3.803-3.813	

(a) Measured 1.56 from top of piston.

(b) Measured 1.64 from top of piston.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL	L6-250 Standard	V8-307 L14	V8-350 L65	L48	V8-454 LS4
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### ENGINE - RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression			
	No. 2, oil or comp.	Compression			
	No. 3, oil or comp.	Oil			
	No. 4, oil or comp.	--			
Compression	Description - Upper material, coating, etc.	Cast iron alloy, barrel face (a)			
	Lower	Cast iron alloy, inside bevel, tapered face (b)			
	Width	(c)	(d)	(e)	
Oil	Gap	.010-.020	(f)	.010-.020	
	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated O.D.; expander-stainless steel			
	Width	.1870-.1890	.1850-.1874	.1855-.1875	
Expanders	Gap	.015-.055	.010-.030		
	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.	(weld) Locked in rod			
	Bushing	In rod or piston	None		
Clearance	In piston	.00015-.00025		.0004-.0005	
	In rod				
Direction & amount of offset in piston	Major thrust side .060				

### ENGINE - CONNECTING RODS

Material	Drop forged steel				
Weight (oz.)	12.50	20.80		27.84	
Length (center to center)	5.695-5.705		6.130-6.140		
Bearing	Material & Type	Copper lead alloy steel backed		Premium aluminum	
	Overall length	.807	.797	.847	
	Clearance (limits)	.0007-.0027	.0013-.0035	.0009-.0025	
	End play	.009-.014	.008-.014	.015-.023	

- (a) Molybdenum inlay on L6-250; Chrome plate V8-307 & 350; molybdenum inlay on V8-454
- (b) Wear resistant coating.
- (c) Upper .0775-.0780; lower .0770-.0780.
- (d) Upper .0775-.0780; lower .0770-.0775.
- (e) Upper and lower .0770-.0775.
- (f) Upper .010-.020; lower .013-.025.

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL	L6-250	V8-307	V8-350		V8-454
	Standard	L14	L65	L48	LS4

## ENGINE - CRANKSHAFT

Material	Cast nodular iron		Forged steel (e)		
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; copper lead alloy or premium aluminum lining selected for specific application			
	Clearance	.0003-.0029	(a)	(b)	
	Journal dia. and bearing overall length	No. 1	2.3004x.752	2.4502x.752	2.7492x.992
		No. 2	2.3004x.752	2.4502x.752	2.7504x.992
		No. 3	2.3004x.752	2.4502x.752	2.7504x.992
		No. 4	2.3004x.752	2.4502x.752	2.7504x.992
		No. 5	2.3004x.752	2.4508x1.180	2.7499x1.256
	No. 6	2.3004x.752	None		
	No. 7	2.3004x.760	None		
	Dis. & amt. cyl. offset	None			
No. bolts/main erg. cap	4 & 7	10 & 5	10 & 5		
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 iron alloy			
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 hub	
	No. of links	None	46	50
	Timing chain	None	.740	.740
Pitch	None	.500	.500	

- (a) No. 1 - .0005-.0020  
 No. 2, 3 & 4 - .001-.0023  
 No. 5 - .0017-.0033  
 (b) No. 1 - .0007-.0019  
 No. 2, 3 & 4 - .0013-.0025  
 No. 5 - .0014-.0035

- (c) Above and to right of crankshaft  
 (d) Bakelite and fabric composition with steel hub.  
 (e) Cast nodular iron with automatic transmission

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (•)

MODEL	L6-250 Standard	V8-307 L14	V8-350 L65   L48	V8-454 LS5
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**ENGINE - VALVE SYSTEM**

Hydraulic lifters (Std., opt., NA) Standard

Valve rotator, type (intake, exhaust) None Exhaust None

Rocker ratio 1.75:1 1.50:1 1.70:1

Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	

Timing (based on top of ramp points)	Intake	Opens ("BTC)	16°	28°	55°
		Closes ("ABC)	48°	72°	111°
		Duration (deg.)	244°	280°	346°
	Exhaust	Opens ("BBC)	46°30'	78°	105°
		Closes ("ATC)	17°30'	30°	63°
		Duration (deg.)	244°	288°	348°
Valve open overlap (deg.)		33°30'	58°	118°	

Intake	Material		Alloy steel; aluminized face on L6-250 and V8-454 (a)		
	Overall length		4.902-4.922	4.870-4.899	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		
	Stem to guide clearance		.0010-.0027		
	Lift (• zero lash)		.3880	.3900	.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.)	180-92 @ 1.27	194-206 @ 1.25	288-312 @ 1.38
	Inner spring press. & length	Valve closed (lb. • in.)	None	Spring damper	
		Valve open (lb. • in.)	None	Spring damper	

Exhaust	Material		High alloy steel aluminized face (a)		
	Overall length		4.913-4.933		5.315-5.365
	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		
	Stem to guide clearance		.0010-.0027		
	Lift (• zero lash)		.3880	.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	194-206 @ 1.16	288-312 @ 1.38
	Inner spring press. & length	Valve closed (lb. • in.)	None	Spring damper	
		Valve open (lb. • in.)	None	Spring damper	

(a) Head aluminized on V8-454.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

<b>MODEL</b>	L6-250	V8-307 L14	V8-350 L65	L48	V8-454
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## ENGINE – LUBRICATION SYSTEM

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

## ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual	Dual with resonators *
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		2-mufflers	2-mufflers 2-resonators
Exhaust pipe dia. (O.D., wall thick.)	Branch	None	2.00x.082 (a)	None
	Main	2.00x.064	2.25x.079 (a)	2.00x.082 (a)
Tail pipe dia. (O.D. & wall thickness)	2.00x.056			2.00x.056 (c)

\* No resonators with station wagons & pickups.

(a) Laminated

(b) Pipe-muffler to resonators

(c) Cross flow tail pipes with station wagons & pickups.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (6)

MODEL	L6-250 Standard	V8-307 L14	V8-350 L65   L48	V8-454 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		
Fuel Tank	Filler location	Behind hinged rear license plate (**)		
Fuel Pump	Type (elec. or mech.)	Mechanical		
Fuel Pump	Locations	Lower right front of engine		
Fuel Pump	Pressure range *	4.00-5.00	5.50-7.00	7.50-9.00
Vacuum booster (std., optional, none)		None		
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank and		
Fuel Filter	Locations	paper filter (sintered bronze with V8-307) in carburetor inlet		
Choke type		Automatic		
Intake manifold heat control (exhaust or water)		Exhaust		
Carburetor	Air cleaner type	Standard	Thermostatically controlled; oil wetted paper element	
		Optional		
	Idle speed (spec. neutral or drive)	Manual	700	900
		Automatic	600	
	Idle A/F mix.	Not specified		

**CARBURETOR SUPPLEMENTARY INFORMATION**

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
IAC29-35-37 IAD29-37	250	Manual	Rochester	7043017 (7043317)	One	1.69
		Automatic		7043014 (7043314)	1-bbl	
IAC29-35-37 IAD29-35-37 IAC & IAD80	307	Manual	Rochester	7043101 (7043401)	One;	1.44
		Automatic		7043100 7043400	2-bbl	
ALL MODELS	350 145 hp	Manual	Rochester	7043113 (7043413)	One	1.69
		Automatic		7043114 (7043414)	2-bbl	
	350 175hp	Manual	Rochester	7043203 (7043503)	One;	1.38 Prim. 2.25 Sec.
		Automatic		7043202 (7043502)	4-bbl	
ALL MODELS (Except Sedans)	454	Manual	Rochester	7043201 (7043501)	One;	1.38 Prim. 2.25 Sec.
		Automatic		7043200 (7043500)	4-bbl	

\* Shut off pressure - 1800 RPM at pump outlet

\*\* Left quarter panel on station wagons



# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9/72 REVISED (\*)

MODEL	L6-250	V8-307	V8-350	V8-454
	Standard	L14	L65 L43	LS4

## ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure-vented thru coolant recovery system				
Radiator cap relief valve pressure	15+1 PSI				
Circulation thermostat	Type (choke, bypass)	Choke			
	Starts to open at (°F)	192°-198°			
Water pump	Type (centrifugal, other)	Centrifugal			
	GPM pump rpm	20.4@2300	26.0@1900	24.3@1900	
	Number of pumps	One			
	Drive (V-belt, other)	V-belt			
Bearing type	Permanently lubricated double row ball				
By-pass recirculation type (inter., ext.)	Internal		External		
Radiator core type (cellular, tube and fin, other)	Tube and Center				
Cooling system capacity	With heater (qt.)	14	17	18	25
	Without heater (qt.)	13	16	17	23
	Opt. equipment-specify (qt.)	14	18	18	25
Water jackets full length of cyl. (yes, no)	Yes				
Water all around cylinder (yes, no)	Yes				
Radiator hose	Lower	Number and type (molded, straight)	One, molded		
		Inside diameter	1.75	1.88	
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	None	One, molded	
		Inside diameter	None		
Fan	Number of blades & spacing	4-staggered		.725-.765	
	Diameter	17.62	19.00	7-staggered	
	Ratio-fan to crankshaft rev.	1.165:1	.949:1	19.50	
	Fan cutout type	None			
Bearing type	Double row ball				
* Drive belts (indicate belt used by letter)	Fan	A	C	D	G
	Generator or alternator	A	C	D	G
	Water Pump	A	C	D	G
	Power Steering	B		E	II
	Air Conditioning			F	I
Air Injection		C	D	G	

\*\*\* Thermo-modulated clutch

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	←				38°-42°	→					
Nominal length (SAE)	37.30	48.50	51.50	47.00	36.00	54.50	49.50	41.00	58.00		
Width	←				.380	→					

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVIELE MODEL YEAR 1973 DATE ISSUED 9/72 REVISED (\*)

MODEL \_\_\_\_\_

**VEHICLE EMISSION CONTROL**

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air Injection	
	Air Injection Pump	Type	Semi-articulated vane type	
		Displacement:	19.3 cubic inch	
		Drive ratio	1.15:1	
		Drive type	Crankshaft pulley	
		Relief valve (type)	Poppet in diverter valve	
		Filter (describe)	Centrifugal air cleaner	
	Air Injection System	Air distribution (head, manifold, etc.)		Manifold
		Point of entry	Exhaust ports	
		Injection tube i.d.	.2565	
Check valve type		Pressure plate type		
	Backfire protection (type)	Diverter valve		
Type (ventilates to atmos., induction system, other)		Standard	Induction system	
		Optional	---	
Crankcase Emission Control	Control Unit	Make and model	AC Spark Plug Division -6484603 (L6)6484541 (V8)	
		Location	Rocker cover - top rear L-6 and left front V-8	
		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 arrester (screen, other)		Screen		
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	22 approximately; 26 pickup	
		Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity	
		Pressure relief location (lbs.)	1.1 PSI	
		Vacuum relief location (lbs.)	.3 PSI	
	Vapor-liquid separator type		Integral with fuel tank	
	Vapor vented to (crankcase, canister, other)		Canister	
Control	Carburetor	Vapor vented to (crankcase, canister, other)		
		No vents		
	Vapor Storage	Storage provision (crankcase, canister, other)		
		Canister		
Volume (cu. ft.) or capacity (grams)		Approximately 10 grams storage capacity		
Control valve type		Vacuum controlled staged purge valve		

# AMA Specifications Form—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1973	DATE ISSUED	9/72	REVISED (•)	
MODEL		L6-250 Standard		V8-307 L14	V8-350 L65   L48	V8-454 LS4	

## ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980141	Delco-Remy 1980145	1980149
	Voltage Rtg. & Total Plates		12 volts - 54 plates	12 volts - 66 plates	12 volts 90 plate
	Cranking Power		2300 watts @ 0°F	2900 watts @ 0°F	3750 @ 0°F
	Location		Right side of engine compartment		
	Terminal grounded		Negative		
Generator or Alternator	Make		Delco-Remy		
	Model		1100497	1100934	
	Type and rating		Diode rectified - 37 amps		
	Output at engine idle (neutral)		13 amps		
	Ratio-Gen. to Cr/s rev.		2.73:1		
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				
	Model		1108365	1108367	1108430
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		Manual - Place gearshift lever in neutral and depress clutch Automatic - Place gearshift lever in N or P position. Initial Start - Press accelerator to floor and release. Turn ignition to START release as soon as engine starts.		
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		

# AMA Specifications Form—Passenger Car

MAKE OF CAR	CHEVELLE		MODEL YEAR	1973	DATE ISSUED	9-72	REVISED (•)
MODEL	L6-250 Standard	V8-307 L14	V8-350 L65	L48	V8-454 LS4		

**ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR**

Breaker gap (in.)	.019					
Cam angle (deg.)	31-34	29-31			28-30	
Brkr. arm tension (oz.)	19-23			28-32		
Distributor	Manual	1110499	1112227	1112168	1112093	1112113
	Automatic	1110499	1112102	1112168	1112094	1112113
Timing	Manual	6° BTC @ 700	4° BTC @ 900	8° BTC @ 900	8° BTC @ 900	10° BTC @ 750
	Automatic	6° BTC @ 600	6° BTC @ 600	8° BTC @ 600	12° BTC @ 600	10° BTC @ 600

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
	1110499	1100	--	21@4200	6.00
1112093	1100	11@2400	18@4200	6.00	15@13
1112094	1200	--	14@4200	6.00	15@14
1112102	1000	--	20 @4200	6.00	15@12
1112113	1100	11@2400	18@4200	6.00	20@14.5
1112168	1000	12@3000	18@4200	4.00	16@7
1112227	1000	--	20@4200	6.00	20@15.5

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (•) \_\_\_\_\_

MODEL	L6-250 Standard	V8-307 L14	V8-350 L65   L48	V8-454 LS4
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## ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.	Standard	
	Transistorized – Std., Opt., N.A.	Not available	
	Other (specify)		
Coil	Make	None	
	Model	Delco-Remy	
	Amps	1115208	1115293
		Engine stopped	4.0
Spark Plug	Engine idling	1.8	
	Make	AC Spark Plug	
	Model	AC R46T	
	Thread (mm)	AC R44T	
	Tightening torque (lb. ft.)	14	
	Gap	15	
Cable	Conductor type	.033-.038	
	Insulation type	Linen core impregnated with electrical conducting mat'l.	
	Spark plug protector	Rubber with neoprene jacket	
		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.)	N.A.
Charge indicator – type		Tell-tale
Temperature indicator – type		Tell-tale
Oil pressure indicator – type		Tell-tale
Fuel indicator – type		Electric gage
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
	Amp draw (each)	4.5-6.5 @ 12.5V (low note)
Other		Parking brake and parking brake warning light

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (•)

<b>MODEL</b>	L6-250 Standard	V8-307 L14	V8-350 L65   L48	V8-454 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.)	1650-1850	1900-2200	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	
Engagement cushioning method	Flat spring steel between facings		
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

**DRIVE UNITS – TRANSMISSIONS**

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

**DRIVE UNITS – MANUAL TRANS.**

Number of forward speeds		3	3	4	4
Transmission ratios	In first	2.85	2.54	2.54	2.20
	In second	1.68	1.50	1.80	1.64
	In third	1.00	1.00	1.44	1.27
	In fourth	--	--	1.00	1.00
	In reverse	2.95	2.63	2.54	2.26
Synchronous meshing, specify gears	All forward gears				
Shift lever location	Steering column 3-Speed Floor mounted 4-Speed				
Lubricant	Capacity (pt.)	3			
	Type recommended	Meeting Military Specs. MIL-L-2105B			
	SAE viscosity number	Summer	SAE 80		
		Winter	SAE 80		
	Extreme cold	SAE 80			

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL L6-250 V8-350 V8-454 3-SPEED AUTOMATIC

## 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 on convertible & coupes	
List gear ratios Selector Pattern and indicate which are used in each selector position	P-Park R-1.93 N-Neutral D-2.52-1.52-1.00 L2-2.52-1.52 L1-2.52	P-Park R-2.08 N-Neutral D-2.48-1.48-1.00 L2-2.48-1.48 L1-2.48
Max. upshift speed—drive range		
Max. kickdown speed—drive range		
Torque converter	Number of elements	
	Max. ratio at stall	2.10
	Type of cooling (air, liquid)	Water
Lubricant	Nominal diameter	11.75
	Capacity—refill (pt.)	8
	Type recommended	9
Special transmission features	A suffix A	

## DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.00 x 57.65 x 0.065 (116" wheel base) 2.75 x 53.65 x 0.065 (112" wheel base)
	Manual 4-speed trans.	3.00 x 57.65 x 0.065 (116" wheel base) 2.75 x 53.65 x 0.065 (112" wheel base)
	Overdrive transmission	Not available
	Automatic transmission	3.00 x 57.65 x 0.065 (116" wheel base) 2.75 x 53.65 x 0.065 (112" wheel base)

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

(Continued)

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL \_\_\_\_\_

## DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O.D.	1.1750-1.1752
Universal joints	Make and Mfg. No.	Chevrolet 1285
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	U-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

## DRIVE UNITS – AXLE

Type (front, rear)	Rear		
Description	<u>Semi-floating, axles, overhung hypoid drive pinion &amp; ring gear</u>		
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		
Lubricant	Capacity (pt.)	4.25 (8-1/8 ring gear); 4.9 (8-7/8 ring gear)	
	Type recommended	Open Diff: Meeting Military Specs. MIL-L-2105-B	
	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	3.42
No. of teeth	Pinion	15	12	12	15	12
	Ring gear	41	37	41	41	41
Pinion Gear O.D.		8.50			8.875	



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	Coupes & Sedans with L-6	with V-8	Pickup	Station Wagon
--	-----------------------------	----------	--------	------------------

**DRIVE UNITS — TIRES AND WHEELS (STANDARD)**

<b>TIRES</b>	Size, load range, ply		E78x14B	G78x14B	G78x14B	H78x14B
	Type (bias, radial, etc.)		Bias belted			
	Normal max. load inflation pressure (cold)	Front #	28	28	30	28
		Rear #	30	28	32	32
Rev./mile @ 45 mph		796	768		743	
<b>WHEELS</b>	Type & material		Short, spoke disc; steel			
	Rim (size & flange type)		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	---	H78x14B	---
Type (bias, radial, etc.)		Bias belted			
Normal max. load inflation pressure (cold)	Front #	28		26	
	Rear #	28		26	
Rev./mile @ 45 mph		768		743	
Wheel type & material		Short, spoke disc; steel			
Rim (size & flange type)		14x6			

**DRIVE UNITS — TIRES AND WHEELS (OPTIONAL)**

Size, load range, ply		G70 x 14B (White Letters)*			
Type (bias, radial, etc.)		Bias belted			
Normal max. load inflation pressure (cold)	Front #	28	28	30	
	Rear #	28	28	32	
Rev./mile @ 45 mph		777			
Wheel type & material		Short, spoke discs steel			
Rim (size & flange type)		14x7 Turbine I **			

**BRAKES — PARKING**

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 pressure shown; selective tire pressures are contingent on weight of vehicles.
- \* Base tire with Super Sport option
- \*\* Coupe with Z15 - Rally type  
Wagon & Pickup with Z15 - Turbine Polycast

## AMA Specifications Form—Passenger Car

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MODEL \_\_\_\_\_

## BRAKES—SERVICE

Sedan, Coupe &amp; El Camino

Station Wagon

Type (drum) or (disc & no. of pistons)		Disc-front; Drum-rear (a)		
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	Metering and proportioning (except station wagons)		
Power brake make & type (remote, int., etc.)	Std.	Standard with station wagons; optional all other models		
	Opt.	Delco-Moraine vacuum power unit; integral		
Effective area (sq. in.) *		101.9	109.32	
Gross lining area (sq. in.) **		118.1	130.0	
Swept area (sq. in.) ***		337.3	356.1	
Effectiveness	Front	Controlled by valving		
	Rear			
Drum	Diameter (nominal)	Front	---	
		Rear	9.5	
Type and material		Composite, cast iron rim, 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	Manual 1.00; Power 1.125		
	Stroke	Manual 1.41; Power 1.46		
Pedal arc ratio		Manual 5.36; Power 3.1		
Line pressure at 100 lb. pedal load		700		
Shoe Clearance	Front	Self-adjusting		
	Rear	Self-adjusting		
Anti-skid device type (std., opt., N.A.)		N.A.		
Brake lining	Bonded or riveted		Disc-riveted; Drum-bonded	
	Front Wheel	Material		Molded asbestos
		Size (length x width x thickness)	Prim. or out-board	5.40 x 1.93 x 0.46
			Second. or in-board	5.40 x 1.93 x 0.46
		Segments per shoe		One
	Rear Wheel	Material		Molded asbestos
		Size (length x width x thickness)	Prim. or out-board	7.60x2.00x0.23
			Second. or in-board	8.88x2.00x0.25
		Segments per shoe	Prim. or out-board	9.87x2.00x0.30
	Second. or in-board		11.53x2.00x0.29	
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.)

(a) Drum-single piston, duo-service; Disc-single piston, floating caliper

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MODEL \_\_\_\_\_

## STEERING

Manual (std., opt., NA)		Standard energy absorbing steering column	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: universally jointed steering shaft at base of steering wheel; 5 inch vertical range	
	(std., opt., NA)		
Wheel diameter	Manual	15.25 x 14.75 - Oval	
	Power	Same	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	42.78
		Curb to curb (l. & r.)	39.60
	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
	Overall	31.4:1	
		No. wheel turns (stop to stop)	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	16.0 - 13.0:1
	Overall	17.9 - 13.0:1	
		Pump driven by	Crankshaft pulley
No. wheel turns (stop to stop)			
Linkage	Type		Parallelogram
	Location (front or rear of wheels, other)		Front
	Drag link (trans. or longit.)		None
	Tie rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		9.6 @ 1°
	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 - N 1'4 ± 1/2
	Camber (deg.)		Left hand P1 + 1/2 Right hand P 1/2 ± 1/2
	Toe-in (outside track inches)		
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

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL \_\_\_\_\_

## 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		

## SUSPENSION – FRONT

Type and description	Independent-SLA type with coil spring and concentric shock absorber and spherically jointed steering knuckle for each wheel	
Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	11.0 x 4.05; 128.9 x 0.668 (a)
	Spring rate (lb. per in.)	365 (a)
	Rate at wheel (lb. per in.)	101.3 (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	
Spring	Type	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D.; bar length & dia.)	10.0 x 6.00; 105.8 x 0.540 (a)
	Spring rate (lb. per in.)	115 (a)
	Rate at wheel (lb. per in.)	116.5 (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 base equipped 1AC29, Springs for all models computer selected by size and rate according to vehicle weight including optional equipment.

# AMA Specifications Form—Passenger Car

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MODEL \_\_\_\_\_

FRAME \_\_\_\_\_

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

All welded primeter type with front crossmember rear suspension crossmember and rear crossmember

**BODY – MISCELLANEOUS INFORMATION**

4-Door Sedan

2-Door Coupe

Station Wagon

Sedan Pickup

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 Ident. 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		Flat	
		Curved			
Windshield glass exposed surface area		1332.6	1276.6	1332.6	1332.6
Side glass exposed surface area		2127.9	1836.0	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	5433.0	3157.8

# AMA Specifications Form—Passenger Car

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MODEL \_\_\_\_\_

**CONVENIENCE EQUIPMENT** (Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Optional all except IAC 29, 35, 37
	Vent windows	NA
	Backlight or tailgate	NA
Power seats (specify type as well as availability)		6-way power bench seat-All models except IAC 29, 35, 37.
Reclining front seat back (R-L or both)		NA
Front seat head restrainer (R-L or both)		Standard
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 IAC00 optional
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Optional
Map lamp		Optional
Rear quad. lamp		Standard
Emergency light lamp		NA
Rear window defroster electrically heated		NA
Rear window defogger		Optional (a)
Power door lock system		Optional
Windshield Antenna		Available with factory installed radio Also with tinted windshield glass

AMP HEIGHT AND SPACING			4-Door Sedans	Coupes	Station Wagons	Sedan Pick-up
Height above ground to center of bulb or marker	Headlamp (H125)	Highest	32.10	32.18	32.64	32.72
		Lowest	25.40	25.48	25.94	26.02
	Tail (H126)	Highest	27.71	27.59	18.85	17.77
		Lowest	23.31	23.39	15.41	14.33
Sidemarker	Front					
	Rear					
Distance from C/L of car to center of bulb	Headlamp	Inside				
		Outside *				
	Tail	Inside				
		Outside				
Directional	Front					
	Rear					

\* If single headlamps are used enter here.

(a) Not available with El Camino.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

### VEHICLE WEIGHTS

Model	CURB WEIGHT* (Pounds)			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT (Pounds) Total
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
<b>DELUXE (a)</b>								
2-Door Coupe 1AC37	1936	1597	3533	46.0	54.0	18.0	82.0	3423
4-Door Sedan 1AC29	1955	1590	3545	47.3	52.7	19.3	80.7	3435
<b>MALIBU (a)</b>								
2-Door Coupe 1AD37	1942	1598	3540	46.0	54.0	18.0	82.0	3430
4-Door Sedan 1AD29	1965	1622	3587	47.3	52.7	19.3	80.7	3477
<b>LAGUNA (b)</b>								
2-Door Coupe 1AE37	2145	1643	3788	46.0	54.0	18.0	82.0	3678
4-Door Sedan 1AE29	2166	1668	3834	47.3	52.7	19.3	80.7	3720
<b>STATION WAGONS</b>								
<b>DELUXE (a)</b>								
4-Door 2-seat 1AC35	1761	2195	3956	47.3	52.7	19.3	80.7	3849
<b>MALIBU (c)</b>								
4-Door 2-seat 1AD35	1925	2213	4138	47.3	52.7	19.3	80.7	4031
<b>MALIBU ESTATE (c)</b>								
4-Door, 2-seat 1AG35	1927	2216	4143	47.3	52.7	19.3	80.7	4036
<b>LAGUNA (b)</b>								
4-Door, 2-seat 1AE35	2016	2201	4217	47.3	52.7	19.3	80.7	4110
<b>LAGUNA ESTATE (b)</b>								
4-Door, 2-seat 1AH35	2030	2218	4248	47.3	52.7	19.3	80.7	4141
<b>PICKUP DELIVERY (c)</b>								
El Camino 1AC80	2070	1655	3725	47.3	52.7	--	--	3615
El Camino Custom 1AD80	2072	1663	3735	47.3	52.7			3625
<b>(a)with L6-250 cu. in. engine</b>								
<b>(b)with V8-350 cu. in. 145 H.P. engine</b>								
<b>(c)with V8-307 cu. in. engine</b>								

\*Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

\*\*Shipping weight definition - Weight of basic vehicle with regular equipment, including grease, oil and (4) gallons of gasoline and engine coolant to capacity.

# AMA Specifications Form—Passenger Car

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### OPTIONAL EQUIPMENT WEIGHTS

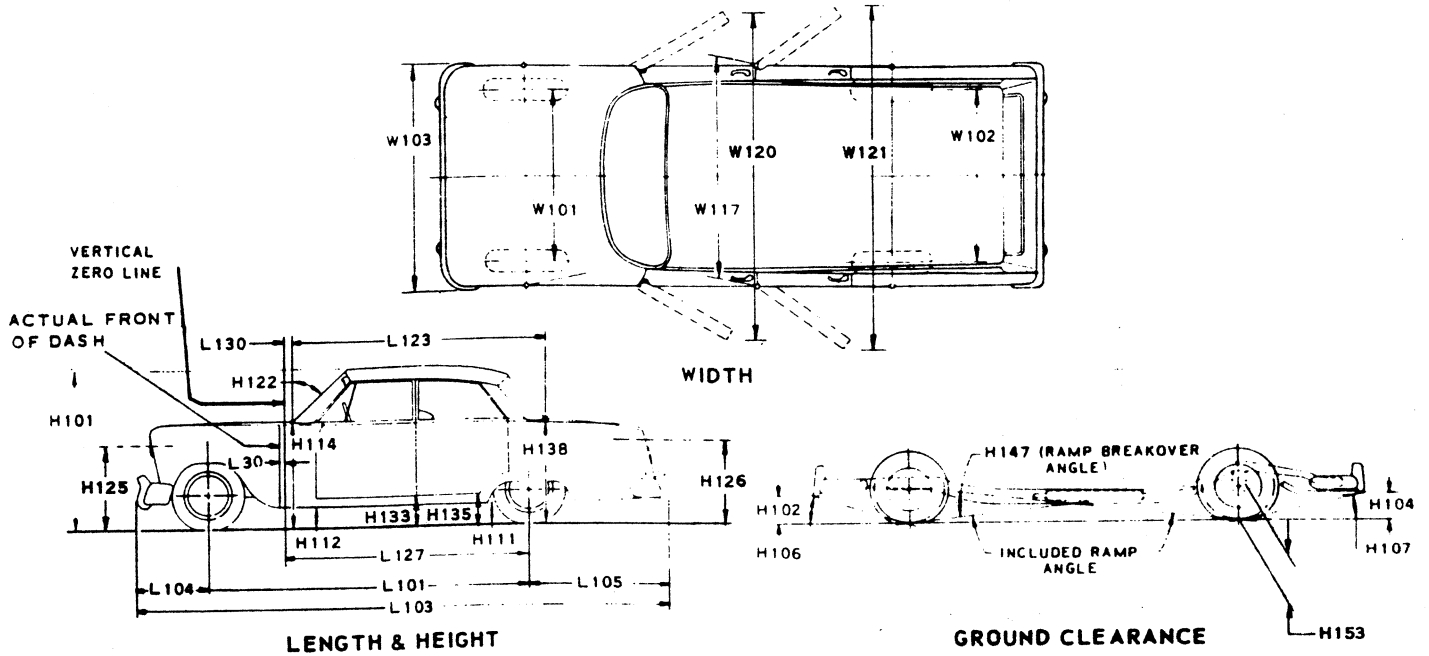
Equipment Differential Weights	WEIGHT (Pounds)			Remarks
	Front	Rear	Total	
Air Conditioning	+ 96	+ 6	+102	
Power Steering	+ 27	+ 1	+ 28	
Power Brakes	+ 10	+ 1	+ 11	
Electric Door Locks	+ 5	+ 3	+ 8	Used with 2-Door Models
	+ 8	+ 9	+ 17	Used with 4-Door Models
Bucket Seat-Swivel	+ 8	+ 9	+ 17	1AD37, 80, 1AE37
Station Wagon-3rd Seat	- 16	+ 64	+ 48	
Power Windows	+ 11	+ 12	+ 23	1AD 29, 35, 37, 80; 1AE29, 35, 37; 1AG&1AH37
Power seat 6-way bench	+ 11	+ 8	+ 19	1AD29, 35, 37, 1AE29, 35, 37; 1AG&1AH35
Front & Rear Floor Mats	+ 6	+ 5	+ 11	1AA29, 35, 37
Front Floor Mat	+ 5	+ 2	+ 7	1AA80
Electric-Sun Roof	+ 13	+ 22	+ 35	1AC 37, 1AD 37, 1AE 37
Vinyl Roof Cover	+ 2	+ 5	+ 7	All except Station Wagons
Rear Window Air Deflector	- 1	+ 7	+ 6	Station Wagons
<del>Turbine I wheels, 14x7 (urethane)</del> styled steel Wheels)	+ 16	+ 24	+ 40	29, 35, 37, 80
Radio AM Push Button	+ 6	+ 2	+ 8	
Radio AM/FM Push Button	+ 6	+ 3	+ 9	
Radio AM/FM Stereo	+ 13	+ 5	+ 18	
Radio AM Push Button & Tape	+ 17	+ 4	+ 21	
Radio AM/FM push button & tape	+ 18	+ 4	+ 22	
Front & Rear bumper guards	+ 3	+ 2	+ 5	1AA29-37
Roof Luggage Carrier	+ 2	+ 14	+ 16	Station Wagons
Front compartment console	+ 7	+ 2	+ 9	4-Speed Transmission
	+ 13	+ 4	+ 17	Turbo Hydra-matic transmission
307 cu. in. L14	+120	+ 30	+150	1AC-1AD-29-37
350 cu. in. L65	+146	+ 27	+173	1AC-1AD 29-37- 1AC35
	+ 17	+ 3	+ 20	1AC80-1AD35-80
350 cu. in. L48	+156	+ 55	+211	1AC-1AD-29-37-1AC35
	+ 27	+ 31	+ 58	1AC80-1AD35-80
454 cu. in. LS4	+315	+ 73	+388	1AC-1AD29-37
	+326	+ 67	+393	1AC35
	+196	+ 46	+242	1AC80-1AD80
	+195	+ 43	+238	1AD35
4-Speed Transmission	+ 9	+ 4	+ 13	
Turbo Hydra-Matic Trans	+ 16	+ 3	+ 19	Used with L22, 6 cyl engine
	+ 24	+ 7	+ 31	Used with L65 & L48 V8 engines
	+ 36	+ 9	+ 45	Used with LS4 V8 engine



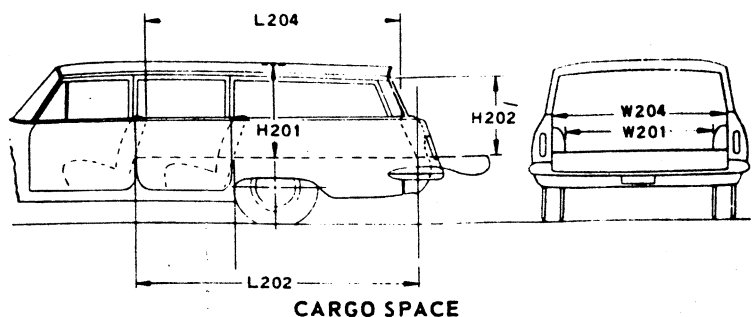
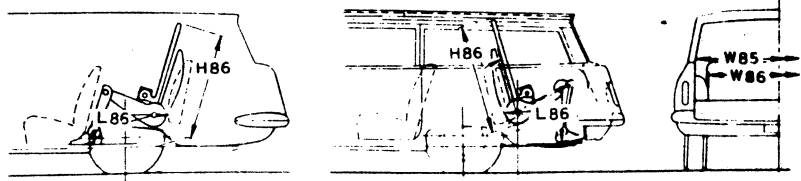
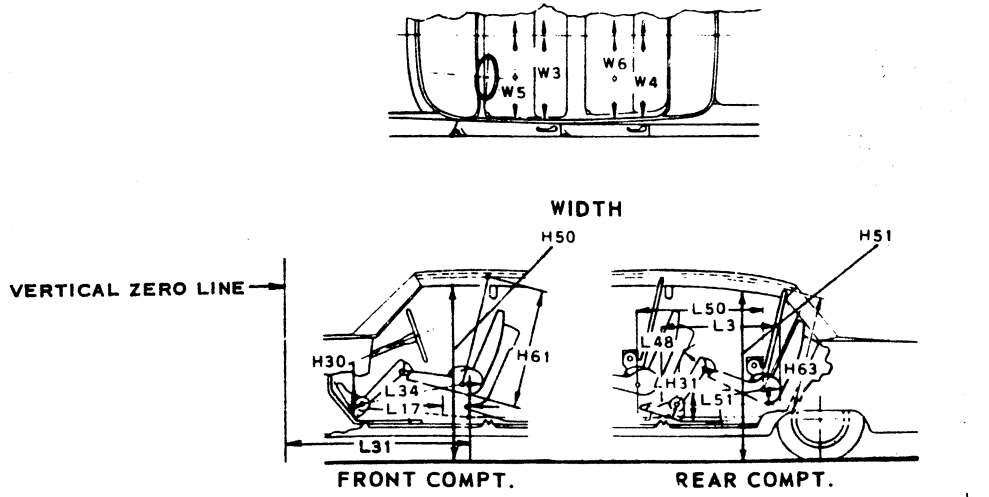
## CAR AND BODY DIMENSIONS

### KEY SHEET

### EXTERIOR CAR AND BODY DIMENSIONS



### INTERIOR CAR AND BODY DIMENSIONS



**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 #2 PILLAR. Measured across body at #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.

**INTERIOR CAR AND BODY DIMENSIONS  
KEY SHEET  
DIMENSION DEFINITIONS**

**FRONT COMPARTMENT DIMENSIONS**

- L31** H POINT TO VERTICAL ZERO LINE – FRONT is a horizontal dimension.
- H61** EFFECTIVE HEAD ROOM – FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L34** MAXIMUM EFFECTIVE LEG ROOM—ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30** H POINT TO HEEL POINT – FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17** H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3** SHOULDER ROOM – FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W5** HIP ROOM – FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H50** UPPER BODY OPENING TO GROUND – FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

**REAR COMPARTMENT DIMENSIONS**

- L50** H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63** EFFECTIVE HEAD ROOM – REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L51** MINIMUM EFFECTIVE LEG ROOM – REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H31** H POINT TO HEEL POINT – REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L48** MINIMUM KNEE ROOM – REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L3** REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4** SHOULDER ROOM – REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W6** HIP ROOM – REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H51** UPPER BODY OPENING TO GROUND – REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

**LUGGAGE COMPARTMENT DIMENSIONS**

- V1** LUGGAGE CAPACITY – USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195** LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.
- STATION WAGON – THIRD SEAT DIMENSIONS**
- W85** SHOULDER ROOM – THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W86** HIP ROOM – THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L86** EFFECTIVE LEG ROOM – THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86** EFFECTIVE HEAD ROOM – THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

**STATION WAGON – CARGO SPACE DIMENSIONS**

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

$$\frac{W \times L \times H}{1728}$$

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

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