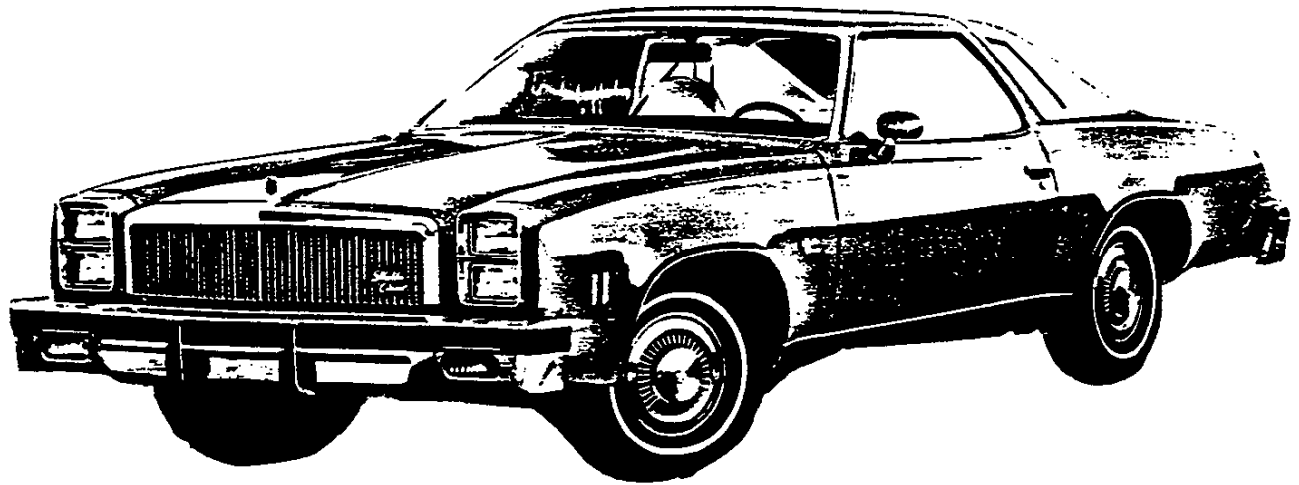

1977



CHEVROLET

CHEVELLE

CHEVELLE MALIBU AND MALIBU CLASSIC COUPES AND SEDANS 1977 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Model Number	Body Code	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H [†]	List Price	Mfr's Suggested Retail Price*	Destination Charge & Group Number	Total
◆ 6-Cylinder Engine										
Malibu										
Coupe	1AC37	—	112"					3895.65	3	_____
Sedan	1AC29	—	116"					3945.65	3	_____
Malibu Classic										
Coupe	1AD37	—	112"					4135.65	3	_____
Landau Coupe	1AD37	Z03	112"					4364.65	3	_____
Sedan	1AD29	—	116"					4485.65	3	_____

★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, options or accessories
 ◆ Refer to Dealer Order Guide for California Requirements

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H [†]	List Price	Mfr's Suggested Retail Price
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REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION

Interior Trims:

J**1 Sport Cloth Bench Seat		NO ADDITIONAL CHARGE		
V**1 Vinyl Bench Seat			22.00	
P**5 Knit Cloth Notchback Bench Seat		NO ADDITIONAL CHARGE		
V**5 Vinyl Notchback Bench Seat			22.00	
V**2 Vinyl Bucket Seats			131.00	

Exterior Color:

Paint:				
Solid		NO ADDITIONAL CHARGE		
Two-Tone. Includes bright metal outline moldings			43.00	
Roof Cover, Vinyl. Standard on Z03 Landau. Malibu includes outline and roof drip moldings			11.00	

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

250-1 BBL L6	L22	NO ADDITIONAL CHARGE		
305-2 BBL V8	LG3		120.00	
350-4 BBL V8	LM1		210.00	

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

	C60			514.00
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Axles, Rear:

Performance Ratio	G92			14.00
Positraction	G80			54.00

Battery, Heavy-Duty

	UA1			17.00
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Belts, Deluxe: Color-Keyed Seat and Shoulder. Includes brushed metal buckles. (Standard belts and plastic buckles are black.) Replacing standard number of belts.

With bench seat—6 seat and 2 front shoulder	AK1			19.00
With bucket seats—5 seat and 2 front shoulder	AK1			17.00

Brakes, Power

	J50			63.00
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Bumper Equipment: Front and Rear

Bumper Rub Strips. Standard on Z03 Landau. Includes black resilient impact strips	VE5			34.00
Guards, Bumper	V30			39.00

Clock: Electric

	U35			20.00
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Console: Includes shift lever mounted on console with automatic transmission

	D55			75.00
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Container, Litter: Color-Keyed

	D24			5.00
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Defogger, Rear Window: Forced-Air

	C50			48.00
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Door Lock System, Power: Electric.

Coupes	AU3			74.00
Sedans	AU3			103.00

* Dealer Invoice Amount includes holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin
 † D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires
 ‡ State and local taxes not included

CHEVELLE MALIBU AND MALIBU CLASSIC COUPES AND SEDANS

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H:	List Price	Mfr's Suggested Retail Price
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Econominder Gauge Package: Includes voltmeter, temperature and economy gauges	UF7					47.00
Emission Systems:						
<i>California Emission Certification</i> Includes air testing, equipment and /or certification necessary for registration in the State of California	YF5					70.00
<i>High Altitude Emission Equipment</i>	NA6					22.00
<i>Standard Emission Equipment</i>	NA2			NO ADDITIONAL CHARGE		
Exterior Decor: Standard on Malibu Classic. Includes wheel opening moldings.						
Without vinyl roof. Also includes roof drip moldings	YJ9					46.00
With vinyl roof	YJ9					20.00
Floor Covering: Mats, Color-Keyed Floor. 2 front and 2 rear	B37					18.00
Generator, 61-Amp Delcotron: Included with C80 air conditioning	K76					29.00
Glass, Soft-Ray Tinted: All Windows	A01					57.00
Horns, Dual: Standard on Z03 Landau	U05					6.00
Lighting, Auxiliary: Includes headlight warning buzzer, courtesy, ashtray, luggage compartment, map and underhood lights.						
Malibu. Also includes glove compartment light	ZJ9					38.00
Malibu Classic or Malibu Classic Landau	ZJ9					33.00
Mirrors:						
<i>Outside Rearview, LH Remote</i>	D33					15.00
<i>Sport, LH Remote and RH Manual.</i> Standard on Z03 Landau	D35					32.00
<i>Sport, Twin Remote.</i>						
Malibu Classic Landau	D68					21.00
Malibu or Malibu Classic	D68					53.00
<i>Visor Vanity</i>	D34					4.00
<i>Visor Vanity, Illuminated</i>	D64					35.00
Moldings:						
<i>Body Side.</i> Includes black vinyl insert	B84					40.00
<i>Door Edge Guard</i>						
Coupes	B93					9.00
Sedans	B93					14.00
Radiator, Heavy-Duty	V01					29.00
Radio Equipment:						
AM Radio	U63					72.00
AM /FM Radio	U69					137.00
AM /FM Stereo Radio	U58					226.00
Stereo Tape System with AM Radio	UM1					209.00
Stereo Tape System with AM /FM Stereo Radio	UM2					324.00
Speaker, Rear Seat	U80					23.00
Windshield Antenna. Included with radio	U76					17.00
Seat, Power: Electric, 6-Way Control. Front seat	A42					143.00
Speed Control: Cruise-Master	K30					84.00
Steering, Power: Variable Ratio	N41					146.00
Steering Wheel: Comfort	N33					63.00
Stowaway Spare Tire	N65			NO ADDITIONAL CHARGE		
Suspensions:						
<i>Heavy-Duty Front and Rear.</i> Includes special front and rear springs and matching shock absorbers	F40					19.00
<i>Sport.</i> Includes HD front and rear shock absorbers, higher rated front and rear springs, higher rated rear suspension bushings, larger diameter front stabilizer bar and added rear stabilizer bar	F41					36.00
Tires:						
<i>P/R78-15 . B Fiberglass Beited Radial Ply Blackwall</i> (Standard)	QKM			NO ADDITIONAL CHARGE		
<i>P/R78-15 . B Fiberglass Beited Radial Ply White Stripe</i>						
Without N65 stowaway spare	QKN					43.00
With N65 stowaway spare	QKN					35.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.
 † D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.
 ‡ State and local taxes not included.

CHEVELLE MALIBU AND MALIBU CLASSIC COUPES AND SEDANS

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H:	List Price	Mfr's Suggested Retail Price
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
FR78-15 /B Steel Belted Radial Ply Blackwa						
Without N65 stowaway spare	QBU					35.15
With N65 stowaway spare	QBU					35.24
FR78-15 /B Steel Belted Radial Ply White Stripe						
Without N65 stowaway spare	QBW					38.15
With N65 stowaway spare	QBW					70.24
GR78-15 /B Steel Belted Radial Ply Blackwa						
Without N65 stowaway spare	QCF					71.20
With N65 stowaway spare	QCF					56.08
GR78-15 /B Steel Belted Radial Ply White Stripe						
Without N65 stowaway spare	QDR					116.20
With N65 stowaway spare	QDR					92.08
HR78-15 /B Steel Belted Radial Ply Blackwa						
Without N65 stowaway spare	QDU					110.10
With N65 stowaway spare	QEL					59.10
GR70-15 /B Steel Belted Radial Ply Blackwa						
Without N65 stowaway spare	QBX					93.00
With N65 stowaway spare	QBX					73.72
GR70-15 /B Steel Belted Radial Ply White Stripe						
Without N65 stowaway spare	QCX					138.00
With N65 stowaway spare	QCX					109.72
GR70-15 /B Steel Belted Radial Ply White Lettered						
Without N65 stowaway spare	QCY					152.00
With N65 stowaway spare	QCY					120.72
Transmissions:						
3-Speed Manual						
Turbo Hydra-matic. Standard on 1AD29 Malibu Classic Sedan	M15			NO ADDITIONAL CHARGE		289.00
Turbo Hydra-matic. Standard on 1AD29 Malibu Classic Sedan	M40					18.00
Trunk Opener: Power						
	A90					35.00
Wheel Trim:						
Wheel Covers. Bright Metal. Standard on Z03 Landau						
Wheel Covers. Sport	P01					81.00
Without Z03 Landau	PB2					48.00
With Z03 Landau	PB2					
Wheels, Rally. Includes styled wheels, special hub caps and trim rings.						
Without Z03 Landau	ZJ7					65.00
With Z03 Landau	ZJ7					38.00
Windows, Power: Electric						
Coupes	A31					114.00
Sedans	A31					158.00
Windshield Wiper System: Intermittent						
	CD4					30.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin
 † D&H amounts reflect provision for pass-through of the weight tax imposed on manufacturer or importer of tires
 State and local taxes not included

MALIBU AND MALIBU CLASSIC WAGONS

1977 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Model Number	Body Code	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H [†]	List Price	Mfr's Suggested Retail Price [‡]	Destination Charge & Group Number	Total
◆ 8-Cylinder Engine										
Malibu										
4-Door Station Wagon—2-Seat	1AC35	—	116"					4744.75	4	
4-Door Station Wagon—3-Seat	1AC35	AQ4	116"					4887.75	4	
Malibu Classic										
4-Door Station Wagon—2-Seat	1AD35	—	116"					5075.75	4	
4-Door Station Wagon—3-Seat	1AD35	AQ4	116"					5218.75	4	

★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, options or accessories.
 ◆ Refer to Dealer Order Guide for California Requirements.

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H [†]	List Price	Mfr's Suggested Retail Price [‡]
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Interior Trim:						
V**1 Vinyl Bench Seat					NO ADDITIONAL CHARGE	
J**1 Sport Cloth Bench Seat						22.00
V**5 Vinyl Notchback Bench Seat					NO ADDITIONAL CHARGE	
J**5 Sport Cloth Notchback Bench Seat						22.00
V**2 Vinyl Bucket Seats						109.00
Exterior Color: Paint, Solid						
					NO ADDITIONAL CHARGE	
Engines: (Refer to Dealer Order Guide for Emission System Requirements)						
305-2 BBL V8	LG3				NO ADDITIONAL CHARGE	
350-4 BBL V8						90.00
Malibu 2-Seat or 3-Seat Wagon	LM1					
Malibu Classic 2-Seat or 3-Seat Wagon	LM1				NO ADDITIONAL CHARGE	
Air Conditioning: Four Season includes K76 generator and increased cooling						
	C60					514.00
Air Deflector, Rear Window						
	C51					26.00
Axles, Rear:						
Performance Ratio	G92					14.00
Positraction	G80					54.00
Battery, Heavy-Duty						
	UA1					17.00
Belts, Deluxe: Color-Keyed Seat and Shoulder. Includes brushed metal buckles. (Standard belts and plastic buckles are black). Replacing standard number of belts						
2-Seat Wagon						
With bench seat—6 seat and 2 front shoulder	AK1					19.00
With bucket seats—5 seat and 2 front shoulder	AK1					17.00
3-Seat Wagon						
With bench seat—8 seat and 2 front shoulder	AK1					22.00
With bucket seats—7 seat and 2 front shoulder	AK1					20.00
Bumper Equipment:						
Bumper Rub Strips, Front and Rear, includes black resilient impact strips	VE5					34.00
Guards, Bumper, Front	V31					20.00
Carrier, Roof	V55					71.00
Clock, Electric	U35					20.00
Console: Shift lever mounted on console	D55					75.00
Container, Litter: Color-Keyed	D24					6.00

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

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

‡ State and local taxes not included.

MALIBU AND MALIBU CLASSIC WAGONS

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles manufactured on and after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H;	List Price	Mfr's Suggested Retail Price
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Defogger, Rear Window: <i>Forced-Air</i>	C50					52.00
Door Lock System, Power: <i>Electric</i>	AU3					103.00
Econominder Gauge Package: includes voltmeter, temperature and economy gauges	UF7					47.00
Emission Systems:						
<i>California Emission Certification</i> includes all testing equipment and /or certification necessary for registration in the State of California.	YF5					70.00
<i>High Altitude Emission Equipment</i>	NA6					22.00
<i>Standard Emission Equipment</i>	NA2			NO ADDITIONAL CHARGE		
Estate Equipment	BX3					185.00
Exterior Decor: includes roof drip and wheel opening moldings	YJ9					54.00
Floor Covering:						
<i>Carpet, Removable Load Floor</i>	B44					45.00
<i>Mats, Color-Keyed Floor, 2 front and 2 rear</i>	B37					18.00
Generator, 61-Amp Delcotron: includes with C60 air conditioning	K76					29.00
Glass, Soft-Ray Tinted: <i>All Windows</i>	A01					57.00
Horns, Dual	U05					6.00
Lighting, Auxiliary: includes headlight warning buzzer, ashtray, courtesy, map and underhood lights						
<i>Malibu, Also includes glove compartment light</i>						
2-Seat Wagon. Also includes rear compartment light	ZJ9					44.00
3-Seat Wagon.	ZJ9					33.00
<i>Malibu Classic.</i>						
2-Seat Wagon. Also includes rear compartment light.	ZJ9					39.00
3-Seat Wagon.	ZJ9					28.00
Mirrors:						
<i>Rearview, LH Outside Remote</i>	D33					15.00
<i>Sport, LH Remote and RH Manual</i>	D35					32.00
<i>Sport, Twin Remote.</i>	D68					53.00
<i>Visor Vanity</i>	D34					4.00
<i>Visor Vanity, Illuminated.</i>	D64					35.00
Moldings:						
<i>Body Side, includes black vinyl insert</i>	B84					40.00
<i>Door Edge Guard.</i>	B93					14.00
Radiator, Heavy-Duty	V01					29.00
Radio Equipment:						
<i>AM Radio</i>	U63					72.00
<i>AM /FM Radio.</i>	U69					137.00
<i>AM /FM Stereo Radio</i>	U58					226.00
<i>Stereo Tape System with AM Radio.</i>	UM1					209.00
<i>Stereo Tape System with AM /FM Stereo Radio</i>	UM2					324.00
<i>Speaker, Rear Seat</i>	U80					23.00
<i>Windshield Antenna, included with radio</i>	U76					17.00
Seat, Power: <i>Electric, 6-Way Control, Front seat.</i>	A42					143.00
Speed Control: <i>Cruise-Master.</i>	K30					84.00
Steering Wheel: <i>Comfort.</i>	N33					53.00
Tailgate Release, Power: <i>Electric, Standard on 3-Seat Wagon</i>	AU6					22.00
Tires:						
<i>HR78-15 /B Steel Belted Radial Piv Blackwall (Standard)</i>	QDU			NO ADDITIONAL CHARGE		
<i>HR78-15 /B Steel Belted Radial Piv White Sides</i>	QEL					49.00
Wheel Trim:						
<i>Wheel Covers, Full.</i>	P01					35.00
<i>Wheel Covers, Sport.</i>	PB2					81.00
<i>Wheels, Rally, includes styled wheels, special hub caps and trim rings</i>	ZJ7					55.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with vehicle Terms of Sale Bulletin
D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires
State and local taxes not included

CHEVELLE

FABRIC/PAINT/ VINYL ROOF SELECTOR

Fabric Colors

Seat, Headliner and Door Trim Color	Black	Blue	Buckskin	Firethorn	Green	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Saddle	Firethorn	Green	Black	Blue	Firethorn	Green

Seat and Fabric Applications (Malibu)

Model	Seat Type	Black	Blue	Buckskin	Firethorn	Green	White	White	White	White
COUPE	Sport Cloth Bench	•	•	•						
	Vinyl Bench	•		•			•	•	•	•
SEDAN	Sport Cloth Bench	•	•	•						
	Vinyl Bench	•		•						

Seat and Fabric Applications (Malibu Classic)

COUPE	Knit Cloth Notchback Bench		•	•	•	•				
	Vinyl Notchback Bench	•	•	•	•		•	•	•	•
	Vinyl Bucket	•		•	•		•	•	•	•
SEDAN	Knit Cloth Notchback Bench		•	•	•	•				
	Vinyl Notchback Bench	•		•						

Seat and Fabric Applications (Malibu Classic Landau)

COUPE	Knit Cloth Notchback Bench		•	•	•	•				
	Vinyl Notchback Bench	•	•	•	•		•	•	•	•
	Vinyl Bucket	•		•	•		•	•	•	•

Paint Colors

Exterior Paint Color	Color Code														
	L	U	T*												
Black	19	19	—				R		R						R
Blue, Dark (Met)	29	29	22	A		R							A		R
Blue, Light (Met)	22	22	11	R		R							A		R
Blue-Green, Dark (Met)	48	48	44	A				R					A		R
Brown (Met)	69	69	61					R					A		
Buckskin, Light	61	61	—	R				R		R			A		
Buckskin (Met)	63	63	—	R				R					A		
Cream Gold	61	61	—	R											
Firethorn (Met)	36	36	—	A				R		R			A		R
Green, Medium (Met)	44	44	11	A				R		A			A		R
Orange (Met)	78	78	11	R				R					R		
Red, Medium	72	72	11	A				R		R			A		R
Silver	13	13	—	R				R		R			R		
White, Antique	11	11	—	R		R		R		R			R		R

L=Lower U=Upper T=Two-Tone *Vinyl Roof required on Malibu Classic Landau. See Vinyl Roof Selector.

PLEASE NOTE: The exterior and interior combinations shown in the charts above and designated as recommended (R) represent the ideal combinations. Those that are shown as acceptable (A) are attractive, but less desirable than the recommended combinations.

Vinyl Roof Applications

Vinyl Roof Colors	PAINT COLORS	
	Recommended	Acceptable
Black	11, 13, 19, 22, 59, 61, 63, 75	29, 36, 44, 48, 72
Blue	11, 22, 29	
Buckskin	11, 19, 48, 61, 63, 69, 78	36, 44, 72
Firethorn	36	11
Green	11, 44, 48	
Silver	13, 19	11, 29, 36, 72
White	All Except 13	13

For those who demand value for what they have to spend, Chevelle is a smart money car.

Ride and maneuverability.

What has made Chevelle such an impressive value for all these years? Careful blending of so many good things. Take, for instance, its comfort, solid ride and good feel on the highway. Yet manipulate Chevelle into a parking spot and you'll appreciate its intermediate size that's neither too big nor too small.

Chassis and suspension.

Try Chevelle and we think you'll agree that it has both fine ride and a great feel on the road. A few of the features contributing to these characteristics are Full Coil suspension with springs computer selected to match each car's weight and available equipment, along with a front ride stabilizer, rugged perimeter-type frame and cushioned body mounting system.

Engineering geared to excellent operation.

With Chevelle you get engineering designed for excellent operation as well as clean air and quick starts. Included are High Energy Ignition for responsive ignition performance and a catalytic converter that handles most of the emissions control so engines can be tuned for good overall performance.

Long maintenance intervals.

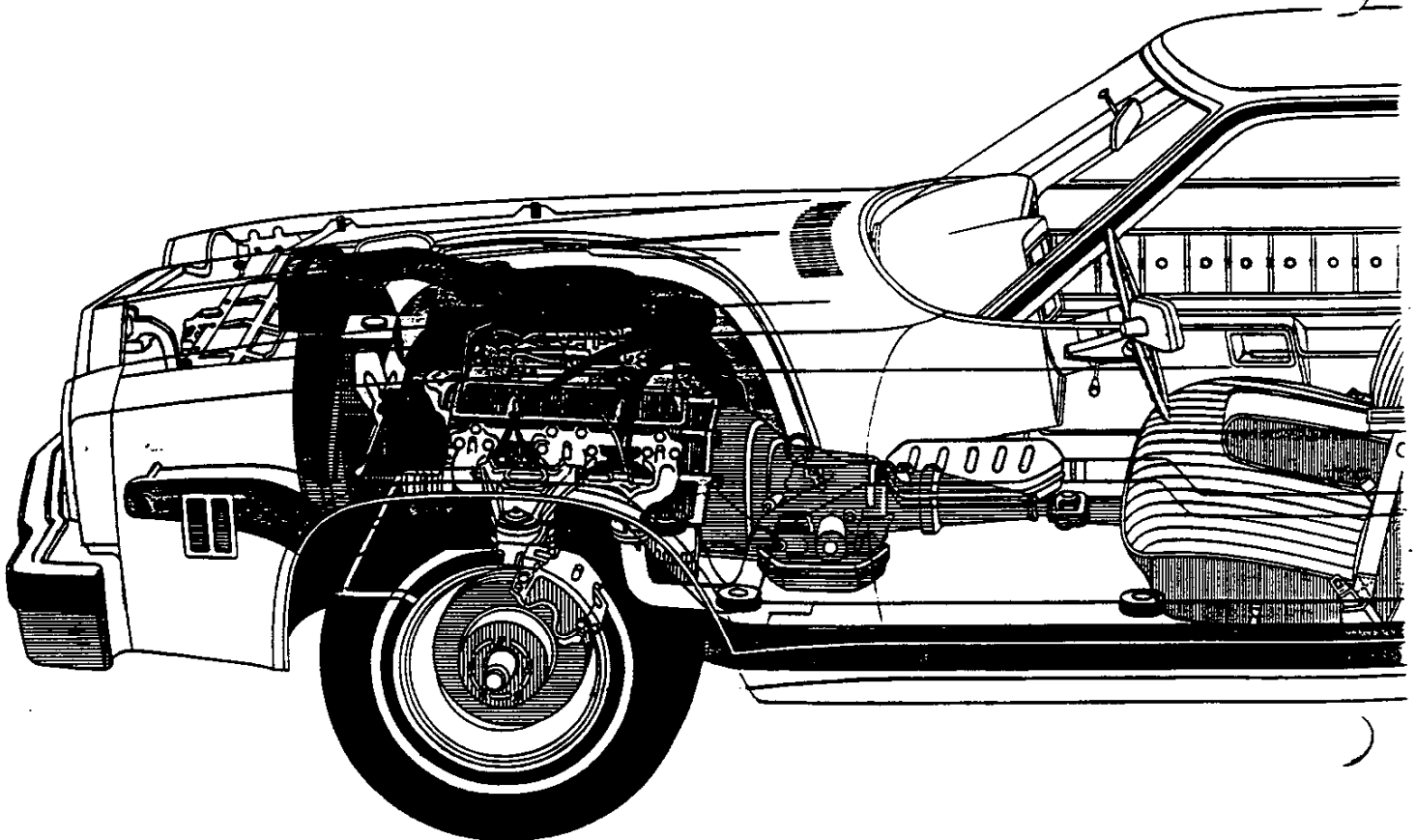
Economy of operation is one of Chevelle's strong points, typified by long service intervals. It's recommended, for instance, that engine oil changes and chassis lubrication be made every six months or 7,500 miles. And oil filters should be changed after the first 7,500 miles and every 15,000 miles thereafter. Spark plugs should last for up to 22,500 miles and automatic transmission fluid for 60,000 miles. For complete details, see Owner's Manual.

As tough as it is beautiful.

For a smart money car like Chevelle, being beautiful isn't enough. Under the hood and elsewhere are features that add to the car's dependable operation.

Radial ply tires (fiberglass belted for 6-cylinder models, steel-belted required for V8 models) offer low rolling resistance and impressive traction in snow and on wet roads. Front disc brakes resist fading and are self-adjusting. Finned rear brake drums help brakes dissipate heat and also are self-adjusting. Audible wear sensors sound when front disc linings need replacing.

Look forward, too, to the available Turbo Hydra-matic transmission (standard on Malibu Classic Sedan) that automatically shifts for you.



standard with the six-cylinder engine and fully synchronized 3-Speed manual transmission. See Power Team chart for details.

And expect even more. Protective fenders, front and rear, help fight the coolant recovery system to prevent costly coolant loss. You get a Delcotron generator with built-in solid-state regulator, plus a sealed side-terminal battery that minimizes buildup of corrosion on terminals. Ball joint wear indicators are mounted on the front suspension lower control arms. And there's also a 16-gallon fuel tank.

Acrylic finish.

Known for its lustrous finish, Buick's Magic-Mirror acrylic finish comes in a choice of 14 exterior colors. Pick your favorite.

- Antique white Silver Black
- Light blue metallic
- Dark blue metallic
- Firethorn metallic
- Medium green metallic
- Dark blue-green metallic
- Cream gold Light buckskin
- Buckskin metallic
- Brown metallic
- Medium red Orange metallic

Power teams.

Engine	Power Rating*	Engine Usage	3-Speed Manual (1)	Turbo Hydra-matic (2,3)
250-1 bbl. Six	110	Standard	2.73† Standard 3.08† Avail. (4)	2.73† Standard 3.08† Avail. (4,5)
305-2 bbl. V8 (6)	145	Avail.	NA	2.55†
350-4 bbl. V8 (6)	170	Avail.	NA	2.55† Standard 3.08† Avail. (4,7)

*SAE net (as installed) rating. NA—Not available. †Axle ratio.

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

(1) Not available in California or with High-Altitude Emission Equipment. (2) Required in California and with High-Altitude Emission Equipment. (3) Standard on Malibu Classic 4-Door Sedan. (4) Performance ratio. (5) Included with High-Altitude Emission Equipment, California Emission Equipment and with air conditioning on Malibu Classic Sedan. (6) Requires Turbo Hydra-matic, power brakes and power steering. (7) Included with High-Altitude Emission Equipment.

Exterior dimensions.

Wheelbase: coupe—112"; sedan—116".
Length: coupe—205.7"; sedan—209.7". Width: 76.9". Loaded height: coupe—53.3"; sedan—54.0". Tread: front—61.5"; rear—60.7".

Safety and security features.

Occupant protection.

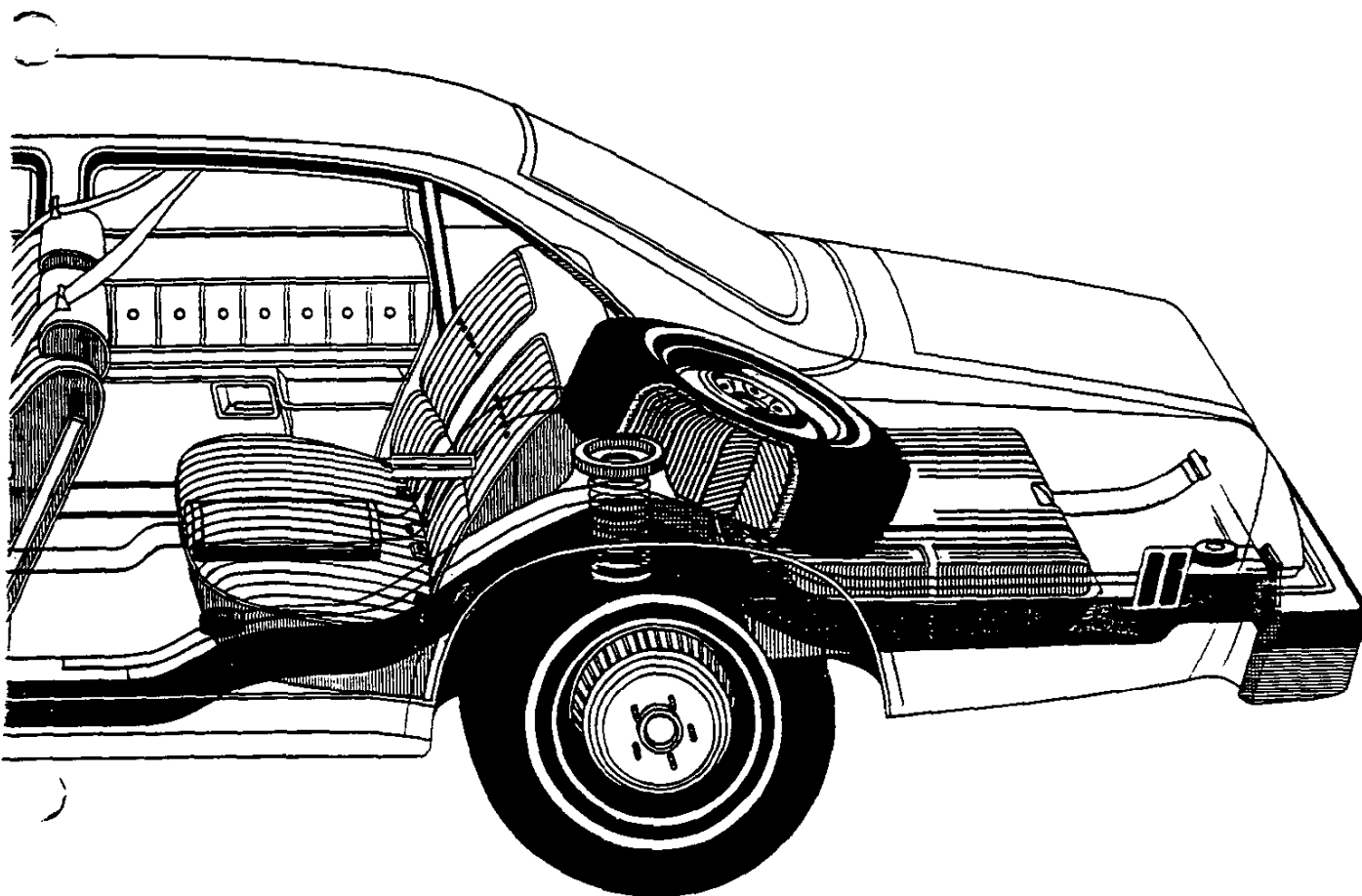
- Seat belts with pushbutton buckles for all passenger positions
- Two front combination seat and inertia reel shoulder belts for driver (with reminder light and buzzer) and right front passenger
- Energy-absorbing steering column
- Safety steering wheel
- Passenger guard door locks
- Safety door latches and hinges
- Folding seat back latches
- Energy-absorbing padded instrument panel and front seat back tops
- Contoured windshield header
- Thick-laminate windshield
- Safety armrests.

Accident prevention.

- Side marker lights and reflectors
- Parking lamps that illuminate with headlights
- Four-way hazard warning flasher
- Lane-change feature in direction signal control
- Backup lights
- Windshield defrosters, washers and dual-speed wipers
- Wide-view inside day-night mirror (vinyl-edged, shatter-resistant glass and deflecting supports)
- Outside rearview mirror
- Dual master cylinder brake system with warning light
- Starter safety switch
- Dual-action safety hood latch.

Anti-theft.

- Ignition-key reminder buzzer
- Steering column lock.



ALPHABETICAL OPTION INDEX

(Not for Ordering Purposes)

Option Number	Description	Option Number	Description
AK1	BELTS, DELUXE: Color-Keyed Seat and Shoulder	455	STOWAWAY SPARE TIRE
A04	3-SEAT WAGON (Model Option)	PR2	WHEEL TRIM: Wheel Covers, Sport
AU3	DOOR LOCK SYSTEM, POWER	PC1	WHEEL TRIM: Wheel Covers, Full
AU6	TAILGATE RELEASE, POWER	QBU	TIRES: FR78-15/B Blackwall (Radial)
A01	GLASS, SOFT-RAY TINTED: All Windows	QBW	TIRES: FR78-15/B White Stripe (Radial)
A20	WINDOWS: Swing-Out Rear Side	QBY	TIRES: FR78-15/B Blackwall (Radial)
A31	WINDOWS: Power	QCF	TIRES: FR78-15/B Blackwall (Radial)
A42	SEAT, POWER: Six-Way	QCY	TIRES: FR78-15/B White Stripe (Radial)
A90	TRUNK OPENER, POWER	QCY	TIRES: FR78-15/B White Striped (Radial)
✓BX3	ESTATE EQUIPMENT	QDP	TIRES: FR78-15/B White Stripe (Radial)
B37	FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear	QDU	TIRES: FR78-15/B Blackwall (Radial)
B44	FLOOR COVERING: Carpet, Removable Load Floor	QEL	TIRES: HR78-15/B White Stripe (Radial)
B84	MOLDINGS: Body Side	OKM	TIRES: FR78-15/B Blackwall (Radial)
B93	MOLDINGS: Door Edge Guard	OKN	TIRES: FR78-15/B White Stripe (Radial)
CD4	WINDSHIELD WIPER SYSTEM: Intermittent	UA1	BATTERY, HEAVY-DUTY
C50	DEFOGGER, REAR WINDOW: Forced Air	UF7	ECONOMINDER GAUGE PACKAGE
C51	AIR DEFLECTOR, REAR WINDOW	UM1	RADIO EQUIPMENT: Stereo Tape System w/AM Radio
C60	AIR CONDITIONING: Four-Season	UM2	RADIO EQUIPMENT: Stereo Tape System w/AM/FM Stereo Radio
D24	CONTAINER, LITTER	U05	HORNS, DUAL
D33	MIRROR: Outside Rearview, LH Remote	U35	CLOCK: Electric
D34	MIRROR: Visor Vanity	U58	RADIO EQUIPMENT: AM/FM Stereo Radio
D35	MIRRORS: Sport, LH Remote and RH Manual	U63	RADIO EQUIPMENT: AM Radio
D55	CONSOLE	U69	RADIO EQUIPMENT: AM/FM Radio
D64	MIRROR: Visor Vanity, Illuminated	U76	RADIO EQUIPMENT: Windshield Antenna
D68	MIRRORS: Sport, Twin Remote	U30	RADIO EQUIPMENT: Speaker, Rear Seat
F40	SUSPENSION EQUIPMENT: Suspension, Heavy-Duty Front and Rear	VE5	BUMPER EQUIPMENT: Bumper Rub Strips
F41	SUSPENSION EQUIPMENT: Suspension, Sport	V01	RADIATOR, HEAVY-DUTY
G80	AXLE, REAR: Positraction	V30	BUMPER EQUIPMENT: Guards, Bumper, Front and Rear
G92	AXLE, REAR: Performance Ratio	V31	BUMPER EQUIPMENT: Guards, Bumper, Front only
J50	BRAKES, POWER	V55	CARRIER, ROOF
K30	SPEED CONTROL: Cruise-Master	✓V55	EMISSION SYSTEMS: California Emission Certification
K76	GENERATOR: 61-Amp Delcotron	Y09	EXTERIOR DECOR PACKAGE
LG3	ENGINE: 305-2 BBL V8	Z37	WHEEL TRIM: wheels, Rally
LM1	ENGINE: 350-4 BBL V8	Z19	LIGHTING, AUXILIARY
L22	ENGINE: 250-1 BBL L6	✓ZP2	EXTERIOR/INTERIOR OVERRIDE
M15	TRANSMISSION: 3-Speed Manual	Z03	LINDAU (Model Option)
M40	TRANSMISSION: Turbo Hydra-matic	114	STRIPING: White
✓NA2	EMISSION SYSTEMS: Standard Emission Equipment	134	STRIPING: Silver
✓NA6	EMISSION SYSTEMS: High Altitude Emission Equipment	154	STRIPING: Black
H33	STEERING WHEEL: Comfortilt	494	STRIPING: Green
N41	STEERING, POWER: Variable Ratio	544	STRIPING: Gold
		954	STRIPING: Buckskin

MALIBU CLASSIC LANDAU

VINYL ROOF SELECTION

Vinyl Color	Code	Exterior Color	Interior Color	Additional Charge	Standard Stripe with 703 Landau
Black	10	Black	Black	Acc: 10, 11, 12, 13, 14	Black
Blue, Dark (Met)	11	Black	Black	Acc: 10	Gold
Blue, Light	12	Black	Black	Acc: 10	Black
Buckskin, Light	13	Black	Black	Acc: 44	Silver
Buckskin, Med	14	Black	Black	Acc: 36 or 44	Buckskin
Green, Medium (Met)	15	Black	Black	Acc: 10	Gold
Green, Antique (Met)	16	Black	Black	Acc: 10	Gold
Silver	17	Black	Black	Acc: 10	Green
White	18	Black	Black	Acc: 29, 30 or 31	Black
		Black	Black	Acc: 10	Silver
		Black	Black	Acc: 10	White
		Black	Black	Acc: 10	Gold
		Black	Black	Acc: 10	White

PLEASE NOTE: If the color of stripe, as shown in the chart, is not desired, one of the following options may be ordered.
 11A=White; 13A=Silver; 19A=Black; 44A=Green; 54A=Gold; 57A=Buckskin

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired. CAUTION: Please utilize available color samples when ordering, especially when adding a third color element (Vinyl Top, Exterior Color, Interior Trim) in order to avoid undesirable combinations.

Seat, headliner and Door Trim Color	Black	Blue	Blue	Fire- thorn	Green	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Blue	Fire- thorn	Green	Black	Blue	Fire- thorn	Green

Model	Seat Type	Code	Code	Code	Code	Code	Code	Code	Code
1A037/203	Knit Cloth Notchback bench	P005	P011	P015	P019				
	Vinyl Notchback bench	V005	V006	V007	V008	V009	V010	V011	V012
	Vinyl bucket	V013	V014	V015	V016	V017	V018	V019	V020

Exterior Paint Color	Color Code	VINYL ROOF REQUIRED	SEE VINYL ROOF SELECTOR
Black	10	R	
Blue, Dark (Met)	11	R	
Blue, Light (Met)	12	R	
Blue-green, Dark (Met)	13	R	
Brown (Met)	14	R	
Buckskin, Light	13	R	
Buckskin (Met)	14	R	
Cream Gold	15	R	
Firethorn (Met)	16	R	
Green, Medium (Met)	15	R	
Orange (Met)	16	R	
Red, Medium	17	R	
Silver	17	R	
White, Antique	18	R	

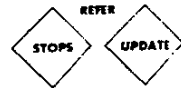
L=Lower

POWER TEAMS

Refer to text page and option A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ

ENGINE/VERSION CONDITION	Code	Code	Code
W/O VFB or VAF			
W/VFB or VAF			
W/VFS or VAG			
W/VFS or VAG			
W/VFS or VAG			
W/O VAG			
W/O VAG			
W/VAG			

MALIBU CLASSIC COUPES AND SEDANS



Model	
1AD29	Chevelle Malibu Classic Sedan (M40 Trans Std)
1AD37	Chevelle Malibu Classic Coupe

← COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

ALL EXCEPT CALIFORNIA REGISTRATION (N/A YF5)

Below 4000 Foot Altitude (REQS NA2)

L22	250-1 BBL V6	
LG3	305-2 BBL V8 (Reqs J50 Brakes and N41 Steering) (1AD37 also Reqs M40 Trans)	
LM1	350-4 BBL V8 (Reqs J50 Brakes and N41 Steering) (1AD37 also Reqs M40 Trans)	

Above 4000 Foot Altitude (REQS NA6)

L22	250-1 BBL V6 (1AD37 Reqs M40 Trans)	
LM1	350-4 BBL V8 (Reqs J50 Brakes and N41 Steering) (1AD37 also Reqs M40 Trans)	

CALIFORNIA REGISTRATION ONLY (REQS YF5)

L22	250-1 BBL V6 (1AD37 only) (Reqs M40 Trans)	
LM1	350-4 BBL V8 (Reqs J50 Brakes and N41 Steering) (1AD37 also Reqs M40 Trans)	

QUICK-SPEC

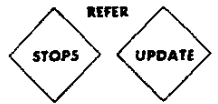
IF TIRE AND/OR TRANSMISSION IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE AND/OR TRANSMISSION OPTION.

Transmission, Turbo Hydra-matic	M40	X	X	X	X	X	
Brakes, Power	J50	X	X	X	X	X	
Tires, GR78-15/B White Stripe (OBW w/L22 Eng)	QDR	X	X	X	X	X	
Glass, Soft-Ray Tinted	A01	X	X	X	X	X	
Air Conditioning, Four-Season	C60	X	X	X	X	X	
Holdings, Body Side	B84	X	X	X	X	X	
Wheel Covers, Full	P01	X	X	X	N/INCL		
Radio, AM	U63	X	X	N/INCL			
Console (1AD37 only) (w/ Bucket Seats and M40 Trans)	D55	X	X	X	X	X	
Steering, Power	N41	X	X	X	X	X	
Holdings, Door Edge Guard	B93	X	X	X	X		
Mirror, LH Remote	D33	X	X	X			
Speaker, Rear Seat	U80	X	X	X	X		
Mats, Color-Keyed Floor	B37	X	X	X	X		
Clock, Electric	U35	X	X	X	X		
Guards, Bumper	V30	X	X	X	X		
Belts, Deluxe	AK1	X	X	X			
Steering Wheel, Comfortilt	N33	X	X	X			
Lighting, Auxiliary	Z19	X	X	X			
Radio, AM/FM	U69	X	X	X			
Horns, Dual	U05	X	X	X			
Defogger, Rear window	C50	X	X	X			
Bumper Rub Strips	VE5	X	X				
Door Lock System, Power	AU3	X	X				
Wheels, Rally	Z17	X	X				
Speed Control (w/ V8 Eng only)	K30	X	X				
Windows, Power	A31	X					
Econominder Gauge Package	UF7	X					
Mirrors, Sport LH Remote and RH Manual	D35	X					
Windshield wiper	CD4	X					

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

511	C60	AIR CONDITIONING: Four-Season (Reqs N41 Steering and J50 Brakes w/L22 Eng) (N/A YF5 Calif w/L22 Eng) (1AD29 N/A NA6 Altitude w/L22 Eng) (Incls K76 Gen)
		AXLES, REAR:
	392	--Performance Ratio (See Power Teams Chart)
	G80	--Positraction
	UA1	BATTERY, HEAVY-DUTY
513	AK1	BELTS, DELUXE: Color-Keyed Seat and Shoulder
511	J50	BRAKES, POWER
		BUMPER EQUIPMENT: Front and Rear
514	VE5	--Bumper Rub Strips
512	V30	--Guards, Bumper
512	U35	CLOCK: Electric
511	D55	CONSOLE: (1AD37 only) (Reqs Bucket Seats and M40 Trans)
	D24	CONTAINER, LITTER
513	C50	DEFOGGER, REAR WINDOW: Forced Air
514	AU3	DOOR LOCK SYSTEM, POWER
515	UF7	ECONOMINDER GAUGE PACKAGE
		EMISSION SYSTEMS: (MUST ORDER ONE)
	YF5	--California Emission Certification (N/A NA6 Altitude, M15 Trans or LG3 Eng) (1AD29 also N/A L22 Eng)
	NA6	--High Altitude Emission Equipment (N/A M15 Trans or LG3 Eng)
	NA2	--Standard Emission Equipment (N/A YF5 Calif or NA6 Altitude)
512	B37	FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear
	K76	GENERATOR: 61-Amp Delcotron (Incl w/C60 Alt)
511	A01	GLASS, SOFT-RAY TINTED: All Windows
513	U05	HORNS, DUAL
513	Z19	LIGHTING, AUXILIARY
		MIRRORS:
512	D33	--Outside Rearview, LH Remote
513	D35	--Sport, LH Remote and RH Manual
	D68	--Sport, Twin Remote
	D34	--Visor Vanity
	D64	--Visor Vanity, Illuminated
		HOLDINGS:
511	B84	--Body Side
512	B93	--Door Edge Guard
	V01	RADIATOR, HEAVY-DUTY
		RADIO EQUIPMENT:
511	U63	--AM Radio
513	U69	--AM/FM Radio
	U58	--AM/FM Stereo Radio
	UH1	--Stereo Tape System w/AM Radio
	UH2	--Stereo Tape System w/AM/FM Stereo Radio
512	U80	--Speaker, Rear Seat (Reqs U63 or U69 Radio)
	U76	--Windshield Antenna (Incl w/above Radio Equip)
	...	ROOF COVER, VINYL: (See Color and Trim Chart)
	A42	SEAT, POWER: Six-Way (N/A Bucket Seats)
514	K30	SPEED CONTROL: Cruise-Master (N/A L22 Eng)
511	N41	STEERING, POWER: Variable Ratio
513	N33	STEERING WHEEL: Comfortilt (Reqs M40 Trans)
	N65	STOWAWAY SPARE TIRE: (N/A HR78 Tires)
		SUSPENSION EQUIPMENT: Suspension
	F40	--Heavy-Duty Front and Rear (N/A F41 Susp)
	F41	--Sport (Reqs V8 Eng and GR70 Tires)
		TIRES: (B/W: Blackwall, W/S: White Stripe, W/L: White Lettered)
		--Fiberglass Belted Radial Ply (15/B)
	OKM	--FR78 B/W (Reqs L22 Eng)
	QKN	--FR75 W/S (Reqs L22 Eng)
		--Steel Belted Radial Ply (15/B)
	OBU	--FR78 B/W (Reqs L22 Eng)
511	QBW	--FR78 W/S (Reqs L22 Eng)
	QBX	--GR70 B/W (Reqs V8 Eng and F41 Susp)
	QCX	--GR70 W/S (Reqs V8 Eng and F41 Susp)
	OCY	--GR70 W/L (Reqs V8 Eng and F41 Susp)
	QCF	--GR78 B/W (Reqs V8 Eng)
	QDR	--FR78 W/S (Reqs V8 Eng)
	QDU	--FR78 B/W (Reqs V8 Eng)
	OEL	--FR78 W/S (Reqs V8 Eng)
		TRANSMISSIONS:
	M15	--3-Speed Manual (1AD37 only) (Reqs L22 Eng) (N/A YF5 Calif or NA6 Altitude)
	M40	--Turbo Hydra-matic (Std on 1AD29)
511	A90	TAIL LAMP OPENER, POWER
		WHEEL TRIM:
511	P01	--Wheel Covers, Full
514	Z17	--Wheels, Rally
	P82	--Wheel Covers, Sport
515	A31	WINDOWS: Power
513	CD4	WINDSHIELD WIPER SYSTEM: Intermittent

MALIBU COUPES AND SEDANS



Model

1AC29 Chevelle Malibu Sedan
1AC37 Chevelle Malibu Coupe

← COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

ALL EXCEPT CALIFORNIA REGISTRATION (N/A YF5)

Below 4000 Foot Altitude (REQS NA2):
 L22 250-1 BBL L6
 LG3 305-2 BBL V8 (Reqs M40 Trans, J50 Brakes and N41 Steering)
 LH1 350-4 BBL V8 (Reqs M40 Trans, J50 Brakes and N41 Steering)

Above 4000 Foot Altitude (REQS NA6):
 L22 250-1 BBL L6 (Reqs M40 Trans)
 LM1 350-4 BBL V8 (Reqs M40 Trans, J50 Brakes and N41 Steering)

CALIFORNIA REGISTRATION ONLY (REQS YF5)

L22 250-1 BBL L6 (Reqs M40 Trans)
 LM1 350-4 BBL V8 (Reqs M40 Trans, J50 Brakes and N41 Steering)

QUICK-SPEC

IF TIRE AND/OR TRANSMISSION IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE AND/OR TRANSMISSION OPTION.

Transmission, Turbo Hydra-matic	M40	X	X	X	X
Brakes, Power	J50	X	X	X	X
Radio, AM	U63	X	X	X	X
Tires, GR78-15/B White Stripe (QBW w/L22 Eng)	QDR	X	X	X	X
Wheel Covers, Full	P01	X	X	X	X
Steering, Power	N41	X	X	X	X

Glass, Soft-Ray Tinted	A01	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X
Exterior Decor Package	YJ9	X	X	X	X
Mats, Color-Keyed Floor	B37	X	X	X	X
Moldings, Body Side	B84	X	X	X	X

Moldings, Door Edge Guard	B93	X	X	X	X
Mirror, LH Remote	D33	X	X	X	X
Clock, Electric	U35	X	X	X	X
Defogger, Rear window	C50	X	X	X	X
Guards, Bumper	V30	X	X	X	X

Belts, Deluxe	AK1	X	X		
Speaker, Rear Seat	U80	X	X		
Horns, Dual	U05	X	X		
Bumper Rub Strips	VE5	X	X		

Radio, AM/FM	U69	X			
Lighting, Auxiliary	ZJ9	X			
Steering wheel, Comfortilt	N33	X			
Econominder Gauge Package	UF7	X			

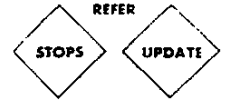
PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
532	C60 AIR CONDITIONING: Four-Season (Reqs N41 Steering and J50 Brakes w/L22 Eng) (1AC29 also Reqs M40 Trans w/L22 Eng) (N/A YF5 Calif w/L22 Eng) (Incls K76 Eng)
	AXLES, REAR:
	G92 --Performance Ratio (See Power Teams Chart)
	G80 --Positraction
	UA1 BATTERY, --HEAVY-DUTY
534	AK1 BELTS, DELUXE: Color-Keyed Seat and Shoulder
531	J50 BRAKES, POWER

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
	BUMPER EQUIPMENT: Front and Rear
534	VE5 --Bumper Rub Strips
533	V30 --Guards, Bumper
533	U35 CLOCK, Electric
	U24 CONTAINER, LITTER
533	C50 DEFOGGER, REAR WINDOW: Forced Air
	AU3 DOOR LOCK SYSTEM, POWER
535	UF7 ECONOMINDER GAUGE PACKAGE
	EMISSION SYSTEMS: (MUST ORDER ONE)
	YF5 --California Emission Certification (N/A NA6 Altitude, M15 Trans or LG3 Eng)
	NA6 --High Altitude Emission Equipment (N/A M15 Trans or LG3 Eng)
	NA2 --Standard Emission Equipment (N/A YF5 Calif or NA6 Altitude)
532	YJ9 EXTERIOR DECOR PACKAGE
532	B37 FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear
	K76 GENERATOR: 61-Amp Delcotron (Incl w/C60 Air)
532	A01 GLASS, SOFT-RAY TINTED: All Windows
534	U05 HORNS, DUAL
535	ZJ9 LIGHTING, AUXILIARY
	MIRRORS:
533	D33 --Outside Rearview, LH Remote
	D35 --Sport, LH Remote and RH Manual
	D68 --Sport, Twin Remote
	D34 --Visor Vanity
	D64 --Visor Vanity, Illuminated
	MOLDINGS:
532	B84 --Body Side
532	B93 --Door Edge Guard
	V01 RADIATOR, HEAVY-DUTY
	RADIO EQUIPMENT:
531	U63 --AM Radio
535	U69 --AM/FM Radio
	U58 --AM/FM Stereo Radio
	UM1 --Stereo Tape System w/AM Radio
	UM2 --Stereo Tape System w/AM/FM Stereo Radio
534	U80 --Speaker, Rear Seat (Reqs U63 or U69 Radio)
	U76 --Windshield Antenna (Incl w/above Radio Equip)
	... ROOF COVER, VINYL: (See Color and Trim Chart)
	A42 SEAT, POWER: Six-Way
	K30 SPEED CONTROL: Cruise-Master (N/A L22 Eng)
531	N41 STEERING, POWER: Variable Ratio
535	N33 STEERING WHEEL: Comfortilt (Reqs M40 Trans)
	N65 STOWAWAY SPARE TIRE: (N/A HR78 Tires)
	SUSPENSION EQUIPMENT: Suspension
	F40 --Heavy-Duty Front and Rear (N/A F41 Susp)
	F41 --Sport (Reqs V8 Eng and GR70 Tires)
	TIRES: (B/W: Blackwall, W/S: White Stripe, W/L: White Lettered)
	--Fiberglass Belted Radial Ply (15/B)
	OKM ---FR78 B/W (Reqs L22 Eng)
	OKN ---FR78 W/S (Reqs L22 Eng)
	--Steel Belted Radial Ply (15/B)
	OBW ---FR78 B/W (Reqs L22 Eng)
	OBW ---FR78 W/S (Reqs L22 Eng)
	OBX ---GR70 B/W (Reqs V8 Eng and F41 Susp)
	OCX ---GR70 W/S (Reqs V8 Eng and F41 Susp)
	OCY ---GR70 W/L (Reqs V8 Eng and F41 Susp)
	OCF ---GR78 B/W (Reqs V8 Eng)
531	QDR ---GR78 W/S (Reqs V8 Eng)
	ODU ---HR78 B/W (Reqs V8 Eng)
	QEL ---HR78 W/S (Reqs V8 Eng)
	TRANSMISSIONS:
	M15 --3-Speed Manual (Reqs L22 Eng) (N/A YF5 Calif or NA6 Altitude)
531	M40 --Turbo Hydra-matic
	A90 TRUNK OPENER, POWER
	WHEEL TRIM:
531	P01 --Wheel Covers, Full
	ZJ7 --Wheels, Rally
	PE2 --Wheel Covers, Sport
	A31 WINDOWS: Power
	CD4 WINDSHIELD WIPER SYSTEM: Intermittent

MALIBU WAGONS AND MALIBU CLASSIC WAGONS



Model

- 1AC35 Chevelle Malibu
2-Seat Station Wagon
- 1AC35/104 Chevelle Malibu
3-Seat Station Wagon
- 1AD35 Chevelle Malibu Classic
2-Seat Station Wagon
- 1AC35/404 Chevelle Malibu Classic
2-Seat Station Wagon
- ___ 404 3-Seat Station Wagon (Incls Vinyl Tiled Seat)

← COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

ALL EXCEPT CALIFORNIA REGISTRATION (N/A YF5)

Below 4000 Feet Altitude (REQS NA2)

- ___ L71 305-2 BBL V6 (1AC35 only)
- ___ L71 350-4 BBL V8

Above 4000 Feet Altitude (REQS NA6)

- ___ L71 350-4 BBL V8

CALIFORNIA REGISTRATION ONLY (REQS YF5)

- ___ L71 350-4 BBL V8

QUICK-SPEC

**IF TIRE IN QUICK-SPEC IS NOT DESIRED
YOU MUST "PLUS" ANOTHER TIRE OPTION.**

	5	5	5	5	5
	2	2	2	2	2
	1	2	3	4	5
	A	A	C	C	C

Glass, Soft-Ray Tinted	A01	X	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X	X
Wheel Covers, Full	P01	X	X	X	X	X
✓ Moldings, Body Side (1AD35 only)	B84	X	X	N/INCL		
Carrier, Roof	V55	X	X	X	X	Y
Radio, AM	U63	X	X	X	N/INCL	
Tires, P-79-15/B White Stripe	OEL	X	X	X	Y	X
Console (1AD35 only) (w/ Bucket Seats)	D55	Y	X	X	Y	Y
Tailgate Release, Power	AU6	X	X	X	Y	Y

Mirror, LH Remote	D33	X	Y	Y	Y	
Mats, Color-Keyed Floor	B37	X	X	X	Y	
✓ Moldings, Door Edge Guard	B93	X	N/INCL			
Belts, Deluxe	AK1	X	X	X	Y	
Clock, Electric	U35	X	X	X	Y	
Guards, Bumper	V31	Y	X	Y	Y	
Exterior Decor Package (1AC35 only)	YJ9	X	X	Y	Y	

Air Deflector, Rear Window	C51	Y	Y	Y		
Speaker, Rear Seat	U80	Y	Y	Y		
Steering Wheel, Comfortlit	N33	Y	Y	Y		
Defogger, Rear Window	C50	Y	Y	Y		
Door Lock System, Power	AU3	Y	Y	Y		
Speed Control	K30	Y	Y	Y		
Estate Equipment (1AD35 only)	RX3	Y	Y	Y		

Lighting, Auxiliary	ZJ9	Y	Y			
Radio, AM/FM	U69	Y				
Carpet, Removable Load Floor	B44	Y	Y			
Bumper Rub Strips	VE5	Y				
Windows, Power	A31	Y	Y			
Horns, Dual	U05	Y	Y			

Econominder Gauge Package	UF7					
Seats, Power (N/A Bucket Seats)	A42					
Mirror, Visor Vanity	D34					
Windshield Wiper	OD4					
Container, Litter	O24					

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

___ 404	3-Seat Station Wagon
___ 404	AIR CONDITIONING: Four-Season (Incls M7F Gen)
___ 404	AIR DEFLECTOR, REAR WINDOW AXLES, REAR:
___ 404	--Performance Ratio (See Power Teams Chart)
___ 404	--Positraction
___ 404	BATTERY, HEAVY-DUTY
___ 404	BELTS, DELUXE: Color-Keyed Seat and Shoulder BUMPER EQUIPMENT:
___ 404	--Bumper Rub Strips, Front and Rear
___ 404	--Guards, Bumper, Front only
___ 404	CARRIER, ROOF
___ 404	CLOCK: Electric
___ 404	CONSOLE: (1AD35 only) (Pans Bucket Seats)
___ 404	CONTAINER, LITTER
___ 404	DEFOGGER, REAR WINDOW: Forced Air
___ 404	DOOR LOCK SYSTEM, POWER
___ 404	ECONOMINDER GAUGE PACKAGE
___ 404	EMISSION SYSTEMS: (MUST ORDER ONE)
___ 404	--California Emission Certification (N/A NA6 Altitude or L93 Eng)
___ 404	--High Altitude Emission Equipment (N/A L93 Eng)
___ 404	--Standard Emission Equipment (N/A YF5 Calif or NA6 Altitude)
___ 404	EXTERIOR DECOR PACKAGE: (1AC35 only)
___ 404	FLOOR COVERING:
___ 404	--Carpet, Removable Load Floor
___ 404	--Mats, Color-Keyed Floor, Front and Rear
___ 404	GENERATOR: 51-Amp Delcotron (Incl w/O60 A/F)
___ 404	GLASS, SOFT-RAY TINTED: All Windows
___ 404	HORNS, DUAL
___ 404	LIGHTING, AUXILIARY
___ 404	MIRRORS:
___ 404	--Outside Rearview, LH Remote
___ 404	--Sport, LH Remote and RH Manual
___ 404	--Sport, Twin Remote
___ 404	--Visor Vanity
___ 404	--Visor Vanity, Illuminated
___ 404	✓ MOLDINGS: (N/A RX3 Estate Equip)
___ 404	--Body Side
___ 404	--Door Edge Guard
___ 404	RADIATOR, HEAVY-DUTY
___ 404	RADIO EQUIPMENT:
___ 404	U5 --AM Radio
___ 404	U69 --AM/FM Radio
___ 404	U63 --AM/FM Stereo Radio
___ 404	U41 --Stereo Tape System w/AM Radio
___ 404	U42 --Stereo Tape System w/AM/FM Stereo Radio
___ 404	U60 --Speaker, Rear Seat (Reqs U63 or U69 Radio)
___ 404	U76 --Windshield Antenna (Incl w/above Radio Equip)
___ 404	SEAT, POWER: Six-way (N/A Bucket Seats)
___ 404	SPEED CONTROL: Cruise-Master
___ 404	STEERING WHEEL: Comfortlit
___ 404	TAILGATE RELEASE, POWER: (Incl on 3-Seat Station Wagon)
___ 404	TIRES: (N/A: Blackwall), (S: White Stripe) --Steel Belted Radial P14 (15/13)
___ 404	U60 --P14 (15/13) (Base)
___ 404	U61 --P14 (15/13)
___ 404	WHEEL TRIM:
___ 404	P01 --Wheel Covers, Full
___ 404	P02 --Wheels, Full
___ 404	P03 --Wheel Covers, Sport
___ 404	WINDOWS:
___ 404	U4 --Power
___ 404	U01 --Swing-Out Rear Side Lids on 3-Seat Station Wagon
___ 404	WINDSHIELD WIPER SYSTEM: intermittent

NOTES

GENERAL

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SERIAL NUMBERS AND IDENTIFICATION 3

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EL CAMINO "S" OPTION 19

THREE SEAT STATION WAGON OPTION 20

MALIBU CLASSIC OPTION 21

AIR CONDITIONING EQUIPMENT 22

MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS. OR SEATS
A-CAR	MALIBU	4-Dr. Sedan	1AC29	6
		2-Dr. Coupe	1AC37	6
		4-Dr. Station Wagon	1AC35	2-Seat*
	MALIBU CLASSIC	4-Dr. Sedan	1AD29	6
		2-Dr. Coupe	1AD37	6
		4-Dr. Station Wagon	1AD35	2-Seat*
	EL CAMINO	2-Dr. Sedan Pickup	1AC80	3
	EL CAMINO CLASSIC	2-Dr. Sedan Pickup	1AD80	3

* Third seat available as RPO AQ4 station wagons.

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

| C | 35 | L | 7 | B | 400001

Sequential Number
 Assembly Plant (*)
 Model Year 1977
 Engine Type (**)
 Body style (last two digits of model number)
 Car line and Series (***)
 Make ("1" for Chevrolet)

- *B - Baltimore-GMAD R - Arlington-GMAD
- D - Doraville-GMAD Z - Fremont-GMAD
- Canadian Plant
- No. 2 Oshawa
- **D - L6-250 (110 H.P.) L - V8-350 (170 H.P.)
- U - V8-305 (145 H.P.)
- ***C - Malibu Models
- D - Malibu Classic Models

EXAMPLE: The twenty-fifth Chevelle vehicle built at GMAD Baltimore if it were a 1AC35 model (Malibu Station Wagon) with a (V8-350, 170 H.P.) engine would bear VIN Number 1C35L7B400025.

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

TRANSMISSION IDENTIFICATION

Example: S7E01

Type Designation	Source Designation	Model Year	Production ^o Month & Date
ZC	S (Muncie)	7	E01D*
ZC	3-Speed	L-6 engine	S - Muncie
AD	Turbo Hydra-matic	L-6 engine	D - Parma Y - Toledo
AF	Turbo Hydra-matic	V-8 engine	D - Parma Y - Toledo

Location:
 3-Speed Stamped on, top right hand side of transmission case.
 Turbo Hydra-matic Stamped on right side of transmission, above filler plug.

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

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

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

ENGINE IDENTIFICATION

Example: F1210CCD

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

250 Cubic Inch L-6, Base Engine

- CCD - Regular engine, 3-speed
- CCF - Regular engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch V8, (RPO LG3)

- CPY - Regular engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch V-8 (RPO LM1)

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

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

- CB - 2.56 Axle
- CC - 2.73 Axle
- CF - 3.08 Axle

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

See Power Train Section for additional information.

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT

	MALIBU	MALIBU CLASSIC
FRONT		
Radiator Grille – Light Weight Chrome Grille	X	X
Radiator Grille Bright Outline Moldings	X	X
Painted Headlamp Bezels	X	
Bright Headlamp Bezels		X
Parking Lamp in Front Bumpers – Amber Lens and White Bulb	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
Radiator Grille Header Nameplate – “Chevelle”	X	X
Header Panel Ornament		X
SIDE		
Lower Body Side Molding		X
Front Fender Nameplate	“Malibu”	“Malibu Classic”
Bright Head Belt Molding	X	X
Bright Rear View Mirror – LH	X	X
Bright Door Corner Moldings	X	X
Bright Aluminum Hub Caps	X	X
Body Color Wheels	X	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
Roof Drip Moldings		X
Wheel Opening Moldings		X
REAR		
Rear Body Panel Nameplate – “Chevelle”	X	X
Bright Rear Window Reveal Molding	X	X
Argent Tail Lamp Rings	X	
Bright Tail Lamp Rings		X
Single Mounted Tail Lamps on Body Rear Panel	X	X
Rear Right Hand Quarter Extension Panel Nameplate – “Chevrolet”	X	X

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT STATION WAGONS

	MALIBU	MALIBU CLASSIC
FRONT		
Radiator Grille - Light Weight Chrome Grille	X	X
Bright Radiator Grille Outline Molding	X	X
Bright Headlamp Bezels	X	X
Bright Hood Molding (at Cowl)	X	X
Bright Windshield Reveal Molding	X	X
Radiator Grille Nameplate - "Chevelle"	X	X
Depressed Park Windshield Wipers with Articulated Left Blade	X	X
Parking Lamps in Bumpers - Amber Lens, White Bulb	X	X
Header Panel Ornament		X
SIDE		
Bright Belt Bead Molding	X	X
Bright Rear View Mirror - LH	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
Bright Quarter Reveal Moldings	X	X
Fender Nameplate - Bright	"Malibu"	"Malibu Classic"
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
Wheel Opening Moldings		X
Roof Drip Moldings		X

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT STATION WAGONS

REAR	MALIBU	MALIBU CLASSIC
Liftgate Nameplate - "Chevelle"	X	X
Liftgate Window Reveal Molding	X	X
Bright Liftgate Handle	X	X
Tail Lamps Mounted in Bumper	X	X
Backup Lamps Mounted in Bumper - Inboard of Tail Lamps	X	X

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT EL CAMINO

	EL CAMINO	CLASSIC
FRONT		
Radiator Grille - Light Weight Chrome Grille	X	X
Bright Radiator Grille Outline Moldings	X	X
Painted Headlamp Bezels	X	
Bright Headlamp Bezels		X
Parking Lamps in Bumper	X	X
Radiator Grille - Header Emblem	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
SIDE		
Front Fender Nameplate - "El Camino"	X	X
Bright Belt Bead Molding	X	X
Bright LH Outside Rear View Mirror	X	X
Bright Hub Caps	X	X
Bright Lift Bar Door Handles	X	X
Bright Door Corner Molding	X	X
Body Color Wheels	X	X
Lower Body Side Molding		X
Front Fender Nameplate "Classic"		X
Wheel Opening Moldings		X
Roof Drip Moldings		X
REAR		
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 COUPES AND SEDAN

	MALIBU	MALIBU CLASSIC
ROOF AND PILLARS		
Headlining Vinyl Coated, "Premier" Perforated	X	X
Rear View Mirror, 12" Prismatic - Textured Black Metal Vinyl Clad	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted	X	X
Sunshade, Padded, Non-Hook	X	X
Roof Side Rail Garnish Moldings - Plastic	X	X
Rear Window Moldings - Plastic	X	X
Rear Window Upper and Side Moldings - Plastic	X	X
Windshield Garnish Molding - Painted Plastic	X	X
Center Pillar Lower Finish Panel, Molded Plastic	29	29
Center Pillar Upper Molding - Molded Plastic	29	29
Rear Quarter Upper Trim Panel, Molded Plastic	X	X
Coat Hooks, Plastic - Trim Color	X	X
Center Dome Light - Plastic Lens	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar	-	X

1977
Chevrolet

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT COUPE AND SEDAN

	MALIBU	MALIBU CLASSIC
SEATS AND FLOOR COVERING		
Front and Rear Seat Cushion and Backrest, Full Molded Foam	X	X
Three Point Front Seat Outboard Belt System (Lap and Shoulder)		
Locking Lap Belt Retractors, Inertial Reel Type Shoulder		
Belt Retractors, Black	X	X
Black Rear Seat Lap Belts (3-Sets) Locking Outer Retractors	X	X
Front Seat Center Lap Belt, Black	X	X
Front Seat Head Restraints	X	X
Front Seat Center Armrest	-	X
Front Seat Backrest End Molding - Bright	-	X
Package Shelf Embossed Board	-	X
Package Shelf Woven Fiber Board	X	-
Carpet, Floor Covering - Nylon Cut Pile	X	X
 DOOR AND QUARTER PANEL		
Plastic Molded Front Door Lower Trim Panel, W/Armrest	X	X
Plastic Molded Door Upper Trim Panel	X	-
Plastic Molded Rear Door Lower Trim Panel, W/Armrest With Ash Tray	29	29
Soft Trim Door Upper Panel	-	X
Pull Type Door Handle	X	X
Rear Quarter Panel Built-in Armrest and Ash Tray	37	37
Window Control Handle Knobs, Clear Plastic	X	X
Door Lock Buttons - Bright	X	X
Burl Elm Woodgrain Door Panel Inserts	X	-
Front and Rear Door Locks 2-Position Free Wheeling	X	X
Front Door Pull Strap	-	X
Rear Quarter Sidewalls - Molded Plastic	X	-
Rear Quarter Sidewalls - Vinyl Trimmed	-	X
 LUGGAGE AREA AND MISC.		
Luggage Compartment Spatter Paint	X	X
Turn Signal and Shift Lever Knobs - Black	X	X
Steering Column Ignition Lock	X	X
Dual Horns		37*
Single Horns	X	29
 *With RPO - Z03		

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT COUPE AND SEDAN

	MALIBU	MALIBU CLASSIC
INSTRUMENT PANEL AND STEERING COLUMN		
General Cluster Lighting – Blue Tint	X	X
Glove Compartment Light		X
Warning Lights – Temperature, Generator, Oil Pressure, Brakes, Seat Belts	X	X
Indicators – Hi-Beam, Turn Signal and Hazard Flashers	X	X
Two-Speed W/S Wiper and Washer – Slide Type, Depress to Wash, Bright Knob, Switch Illuminated	X	X
Ash Tray	X	X
Heater – Slide Type Controls, Bright Knobs, Illuminated	X	X
Light Switch – Bright Knob	X	X
Cigarette Lighter – Black Knob	X	X
100 MPH (160 KPH) Speedometer – Odometer	X	X
Fuel Gauge (“Unleaded Fuel Only”)	X	X
Glove Compartment Door Lock	X	X
Black “T” Handle Parking Brake Release	X	X
Black “T” Handle Interior Hood Release	X	X
Trim Color Instrument Panel Pad	X	X
Clock Hole Cover Plate	X	X
Black Color Steering Wheel, Column and Instrument Cluster	X	
Color Keyed Steering Wheel, Column and Instrument Cluster		X
Wood Grain on Instrument Cluster		X
Soft Vinyl Steering Wheel and Shroud with Wood Grain Insert and “Chevrolet” Nameplate	X	X
Black Hazard Flasher Knob	X	X
Black Soft Turn Signal and Shift Lever Knobs	X	X
Steering Column Ignition Switch with Integral Steering and Transmission Lock	X	X
Plastic Cowi Kick Pads	X	X
Instrument Panel Nameplates	X	X
GLASS		
Laminate Safety Plate Glass Windshield (Thin Design)	X	X
Safety Solid Tempered Plate Side Glass	X	X
Safety Solid Tempered Plate Rear Window	X	X

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT STATION WAGONS

ROOF AND PILLARS	MALIBU	MALIBU CLASSIC
Headlining Vinyl Coated, "Premier" Perforated	X	X
Rear View Mirror, 12" Prismatic-Textured Black Metal Vinyl Clad	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted	X	X
Sunshade, Padded, Non-Hood	X	X
Roof Side Rail Garnish Moldings - Plastic	X	X
Windshield Garnish Molding - Painted Plastic	X	X
Center Pillar Lower Finish Panel, Molded Plastic	X	X
Center Pillar Upper Molding - Molded Plastic	X	X
Coat Hooks, Plastic - Trim Color	X	X
Center Dome Light - Plastic Lens	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar	-	X

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT STATION WAGONS

	MALIBU	MALIBU CLASSIC
SEATS AND FLOOR COVERING		
Front and Rear Seat Cushion and Backrest, Full Molded Foam	X	X
Optional - Third Seat Cushion and Backrest, Full Molded Foam	X	X
Three Point Front Seat Outboard Belt System (Lap and Shoulder)		
Locking Lap Belt Retractors, Inertial Reel Type Shoulder		
Belt Retractors, Black	X	X
Black Rear Seat Lap Belts (3-Sets) Locking Outer Retractors	X	X
Optional Seat - Third Seat Lap Belts (2-Sets)	X	X
Front Seat Center Lap Belt, Black	X	X
Front Seat Head Restraints	X	X
Front Seat Center Armrest	-	X
Front Seat Backrest End Molding - Bright	-	X
Carpet, Floor Covering - Nylon Cut Pile	X	X
 DOOR AND QUARTER PANEL		
Plastic Molded Front Door Lower Trim Panel, W/Armrest	X	X
Plastic Molded Door Upper Trim Panel	X	-
Plastic Molded Rear Door Lower Trim Panel, W/Armrest With Ash Tray	X	X
Soft Trim Door Upper Panel	-	X
Pull Type Door Handle	X	X
Window Control Handle Knobs, Clear Plastic	X	X
Door Lock Buttons - Bright	X	X
Burl Elm Woodgrain Door Panel Inserts	X	-
Front and Rear Door Locks 2-Position Free Wheeling	X	X
Rear Quarter Sidewalls - Molded Plastic	X	-
Rear Quarter Sidewalls - Vinyl Trimmed	-	X
 LUGGAGE AREA AND MISC.		
Load Floor - Vinyl Coated Textured Metal		X
Load Floor - Spatter Paint	X	
Storage Compartment Mat - Needled Rayon	-	X
Turn Signal and Shift Lever Knobs - Black	X	X
Steering Column Ignition Lock	X	X
Single Horn	X	X

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT STATION WAGONS

	MALIBU	MALIBU CLASSIC
INSTRUMENT PANEL AND STEERING COLUMN		
General Cluster Lighting - Blue Tint	X	X
Glove Compartment Light		X
Warning Lights - Temperature, Generator, Oil Pressure, Brakes		
Seat Belts	X	X
Indicators - Hi-Beam, Turn Signals and Hazard Flashers	X	X
Two Speed W/S Wiper and Washer - Slide Type, Depress to Wash -		
Bright Knob, Illuminated Switch	X	X
Ash Tray	X	X
Heater - Slide Type Controls, Bright Knobs, Illuminated	X	X
Light Switch - Bright Knob	X	X
Cigarette Lighter - Black Knob	X	X
100 MPH (160 KPH) Speedometer - Odometer	X	X
Fuel Gauge ("Unleaded Fuel Only")	X	X
Glove Compartment Door Lock	X	X
Black Parking Brake Release "T" Handle - White "Parking Brake"	X	X
Trim Color Instrument Panel Pad	X	X
Clock Hole Cover Plate	X	X
Trim Color Steering Wheel, Column and Instrument Cluster		X
Black Steering Wheel, Column and Instrument Cluster	X	
Wood Grain on Instrument Cluster		X
Soft Vinyl Steering Wheel and Shroud with Wood Grain Insert Having		
"Chevrolet" Nameplate	X	X
Black Hazard Flasher Knob	X	X
Black Soft Turn Signal and Shift Lever Knobs	X	X
Steering Column Ignition Switch with Integral Steering and		
Transmission Lock	X	X
Black "Tee" Handle Hood Release - White "Hood"	X	X
Instrument Panel Nameplate	X	X
 GLASS		
Laminate Safety Plate Glass Windshield (Thin Design)	X	X
Safety Solid Tempered Plate Side Glass	X	X
Safety Solid Tempered Plate Rear Window	X	X

INTERIOR EQUIPMENT

EL CAMINO INTERIOR EQUIPMENT

	STANDARD	CLASSIC
ROOF AND PILLARS		
Headlining Vinyl Coated "Premier" Perforated	X	X
Rear View Mirror, 12" Prismatic - Textured Black Metal Vinyl Clad	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted	X	X
Sunshade, Padded, Non-Hook	X	X
Roof Side Rail Garnish Moldings - Plastic	X	X
Windshield Garnish Moldings - Painted Plastic	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar	-	X
DOOR AND QUARTER PANEL		
Plastic Molded Front Door Lower Trim Panel, W/Armrest	X	X
Plastic Molded Door Upper Trim Panel	X	-
Soft Trim Door Upper Panel	-	X
Pull Type Door Handle	X	X
Window Control Handle Knobs, Clear Plastic	X	X
Door Lock Buttons - Bright	X	X
Burl Elm Woodgrain Door Panel Inserts	X	-
Front Door Locks 2-Position Free Wheeling	X	X
Front Door Pull Straps	-	X
SEATS AND FLOOR COVERING		
Front Seat Cushion and Backrest, Full Molded Foam	X	X
Three Point Front Seat Outboard Belt System (Lap and Shoulder) Locking Lap Belt Retractors, Inertial Reel Type Shoulder Belt Retractors, Black	X	X
Front Seat Center Lap Belt, Black	X	X
Front Seat Head Restraints	X	X
Front Seat Center Armrest	-	X
Front Seat Backrest End Molding - Bright	-	X
Carpet, Floor Covering - Nylon Cut Pile	X	X
INSTRUMENT PANEL AND STEERING COLUMN		
Glove Compartment Light	-	X
Heater Control Light	X	X
Temperature, Generator, Oil Pressure, Brake and Seat Belt Warning Lights	X	X
Hi-Beam and Turning Signal Indicators	X	X
Soft Black Cowl Ventilation	X	X
Two-Speed Windshield Wiper and Washer Switch (Slide Type, Depress to Wash)	X	X
Light Switch - Bright 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 - Black Knob	X	X
100 MPH (160 KPH) Speedometer and Odometer	X	X
Trim Color Instrument Panel Pad	X	X
Soft Vinyl Steering Wheel and Shroud with Wood Grain Insert having "Chevrolet" Nameplate	X	X
Black Color Steering Wheel, Column and Instrument Cluster	X	-
Color Keyed Steering Wheel, Column and Instrument Cluster	-	X
Wood Grain Instrument Cluster	-	X
Fuel Gauge ("Unleaded Fuel Only")	X	X
Instrument Panel Nameplate	X	X
GLASS		
Laminated Safety Plate Glass Windshield	X	X
Solid Safety Plate Glass Backlight	X	X
Solid Safety Plate Glass Door Windows	X	X

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
MODEL OPTIONS		
'SS' Option (El Camino) (See page 19 for content)	Z15	
Station Wagon, 3rd Seat (See page 20 for content)	AQ4	
Malibu Classic Landau (See page 21 for content)	Z03	
POWER TEAMS		
305 V-8 (Federal only)	LG3	
350 V-8 (All States)	LM1	
Turbo Hydra-matic (Used with L22, LG3, LM1)	M38	
Axle, Positraction	G80	

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
POWER ASSISTS		
Brakes, Power (Standard on all models with V-8 engines)	J50	
Liftgate Lock Release, Electric	AU6	
Lock, Electric Door	AU3	
Steering, Hydraulic, (Base V-8 engine, optional 100 engine)	N41	
Window Control, Electric	A31	
Front Seat, Electric Control (exc. AN7)	A42	
OTHER OPTIONS		
Air Conditioning, Four-Season (See page 22 for content)	C60	
Alarm, Theft		X
Battery Blanket		X
Battery, Heavy Duty	UA1	
Bumper Guards		X
Belts, Deluxe Seat & Shoulder Harness (Color keyed to interior)	AK1	
Bumper Impact Strips Front and Rear	VE5	
Console, Front Compartment Floor (Requires bucket seats and auto. trans.)	ID55	
Cap, Locking Gas Filler		X
Carrier, Roof Luggage - Wagon	W55	X
Clock, Electric	UB5	X
Compass		X
Cover, Roof Luggage Carrier		X
Container, Underseat Litter		X
Container, Tunnel Litter and Tissue		X
Decor Exterior	Y19	
Deflector, Rear Window Air (Wagon)	CS1	X
Fogger, Rear Window (Powered air) (All except El Camino)	CS0	X
Dispenser, Tissue		X
Extinguisher, Fire		X
Extinguisher, Fire Refill		X
Floor Mats, Color-Keyed - (2 Front, 2 Rear) (Except El Camino - 2 Front only)	B37	X
Generator - 61 amp Delcotron	K76	
Gauges, Instrument Panel	UF7	
Guards, Bumper Front and Rear	V30	X
Guard, Vinyl Door Edge		X
Guard, Door Edge Stainless Steel (N.A. Malibu Classic Estate)	B93	X
Glass, Tinted - All Windows	A01	
Glass, Tinted - W/S Only (Floor use and Condition use only)	A02	

EXTRA COST EQUIPMENT

EQUIPMENT	RFO	ACC.
OTHER OPTIONS		
Harness, Trailering Wiring		X
Hitch, Trailering, Equalizing Type		X
Hitch, Trailering - 2000 Lb. Class		X
Heater, Engine Block		X
Highway Emergency Kit		X
Horns, Dual	U05	
Lighting, Auxiliary	ZJ9	
Courtesy Lights		
Glove Compartment Light		X
Luggage Compt. Light (Except Wagon and Pickup)		X
Ash Tray Light		X
Underhood Light		X
Map Light (Not available on CA1)		X
Headlamp on "Buzzer"		X
Light, Rear Door Jamb Switch - 4-Door Sedan		X
Litter Container (Integrated with right kick panel)	D24	
Mirror, RH		X
Mirrors, LH & RH Sport Outside Rear View Mirrors (Remote control)	D68	
Mirror, L.H. Outside Remote Control Rear View	D33	X
Mirror Sport Outside, Body Color, LH Remote Control & RH Manual Control	D35	
Mirror, Trailering - Fender Clamp		X
Mirror, Visor Vanity	D34	X
Molding, Body Side (Except 1AG35)	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 (Except 1AC and 1AD80)	U80	X
Radio, Citizens Band		X
Roof Cover, Vinyl (All except Station Wagon)	C09	
Retainer, Seat Belt Buckle		X
Seat Contour Bucket, Special - 90° Swivel (Not available on 1AC, 1AD29)	AN7	
Seat, Child Safety		X
Seat, Infant Safety		X
Ski Rack, Roof Top		X
Spotlight, Hand		X
Stowaway Spare, Wheel and Tire (Models 29 and 37)	N65	

EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC.</u>
<u>OTHER OPTIONS</u>		
Speed Control, Cruise (Required automatic transmission and V-8 engine)	K30	
Steering Wheel, Comfortilt (Used only with automatic transmission)	N33	
Suspension, H.D. Front and Rear (All except Station Wagons)	F40	
Sport Suspension (Requires 70 Series radial ply tires)	F41	
Warmer, Interior Car		X
Wheel Covers, Wire	PB2	
Wheel Trim Covers, Full	P01	X
Windows, Rear Quarter Swing-Out (Station Wagons)	A20	
<u>FACTORY INSTALLED REGULAR PRODUCTION TIRES</u>		
GR78 x 15 Radial Ply Tire Blackwall (All with V8 except Station Wagons)	QCF	
GR78 x 15 Radial Ply Tire Whitewall (All with V-8 engines except Wagons)	QDR	
GR70 x 15 Radial Ply Tire White Lettered - El Camino	QCY	
HR78 x 15 Radial Ply Tire Whitewall - All V8's	QEL	
FR78-15 Radial Ply Blackwall (Used only optionally with L22 engine)	QBU	
FR78-15 Radial Ply Whitewall (Used only optionally with L22 engine)	QBW	
GR70-15 Radial Ply Blackwall (All exc. wagons, required with F41)	QBX	
GR70-15 Radial Ply Whitewall (All exc. wagons, required with F41)	QCX	
HR78-15 Radial Ply Blackwall (Base on wagons)	QDU	
FR78-15 Fiberglass Belted, Blackwall (Base on L6 models)	QKM	
FR78-15 Fiberglass Belted, Whitewall (Optional on L6 models)	QKN	

"SS" OPTION RPO Z15

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

MODEL AVAILABILITY

El Camino Pickup (1AD80)

POWER TRAIN AVAILABILITY

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

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

BODY - Exterior

'SS' Grille emblem
Upper body side striping - includes 'SS' fender emblem, tailgate striping and
tailgate 'SS' emblem, two colors, black or white, keyed to body color
Body color racing mirrors, LH remote, RH manual
Delete fender 'El Camino' nameplate

BODY - Interior

Monte Carlo instrument cluster with black bezel
'SS' instrument panel identification

CHASSIS

15 x 7 Inch Rally wheels and trim rings
GR70 x 15 Radial ply white lettered tires

THREE SEAT STATION WAGON RPO AQ4

CONTENT OF THREE SEAT STATION WAGON RPO AQ4

MODEL AVAILABILITY

Station Wagons 1AC, 1AD35

POWER TRAIN AVAILABILITY

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

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

BODY - Exterior

"Tip-Out" quarter windows

BODY - Interior

Rear facing third seat in one design vinyl and cloth: in all available interior colors.
Roof mounted courtesy lamp (included in RPO ZJ9 for 2-seat wagons)
Third seat ash tray
Electric liftgate lock release, control switch at instrument panel only

MALIBU CLASSIC RPO Z03

CONTENT OF MALIBU LANDAU CLASSIC MODEL OPTION Z03

MODEL AVAILABILITY

Malibu Classic (1AD37)

POWER TRAIN AVAILABILITY

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

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

BODY - Exterior

Specific vinyl roof cover (Landau type)
Pin stripe (black, white, gold, red, silver, green, buckskin)
Sport type, body color remote control rear view mirror LH and manual RH
Wheel covers - bright (ZJ7, or PB2 wheel trim available)
Rub strips
Emblem in quarter window

CHASSIS

15 x 6 Wheel
GR78 x 15 Radial ply whitewall tires
No delete option for tires
Dual note horns

AIR CONDITIONING

FOUR SEASON (RPO C60)

Integral air cooling and heater system. Manually controlled by two horizontal levers on instrument control panel, plus 4-speed fan switch. Upper lever (mode selector control) uses vacuum supply and electrical switches to operate mode doors and compressor. Lower lever uses bowden cable to operate temperature door. Five air outlets: 1 center, 2 side, 2 lower.

BASIC COMPONENTS

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

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

CHASSIS

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

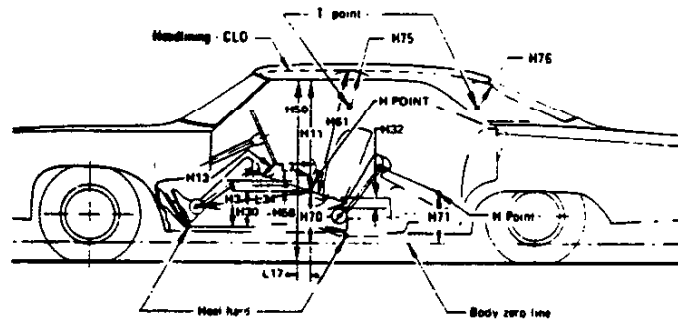
POWER TRAINS

Fan Blade 7 blade
Fan Clutch Thermomodulated fluid coupling
Crankshaft Pulley Single three groove pulley
Water Pump & Fan Pulley Single
Compressor & Crankshaft Belt One
Generator 61 Ampere
~~Radiator~~ Heavy duty

DIMENSIONS AND WEIGHTS

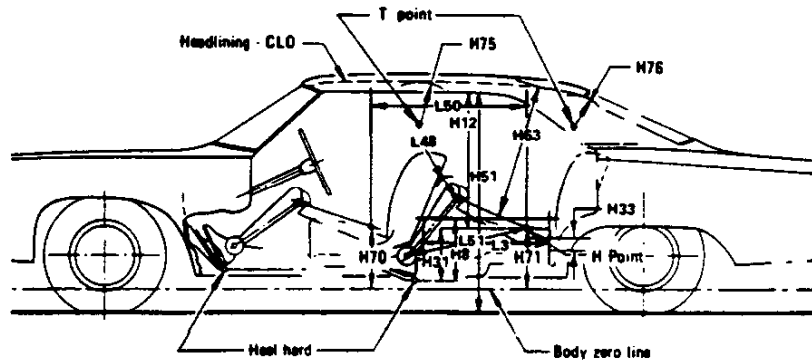
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INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
H-3	Seat cushion height	10.5			
H11	Entrance height	31.0	30.2	31.0	30.2
H13	Steering wheel thigh clearance	3.6		3.5	3.6
H30	H point to heel point	8.4			
H32	Seat cushion deflection	3.1			
H50	Upper body opening to ground	49.9	49.2	50.6	49.2
H58	H point rise	0.8			
H61	Effective headroom	37.9	37.2	38.5	37.2
H70	H point to body O line	13.1			
H75	Effective "T" point headroom	38.1	37.4	38.6	37.4
W3	Shoulder room	59.6			
W5	Hip room	54.7	54.8	54.7	54.8
L7	Steering wheel torso clearance	13.1			
L17	H point travel	5.1			
L34	Effective leg room	42.4		42.3	42.4



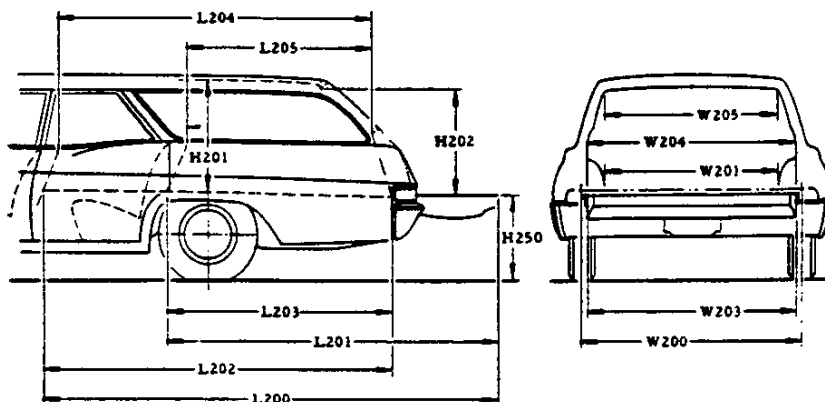
REAR COMPARTMENT

H8	Seat cushion height	13.4	12.2	13.4	-
H12	Entrance height	31.2	-	31.2	-
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	49.0	-	50.6	-
H63	Effective headroom	37.3	36.7	39.2	-
H71	H point to body O line	12.4	11.5	12.7	-
H76	Effective "T" point headroom	37.0	36.5	39.2	-
W4	Shoulder room	58.9	58.0	58.9	-
W6	Hip room	57.8	52.7	55.1	-
L3	Rear compartment room	26.7	24.2	27.3	-
L50	H point couple distance	34.6	31.0	33.1	-
L51	Effective leg room	36.9	32.9	33.3	-

LUGGAGE COMPARTMENT

H195	Liftover height	22.0	21.3	24.2	26.4
V1	Usable luggage capacity (cu.ft.)	14.9	14.5	-	26.2

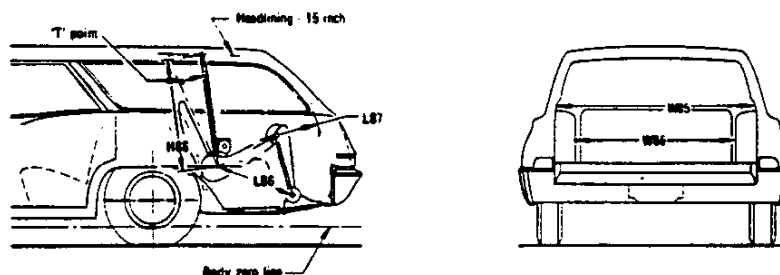
INTERIOR DIMENSIONS



STATION WAGON CARGO SPACE

CODE	DESCRIPTION	STATION WAGONS	SEDAN PICKUP
H201	Maximum cargo height	30.1	—
H202	Rear opening height	27.4	—
H250	Tailgate to ground height	24.2	26.4
W200	Cargo width-front	55.0	51.0
W201	Cargo width-wheelhouse	43.6	45.3
W203	Rear opening width at floor	48.0	57.0
W204	Rear opening width at belt	42.5	—
W205	Rear opening width above belt	38.8	—
L200	Maximum cargo length-front seat	90.2	—
L201	Maximum cargo length-second seat	53.9	—
L202	Cargo length at floor-front seat	90.2	80.8
L203	Cargo length at floor-second seat	53.9	—
L204	Cargo length at belt-front seat	82.9	71.4
L205	Cargo length at belt-second seat	48.7	—
V2	Total cargo index volume (cu.ft.)	85.1*	38.0

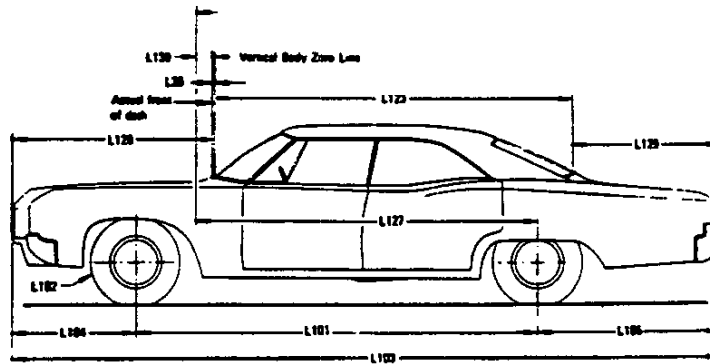
* Concealed storage compartment (cu.ft.) 9.8 cu. ft. 2-seat, 5.8 cu. ft. 3-seat.



STATION WAGON THIRD SEAT

W85	Shoulder room	42.7	—
W86	Hip room	36.5	—
H86	Effective headroom	37.6	—
L86	Effective leg room	27.8	—
L87	Knee room	11.1	—

EXTERIOR DIMENSIONS



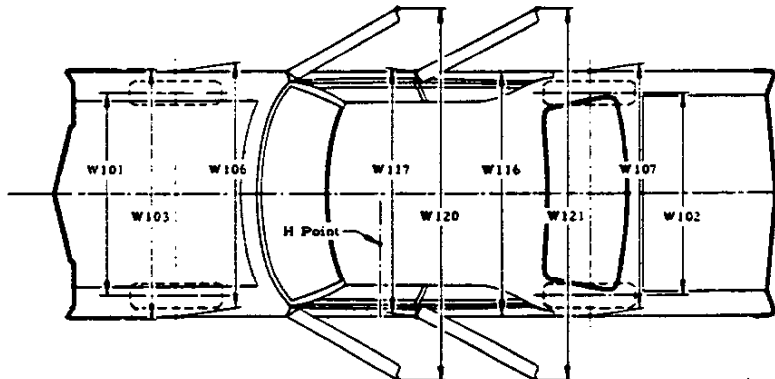
LENGTHS

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
L101	Wheelbase	116.0	112.0	116.0	
L102	Tire size (standard)	FR 78-15 (a) ●			GR 78-15
L103	Overall length	209.7	205.7	215.4	213.3
L104	Overhang, front	40.2			
L105	Overhang, rear	53.2		59.2	57.1
-	Overall length - less bumpers	203.4	199.4	210.0	
L123	Body upper structure length at car center line	101.3	102.0	133.2	58.6
L127	Body O line to C/L of rear wheels	97.5	93.5	97.5	
L128	Front end length at center line	58.3			
L129	Rear end length at center line	32.7	28.0	6.9	-
L125	Body zero plane to windshield cowl point	10.5			
L30	Body O line to actual front of dash	-0.5			

(a) Sedans & Coupes, with V8 Engine GR78-15 Tire

- With Impact Strips

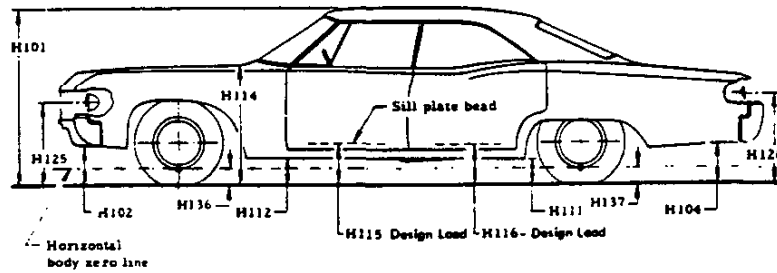
	BASE MODELS			
	4-DOOR	2-DOOR	WAGONS	PICKUP
L103	210.7	206.7	216.4	214.3
L104	40.7	40.7	40.7	40.7
L105	54.0	54.0	59.7	57.6



WIDTHS

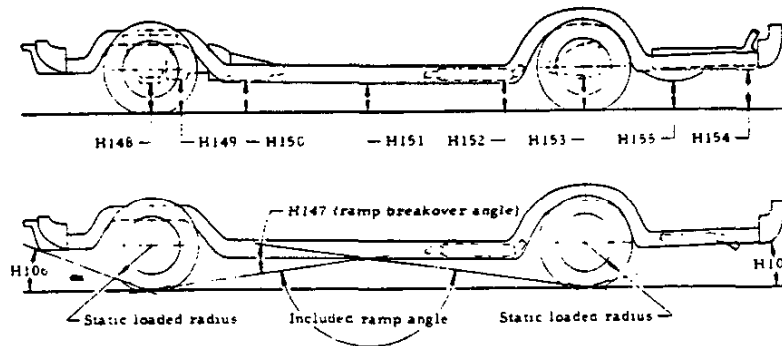
CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
W101	Tread - front	61.5			
W102	Tread - rear	60.7			
W103	Maximum overall width of car	77.3			
W106	Front fender overall width	77.3			
W107	Rear fender overall width	76.8			
W116	Maximum overall width of body	76.9		76.8	76.9
W117	Maximum body width at number 2 pillar	75.5	-	75.2	-
W120	Overall car width, front doors open	139.7	170.7	139.7	170.7
W121	Overall car width, rear doors open	134.7	-	134.7	-

EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT COUPES	STATION WAGONS	SEDAN PICKUP
H101	Overall height (design)	54.1	53.4	55.8	54.2
H102	Front bumper to ground	12.2	12.3	12.3	13.0
H104	Rear bumper to ground	11.8	11.7	11.6	12.1
H111	Rocker panel to ground - rear	8.4	8.5	9.5	9.1
H112	Rocker panel to ground - front	9.0	9.1	9.7	9.8
H114	Hood at rear to ground	39.0		39.6	39.8
H115	Step height - front (design)	12.9		13.7	13.7
H116	Step height - rear (design)	12.6	-	13.5	-
H125	Headlamp to ground	27.9	28.0	28.1	28.7
H126	Tail lamp to ground	24.7	24.6	17.4	16.4
H136	Body O line to ground - front	5.9		6.6	6.5
H137	Body O line to ground - rear	5.4		6.7	6.0



CLEARANCES

H106	Angle of approach (degrees)	19°7'	19°8'	19°41'	19°8'
H107	Angle of departure (degrees)	15°49'	15°43'	13°49'	13°23'
H147	Ramp breakover angle (degrees)	14°04'	14°60'	14°62'	14°37'
H148	Front suspension to ground	5.4	5.4	5.8	6.1
H149	Oil pan to ground	5.8	5.9	6.3	6.6
H150	Flywheel housing to ground	5.8	5.9	6.2	6.6
H151	Frame to ground	6.1	6.2	6.8	6.9
H152	Exhaust system to ground	5.4		6.2	5.8
H153	Rear axle to ground	6.6		6.9	6.8
H154	Fuel tank to ground	7.1		10.5	9.5
H155	Tire well to ground	-		8.8	-
H156	Minimum ground clearance	5.4 (a)	5.4 (a)	6.1 (a)	6.2 (a)

(a) Catalytic converter to ground.

VEHICLE WEIGHTS

MODEL TYPE								
MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1AC37	250 Cu.In. L6 (L22)	2-Door Coupe	2011	1540	3551	1976	1790	3667
1AC29	250 Cu.In. L6 (L22)	4-Door Sedan	2044	1584	3628	2022	1722	3744
1AC35	305 Cu.In. V8 (LG3)	4-Door Station Wgn.	2100	2039	4139	2077	2175	4252
1AC80	250 Cu.In. L6 (L22)	2-Door Pickup	2018	1593	3611	1992	1760	3752
1AD37	250 Cu.In. L6 (L22)	2-Door Coupe	2028	1571	3599	2004	1711	3715
1AD29	250 Cu.In. L6 (L22)	4-Door Sedan	2087	1638	3725	2065	1776	3841
1AD35	350 Cu.In. V8 (LM1)	4-Door Station Wgn.	2153	2080	4233	2129	2217	4346
1AD80	250 Cu.In. L6 (L22)	2-Door Pickup	2048	1595	3643	2022	1762	3784

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

CURB WEIGHT: Shipping weight plus gasoline to capacity.

VEHICLE WEIGHTS

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
A31	Power Windows	4-Door	+ 19
		2-Door	+ 8
A42	Power Seat 6-Way Bench	1AD29, 35, 37	+ 22
AN7	Bucket Seat - Swivel	All exc. 1AC29, 37	+ 14
AU3	Electric Door Locks	Used with 2-Door Models	+ 7
		Used with 4-Door Models	+ 13
AQ4	Station Wagon - 3rd Seat		+ 32
B37	Front and Rear Floor Mats	1AA29, 35, 37	+ 9
B37	Front Floor Mat	1AA80	+ 6
CA1	Electric - Sun Roof	1AC37, 1AD37	+ 46
CB4	Landau Roof Cover	1AD37	+ 5
CO9	Vinyl Roof Cover	All except Station Wagons	+ 8
C51	Rear Window Air Deflector	Station Wagons	+ 6
C60	Air Conditioning	With 6 Cyl. Engine	+ 79
		With V8 Engine	+ 90
D55	Floor Console	Turbo Hydra-matic Transmission	+ 15
J50	Power Brakes		+ 11
N41	Power Steering		+ 28
V55	Roof Luggage Carrier	Station Wagons	+ 20
U63	Radio AM Push Button		+ 6
U69	Radio AM/FM Push Button		+ 7
U58	Radio AM/FM Stereo		+ 15
UM1	Radio AM Push Button and Tape		+ 20
UM2	Radio AM/FM Push Button and Tape		+ 21
V30	Front and Rear Bumper Guards	All except Station Wagon and Pickup	+ 11
V30	Front Bumper Guards Only	Station Wagon and Pickup	+ 7
Base	250 Cu. In. L6 Engine	Turbo Hydra-matic Transmission	+ 27
LG3	305 Cu. In. V8 Engine	1AC & 1AD29, 37	+129
		1AA80 & 1AC35	+120
LM1	350 Cu. In. V8 Engine	1AC & 1AD29, 37	+151
		1AA35	+ 23
		1AA80	+138



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BODY

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EXTERIOR PAINT PROCESS

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

EXTERIOR-INTERIOR COLORS

EXTERIOR COLORS - VINYL ROOF COMBINATIONS

VINYL TOP COVER (Material - Levant Grain)	EXTERIOR COLOR AVAILABILITY	MODELS	
		1AC-1AD29, 37 1AC-1AD80	1AD37 W/RPO Z03
Silver Metallic	White 11	X	X
	Silver Metallic 13	X	X
	Black 19	X	X
	Dark Blue Metallic 29	X	X
	Firethorn Metallic 36	X	X
	Medium Red 72	X	X
Black	All Available Colors	X	X
White	All Available Colors	X	X
Light Blue Metallic	White 11	X	X
	Light Blue Metallic 22	X	X
	Dark Blue Metallic 29	X	X
Light Buckskin	White 11	X	X
	Black 19	X	X
	Firethorn Metallic 36	X	X
	Medium Green Metallic 44	X	X
	Dark Blue-Green Met. 48	X	X
	Light Buckskin 61	X	X
	Buckskin Metallic 63	X	X
	Brown Metallic 69	X	X
	Medium Red 72	X	X
Orange Metallic 78	X	X	
Medium Green Metallic	White 11	X	X
	Medium Green Met. 44	X	X
	Dark Blue-Green Met. 48	X	X
Firethorn Metallic	White 11	X	X
	Firethorn Metallic 36	X	X

1977 CHEVELLE AND EL CAMINO 'A' INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM						
		Black		Light Blue		Dark Green	Light Buckskin	
		Cloth	Vinyl	Vinyl	Cloth	Cloth	Cloth	Vinyl
Malibu - 1AC00								
Sport Sedan (29)	(A52) Bench	19B	19Y		24B		64B	64Y
Sport Coupe (37)	(A52) Bench	19B	19Y		24B		64B	64Y
Station Wagon (35)	(A52) Bench		19Y		24B			64Y
El Camino (80)	(A52) Bench	19B	19Y		24B		64B	64Y
Malibu Classic - 1AD00								
Sport Sedan (29)	(A65) Bench			24N	24C	44C		64N
Sport Coupe (37)	(A65) Bench		19N	24N	24C	44C	64C	64N
	(AN7) Bucket		19N	24N				64N
Station Wagon (35)	(A65) Bench		19N	24N			64H	64N
	(AN7) Bucket		19N	24N				64N
El Camino Classic (80)	(A65) Bench		19N	24N	24C		64C	64N
	(AN7) Bucket		19N	24N				64N
EXTERIOR COLOR	Color Code	Black		Light Blue		Dark Green	Light Buckskin	
White	11	R		R		R		R
Silver Metallic	13	R		-		-		-
Black	19	R		A		A		R
Lt. Blue Metallic	22	R		R		-		-
Dark Blue Metallic	29	A		R		-		-
Firethorn Metallic	36	A		-		-		R
Med. Green Metallic	44	A		-		R		A
Dk. Blue Green Metallic	48	A		-		R		R
Cream Gold	50	R		-		-		-
Light Buckskin	61	R		-		-		R
Buckskin Metallic	63	R		-		-		R
Brown Metallic	69	-		-		-		R
Red	72	A		-		-		R
Orange Metallic	78	R		-		-		R

R - Recommended
A - Acceptable

Override RPO ZP2 will be provided to permit ordering of any interior-exterior color combination.

CLOTH AND VINYL USAGE

- Y-Rattan vinyl
- B-Radcliffe, 722 WC, woven sport cloth
- N-Wallaby vinyl
- C-Windsor, 712 WC, knit cloth
- H-Rutledge, 76 C/O 612 WC, woven sport cloth

1977 CHEVELLE AND EL CAMINO 'A' INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM					
		Dk. Firethorn		White			
		Vinyl	Cloth	† Vinyl /Black	† Vinyl /Dark Blue	† Vinyl /Dark Firethorn	† Vinyl /Dark Green
Malibu - 1AC00							
Sport Sedan (29)	(A52) Bench						
Sport Coupe (37)	(A52) Bench			11Y	02Y	07Y	04Y
Station Wagon (35)	(A52) Bench						
El Camino (80)	(A52) Bench						
Malibu Classic - 1AD00							
Sport Sedan (29)	(A65) Bench		71C				
Sport Coupe (37)	(A65) Bench	71N	71C	11N	02N	07N	04N
	(AN7) Bucket	71N		11N	02N	07N	04N
Station Wagon (35)	(A65) Bench	71N					
	(AN7) Bucket	71N					
El Camino Classic (80)	(A65) Bench	71N	71C	11N	02N	07N	04N
	(AN7) Bucket	71N		11N	02N	07N	04N
EXTERIOR COLOR	Color Code	Dark Firethorn	White/Black	White/Dk. Blue	White/Dk. Firethorn	White/Dk. Green	
White	11	R	R	R	R	R	
Silver Metallic	13	R	R	-	-	-	
Black	19	R	R	-	R	-	
Lt. Blue Metallic	22	-	A	R	-	-	
Dark Blue Metallic	29	-	A	R	-	-	
Firethorn Metallic	36	R	A	-	R	-	
Med. Green Metallic	44	-	A	-	-	R	
Dk. Blue Green Metallic	48	-	A	-	-	R	
Cream Gold	50	-	R	-	-	-	
Light Buckskin	61	R	A	-	-	-	
Buckskin Metallic	63	-	A	-	-	-	
Brown Metallic	69	-	A	-	-	-	
Red	72	R	A	-	R	-	
Orange Metallic	78	-	R	-	-	-	

R - Recommended
A - Acceptable

Override RPO ZP2 will be provided to permit ordering of any interior-exterior color combination.

CLOTH AND VINYL USAGE

- Y - Rattan vinyl
- B - Radcliffe, 722 WC, woven sport cloth
- N - Wallaby vinyl
- C - Windsor, 712 WC, knit cloth
- H - Rutledge, 76 C/O 612 WC, woven sport cloth

- NOTES: † 11Y/11N - White interior with Black Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.
 † 02Y/02N - White interior with Dark Blue Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.
 † 04Y/04N - White interior with Dark Green Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.
 † 07Y/07N - White interior with Dark Firethorn Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.

EXTERIOR-INTERIOR COLORS

1977 MALIBU AND EL CAMINO
(1AC and 1AD 29, 37, 80; 5AA00)

TWO-TONE COLOR COMBINATIONS (RPO D99)

EXTERIOR COLORS			
LOWER		UPPER	
Med. Green Met.	44L	White	11U
Dk. Blue Met.	29L	Lt. Blue Met.	22U
Red	72L	White	11U
Dk. Blue Green Met.	48L	Med. Green Met.	44U
Light Blue Met.	22L	White	11U
Orange Met.	78L	White	11U
Brown Met.	69L	Light Buckskin	61U

EXTERIOR-INTERIOR COLORS

1977 EL CAMINO RPO D91 "CONQUISTA" - 1AD80

EXTERIOR COLORS			
ROOF AND LOWER BODY		HOOD AND CENTER BODY	
Black	19	White	11
Light Blue Metallic	22	White	11
Dark Blue Metallic	29	Silver	13
Dark Blue Metallic	29	Light Blue Metallic	22
Med. Green Metallic	44	White	11
Dk. Blue Green Met.	48	Med. Green Met.	44
Brown Metallic	69	Lt. Buckskin	61
Red (Med.)	72	White	11
Orange Metallic	78	White	11

EL CAMINO "SS" (RPO Z15) - 1AD80

STRIPE COLOR	EXTERIOR COLOR
White (11A) WA 3967	Avail. with all Exterior COLORS except WHITE 11
Black (19A) WA 848	Avail. with all Exterior Colors except BLACK 19

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Type Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner plastic fender skirts. Energy absorbing air-gap windshield pillar moldings. Safety guard door beams. Contoured windshield header. Cargo guard luggage barrier on coupe and sedan models. Double panel roof. Open channel rocker panels.

DOORS AND LOCKS

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

HOOD AND TRUNK LID

Type Counterbalanced, with spring loaded toggle action hinges on rear of hood and boxed hinges on trunk lid with torsion rod. Two hood stop pins mounted on the cowl.
 Hood release Internal; to left of stg. col. under inst. panel.

VENTILATION

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

SEAT CONSTRUCTION

Type
 All seat cushions and backrests . . . Formed polyfoam

WINDSHIELD WIPERS AND WASHERS

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

HEADLAMPS

1AD Models Dual rectangular units
 1AC Models Single units

SPARE TIRE AND TOOLS

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

LIFTGATE

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

BODY GLASS VISIBILITY AREA

	MODELS			
	29	1AC & 1AD37	35	80
Windshield	1332.6	1276.6	1332.6	1276.6
Front Door Window	1101.6	1331.1	1101.6	1252.0
Rear Door Window	758.7	-	828.9	-
Rear Quarter Window	267.6	187.5	1243.8	-
Back Window	1262.9	1307.2	926.1	573.2
Total Area (Sq. In.)	4723.4	4102.4	5433.0	3101.8

CHASSIS

FRAME AND FRONT SUSPENSION	2-3
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FRAME AND FRONT SUSPENSION

FRAME

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

Body Mountings

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

FRONT SUSPENSION

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

Wheel travel (design)

Total 7.82
 Jounce 3.54
 Rebound 4.28
 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 bearing7493-.7498

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

Wheel bearing

Type Taper roller
 Number Two per spindle

SPHERICAL JOINTS

Type Ball studs, upper self-adjusting for wear
 Bearing surfaces
 Upper Teflon-cotton composite on phenolic
 Lower Sintered iron

SHOCK ABSORBERS

Type Direct, double-acting, hydraulic
 Piston diameter 1.00

STABILIZER BAR

Type Link
 Material HR steel
 Diameter
 Coupes, Sedans and Pickup 0.94
 Station Wagons 1.00

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) Left $P1 \pm 1/2$; Right $P1/2 \pm 1/2$
 Caster (degrees) $P2 \pm 1/2$
 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 springs for the weight of the vehicle including optional equipment ordered by the customer.

FRONT SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs./inch)	Heights	
						Free	Working (In. @ Lbs.)
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
378579	ATN	137.23	.649	9.32	300	17.23	11.0 @ 1860
378580	ATR	144.98	.661	9.82	300	17.43	11.0 @ 1920
378581	ATS	145.01	.661	9.82	300	17.63	11.0 @ 1980
378582	ATT	148.13	.665	10.02	300	17.83	11.0 @ 2040
378583	ATU	151.26	.670	10.22	300	18.03	11.0 @ 2100
378584	ATW	152.83	.672	10.32	300	18.23	11.0 @ 2160
378585	ATZ	154.41	.674	10.42	300	18.43	11.0 @ 2220
462509	AUM	141.08	.688	9.30	365	17.26	11.0 @ 2275
462524	AWH	106.33	.680	7.00	500	14.83	11.0 @ 1900
462525	AWI	106.36	.680	7.00	500	15.03	11.0 @ 2000
462526	AWK	125.26	.721	8.20	500	15.23	11.0 @ 2100
462527	AWM	125.29	.721	8.20	500	15.43	11.0 @ 2200
462528	AWN	125.32	.721	8.20	500	15.63	11.0 @ 2300
462529	AWR	129.81	.730	8.49	500	15.83	11.0 @ 2400
462530	AWS	131.47	.733	8.59	500	16.03	11.0 @ 2500
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

STEERING, DRIVELINE, WHEELS AND TIRES

STEERING

Availability	
Manual	Standard with L-6 engine
Power	Standard with all V-8 engines Optional with L-6 engine
Wheel	
Type	Oval with center shroud
Diameter	15.25 x 14.75
Optional	Tilt
Column	Energy absorbing - mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions
Gear Type	
Manual	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
Ratios, Overall	
Manual	32.8:1 on center to 34.7:1
Power	
Except	
Station Wagons	17.6:1 on center to 14.3:1
Station Wagons	18.7:1 on center to 16.1:1
Number of wheel turns, lock to lock	
Manual	6.64
Power	
Except St. Wagns.	3.30
Station Wagons	3.37
Linkage	Parallelogram, front of wheels; hydraulic damper used on relay rod on 6 cylinder with manual steering
Turning Diameters (feet)	
Outside front, wall to wall	
Manual	42.64
Power - Except Station Wagons	43.06
Power - Station Wagons	42.86
Outside front, curb to curb	
Manual	39.46
Power - Except Station Wagons	39.89
Power - Station Wagons	39.74
Inside rear, wall to wall	
Except Station Wagons	11.44
Station Wagons	11.89
Inside rear, curb to curb	
Except Station Wagons	10.73
Station Wagons	11.21

DRIVELINE

Type	Tubular, exposed
Number used	One
Diameter (O.D.)	
116" Wheelbase	3.00
112" Wheelbase	2.75
Length (C/L of U joints)	
116" Wheelbase	57.65
112" Wheelbase	53.65
Wall Thickness	0.065
Universal Joints	
Type	Cross
Number used	Two
Bearings	Pre-pack, anti-friction

WHEELS

Type	Short spoke spider
Size & Offset	
Coupes & Sedans	15 x 6 - 0.50
Station Wagons & Pickups	15 x 7 - 0.30
Attachment to Hub	
Type	5 hex nuts
Thread size	7/16-20 UNF 2-B
Bolt circle diameter	4.75

TIRES, STANDARD EQUIPMENT

Coupes & Sedans (with L6 engine models)	
FR78 x 15B - Glass belted radial	
Static loaded radius	11.97
Loaded rev/mi @ 45 MPH	779
Capacity @ 24 psi	1280
Coupes and Sedans (with V8 engine models)	
GR78 x 15B - Steel belted radial	
Static loaded radius	12.18
Loaded rev/mi @ 45 MPH	763
Capacity @ 24 psi	1380
Pickup Models	
GR78 x 15B - Steel belted radial	
Static loaded radius	12.18
Loaded rev/mi @ 45 mph	763
Capacity @ 24 psi	1380
Station Wagons	
HR78 x 15B - Steel belted radial	
Static loaded radius	12.42
Loaded rev/mi @ 45 mph	744
Capacity @ 24 psi	1510

TIRES, OPTIONAL EQUIPMENT

Coupes & Sedans	
GR78 x 15B (W/S)	Steel belted radial
HR78 x 15B (W/S)	Steel belted radial
FR78 X 15B (B/W, W/S)	Steel belted radial
Pickups	
HR78 x 15B (B/W, W/S)	Steel belted radial
GR70 x 15B (B/W, W/S, W/L)	Steel belted radial

REAR AXLE AND SUSPENSION

REAR AXLE

Description	Semi-floating axle shafts housing consists of two welded tubes pressed into crossbore of cast iron carrier. Carrier contains an overhung hypoid drive pinion and supported by two taper roller bearings.
Drive pinion vertical offset	1.50
Hypoid gear Pitch Diameter	(see Power Trains section, page 2 for application)
Sedans, Coupes & Pickups	
2.56, 2.73, 3.08	8.50
Station Wagons	
2.73, 3.08	8.75
Pinion bearing adjustment	Shim
Lubricant	
Type	Military Spec. MIL-L-2105-B
Viscosity	80W-90
Capacity (pts)	4.00

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

(See Power Train Section for application)	
2.56:1	41, 16
2.73:1	41, 15
3.08:1	40, 13

POSITRACTION DIFFERENTIAL (See Power Trains)

Type	Multiple disc clutches
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REAR SUSPENSION

Description	Link type. 2 upper and 2 lower control arms supporting rear axle. Drive and torque taken through control arms.
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Wheel travel (design)

Total	
Coupes and Sedans	8.67
Station Wagons and Pickups	8.10
Jounce	
Coupes and Sedans	3.80
Station Wagons and Pickups	3.00
Rebound	
Coupes and Sedans	4.87
Station Wagons and Pickups	5.10
Wheel to spring travel ratio	0.97:1

SHOCK ABSORBERS

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

STABILIZER BAR - OPTIONAL

Availability	Sedans & Coupes
Type	Link
Material	Steel
Diameter	0.875

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.)
482062	XG	123.4	.560	7.23	115	17.39	10.0 @ 850
485687	TG	103.5	.622	5.82	175	14.57	10.0 @ 800
485688	TH	106.1	.627	5.93	175	14.86	10.0 @ 850
485689	WL	106.1	.627	5.93	175	15.14	10.0 @ 900
485706	SC	97.1	.558	5.56	125	14.80	10.0 @ 600
485707	KJ	100.9	.565	5.73	125	15.20	10.0 @ 650
485712	TD	111.2	.529	6.63	100	17.00	10.0 @ 700
485713	WR	116.6	.537	6.90	100	17.50	10.0 @ 750
485714	WS	122.3	.545	7.19	100	18.00	10.0 @ 800
485715	WT	125.3	.549	7.34	100	18.50	10.0 @ 850
485720	OB	105.8	.540	6.33	115	16.09	10.0 @ 700
485721	TF	110.8	.548	6.59	115	16.52	10.0 @ 750
485722	ZX	115.3	.555	6.82	115	16.96	10.0 @ 800
485724	SU	122.8	.666	7.20	115	17.83	10.0 @ 900
485736	TA	99.8	.558	6.01	140	15.00	10.0 @ 700
485737	ZZ	107.8	.572	6.41	140	15.36	10.0 @ 750
485738	WV	107.8	.572	6.41	140	15.71	10.0 @ 800
485739	WV	112.0	.579	6.62	140	16.07	10.0 @ 850
485740	OA	114.5	.583	6.75	140	16.43	10.0 @ 900
487390	WW	94.7	.570	5.43	140	14.29	10.0 @ 600
487391	KK	98.3	.577	5.60	140	14.64	10.0 @ 650
490497	TR	94.7	.570	5.43	140	13.93	10.0 @ 550

BRAKES

General	Type	Coupes, Sedans & Pickup Manual - Standard Power Assisted - Optional *	Station Wagons Power Assisted - Standard	
	System	Dual circuit hydraulic system with warning lights and self-adjusting features - metering and proportioning valves provide balance between front and rear brakes.		
Front Brakes	Type	Disc - single piston, floating caliper		
	Material	Cast iron - vented		
	Diameter and Width	11.0 x 1.03		
	Lining Material	Molded asbestos composition		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Inboard	5.40 x 1.92 x 0.465	
		Outboard	5.40 x 1.92 x 0.465	
	Lining area (sq. in.)	38.76		
	Effective area (sq. in.)	36.80		
	Swept area (sq. in.)	210.4		
Piston diameter	2.94			
Rear Brakes	Type	Finned drum - composite, web cast into rim		
	Material	Web - HR steel; Rim - Cast alloy iron		
	Diameter and Width	11.0 x 2		
	Lining material	Molded asbestos composition		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Primary	8.87 x 2.0 x 0.25	
		Secondary	11.12 x 2.0 x 0.30	
	Lining area (sq. in.)	67.04		
	Effective area (sq. in.)	63.74		
Swept area (sq. in.)	138.2			
Piston diameter	.938			
Apply System	Master cylinder diameter	Manual .9375; Power 1.125	1.125	
	Piston travel	Manual 1.41; Power 1.41	1.41	
	Pedal travel	Manual 9.10; Power 5.40	5.40	
	Pedal ratio	Manual 6.29:1; Power 3.50:1	3.50:1	
	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	63.72		

*-Standard with V-8 engine models.

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP	
Automatic transmission quadrant	1-168	3	
Back-up	2-1156	32	
Brake warning - alarm	1-168	3	
Courtesy - Instrument panel	2-631	6	
Directional signal indicators	2-168	3	
Dome	1-211	12	
Generator indicator	1-168	3	
Glove compartment	1-1891	2	
Headlamp	1AC	High beam 60W Low beam 50W	
	Lower	High beam 50W	
	1AD	Upper	Low beam 60W High beam 40W
Headlamp hi-beam indicator	1-168	3	
Heater controls	1-194	2	
Instrument cluster	4-168	3	
License plate, rear	2-194	2 Coupes & Sedans	
	1-168	3 Station Wagons	
	1-67	4 Pickups	
Luggage compartment	1-1003	15	
Map visor lamp	1-561	12	
Oil pressure indicator	1-168	3	
Parking	2-1157	Park	
		Turn	
Radio dial RPO U63 and/or U69	1-1893	2	
Radio dial and indicator RPO U58	1-216 (dial)	1-dial	
	1-66 (indicator)	.1-indicator	
Radio dial and indicator RPO UM1 and/or UM2	1-564 (dial)	2-dial	
	1-66 (indicator)	.1-indicator	
Rear compl. courtesy lamp	1-562	6	
Seat belt warning	1-168	3	
Side Marker - Front	2-194	2	
Side Marker - Rear	2-194	2	
Station wagon gate ajar indicator	1-168	3	
Tail	4-1157 Coupes & Sedan		
	4-1157 Station Wagons	3	
	2-1157 Pickups	32	
Temperature indicator	1-168	3	
Underhood	1-93	15	
W/S washer and light	1-168	2	

FUSES AND CIRCUIT BREAKERS

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

* Letter suffix indicates same circuit

POWER TRAINS

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POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*		RING GEAR	
			BELOW 4000 FT.			ABOVE 4000 FEET
			BASE	OPT.		
250 Cubic Inch L-6 (4.1 litre) - (L22) Base - all states	3-Speed (3.11:1 low) (a)	All Models except Station Wagons	2.73:1	3.08:1	-	8.50
	Turbo Hydra-matic		2.73:1	3.08:1	3.08:1	
305 Cubic Inch V-8 (5.0 litre) - (LG3) Optional - all states exc. California	Turbo Hydra-matic	Sedans, Coupes & Pickups	2.56:1	-	-	8.50
		Station Wagons (b)	2.73:1	-	-	8.75
350 Cubic Inch V-8 (5.7 litre) - (LM1) Optional - all states	Turbo Hydra-matic	Sedans, Coupes & Pickups	2.56:1	3.08:1	3.08:1	8.50
		Station Wagons (c)	2.73:1	3.08:1	3.08:1	8.75

* Positraction axles available optionally; same ratios available with Air Conditioning

(a) Not available in California

(b) Base on model 1AC35 station wagon.

(c) Base on model 1AD35 station wagon.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSION

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
250 Cu.In. L-6 Standard - All Models except Station Wagons	Single Barrel	3-Speed (a)	8.49	5.02	2.73	—	8.79	2.73:1

(a) Not available in California

WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
250 Cu.In. L-6 Standard-All Models except Station Wagons	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.88:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.59:1 - 5.30:1	
305 Cu.In. V-8 RPO LG3 (All models except Station Wagons)	Turbo Hydra-matic	Drive	12.90:1 - 2.56:1	2.56:1
		Low	12.90:1 - 6.45:1	
		Second	12.90:1 - 3.89:1	
		Reverse	9.93:1 - 4.97:1	
350 Cu.In. V-8 RPO LM1 (All models except Station Wagons)	Turbo Hydra-matic	Drive	12.90:1 - 2.56:1	2.56:1
		Low	12.90:1 - 6.45:1	
		Second	12.90:1 - 3.89:1	
		Reverse	9.93:1 - 4.97:1	
305 Cu.In. V-8 RPO LG3 (1AC35 Only)	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	10.59:1 - 5.30:1	
350 Cu.In. V8 RPO LM1 (Station Wagons only)	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	10.59:1 - 5.30:1	

* Axle ratio x transmission ratio

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type		L-6 OHV	V8-OHV	
Piston Displacement (Cu.In.)		250	V8-305	V8-350
Availability		Standard	LG3	LM1
Bore (nominal)		3.875	3.736	4.00
Stroke (nominal)		3.53	3.48	3.48
Compression Ratio		8.3:1	8.5:1	
Taxable (SAE) Horsepower		36.0	44.7	51.2
Firing Order		1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Idling Speed	3-Speed (in neutral)	850	—	
	Turbo Hydra-matic (in drive)	550	600	
Comp. Press. (PSI) @ Cranking Speed, Engine Hot		130	160	
Power Plant	Front	Two-preloaded captive cushion type		
Mountings	Rear	one; full shear type		
Measurements	Fan to rear of engine block	35.78	31.55	
	Top of air cleaner to bottom of oil pan	27.22	29.60	28.52
	Width - including air cleaner (a)	17.76	28.53	

(a) L6 engine - (Oil filter to exhaust manifold); V8 engines (across exhaust manifolds)

ADVERTISED ENGINE RATING

Engine Designation		250 L6	305 V8	350 V8
Availability		Std. - L22	RPO LG3	RPO LM1
Carburetor		Single Bbl.	Two Bbl.	Four Bbl.
Net Brake HP @ RPM	Federal	110 @ 3800 (a)	145 @ 3800	170 @ 3800
	California	90 @ 3600		160 @ 3800 (a)
Net Torque @ RPM (lb. ft.)	Federal	195 @ 1600 (a)	245 @ 2400	270 @ 2400
	California	180 @ 1600		260 @ 2400 (a)

(a) Also Federal ratings above 4000 feet altitude.

ENGINE SPEED AND PISTON TRAVEL

L-6 250 CU. IN. ENGINE

Model Availability		Malibu & Malibu Classic - Coupes & Sedans		El Camino Pickup	
Transmission		3-Speed	Turbo Hydra-matic	3-Speed	Turbo Hydra-matic
Rear Axle Ratio		2.73:1		2.73:1	
Tire Size		FR78 x 15B		GR78 x 15B	
Crankshaft Revolutions per Mile		2126.7		2083.0	
Crankshaft RPM @ 1 MPH	Low	110.2	89.3	108.0	87.5
	Second	65.2	53.9	63.9	52.8
	Third	35.4	35.4	34.7	34.7
	Reverse	114.1	68.8	103.4	67.4
Piston Travel (ft/mile)		1251.2		1225.5	

V-8 305 CU. IN. (RPO LG3) & V8-350 CU. IN. (RPO LM1)

Model Availability		All models except Station Wagons	Station Wagons
Transmission		Turbo Hydra-matic	
Rear Axle Ratio		2.56:1	2.73:1
Tire Size		GR78 x 15B	HR78-15B
Crankshaft Revolutions per Mile		1953.3	2031.1
Crankshaft RPM @ 1 MPH	Low	82.0	85.3
	Second	49.5	51.5
	Third	32.6	33.9
	Reverse	63.2	65.7
Piston Travel (ft/mile)		1132.9	1178.0

VEHICLE PERFORMANCE FACTORS

ENGINE	250 Cu.IN. L6 110 HP	305 CU.IN. V8 145 HP	350 CU.IN. V8 170 HP
MODEL	1AC37	1AC29	1AD37

3-SPEED TRANSMISSION

Performance Weight (Pounds)		4267
Pounds/Net Horsepower	Federal	38.79
	California	47.41
Pounds/Cu. In. Displacement		17.07
Net HP/Cu.In. Displacement	Federal	.440
	California	.360
Power Displacement (cu.ft./mile)		153.84
Displacement Factor (cu.ft./ton mile)		72.11

TURBO HYDRA-MATIC

Performance Weight (Pounds)		4294	4473	4466
Pounds/Net Horsepower	Federal	39.04	30.85	26.27
	California	47.71	33.13	27.91
Pounds/Cu.In. Displacement		17.18	14.66	12.76
Net HP/Cu.In. Displacement	Federal	.440	.475	.486
	California	.360	.443	.457
Power Displacement (cu.ft./mile)		153.84	172.38	197.81
Displacement Factor (cu.ft./ton mile)		71.65	77.07	88.58

GLOSSARY

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

PRINCIPAL COMPONENTS

CYLINDER BLOCK

Material	Cast alloy iron
Bore Diameter	
L6-250 Cu.In.	3.8745-3.8775
V8-305 Cu.In.	3.7355-3.7385
V8-350 Cu.In.	3.9995-4.0025
Bearing Caps (Number, material & attachment)	
L6-250 Cu.In.	7, cast iron, 2-bolt
V8-305 & 350 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
V8-305 & 350 Cu.In.	4.4

CYLINDER HEAD

Material	High chrome cast alloy iron
Bolt No. & Size	
L6-250 Cu.In.	14; .500 dia. 13 threads/in.
V8-305, & 350 Cu.In.	34; .4375 dia. 14 threads/in.

COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)	
L6-250 Cu.In.	5.77 Cu.In.
V8-305 Cu.In.	5.13 Cu.In.
V8-350 Cu.In.	6.27 Cu.In.

INLET MANIFOLD

Material	Cast alloy iron
Type	
L6 engine	Integral with cylinder head
V8 engines	8 port, double deck

EXHAUST MANIFOLD

Material	Cast alloy iron
Type	
L6-250 Cu.In.	4 port, underslung, center downtake
V8-305 & 350 Cu.In.	Dual, 4 port, rear downtake
Outlet Diameter	
L6-250 Cu.In.	2.25
V8-305 & 350 Cu.In.	2.0

CRANKSHAFT

Material	Cast nodular iron
End Play	
L6-250 Cu.In.	.002-.006
V8-305 & 350 Cu.In.	.002-.007
Counter Weights	
L6-250 Cu.In.	12
V8-305 & 350 Cu.In.	6
Crank Arm Length	
L6-250 Cu.In.	1.765
V8-305 Cu.In.	1.74
V8-350 Cu.In.	1.74
Torsional Damper	Rubber mounted inertia
Timing Gear	
L6	Cast iron; helical cut
V8	Sintered iron; sprocket & chain
Pulley Pitch Diameter	6.64

MAIN BEARINGS

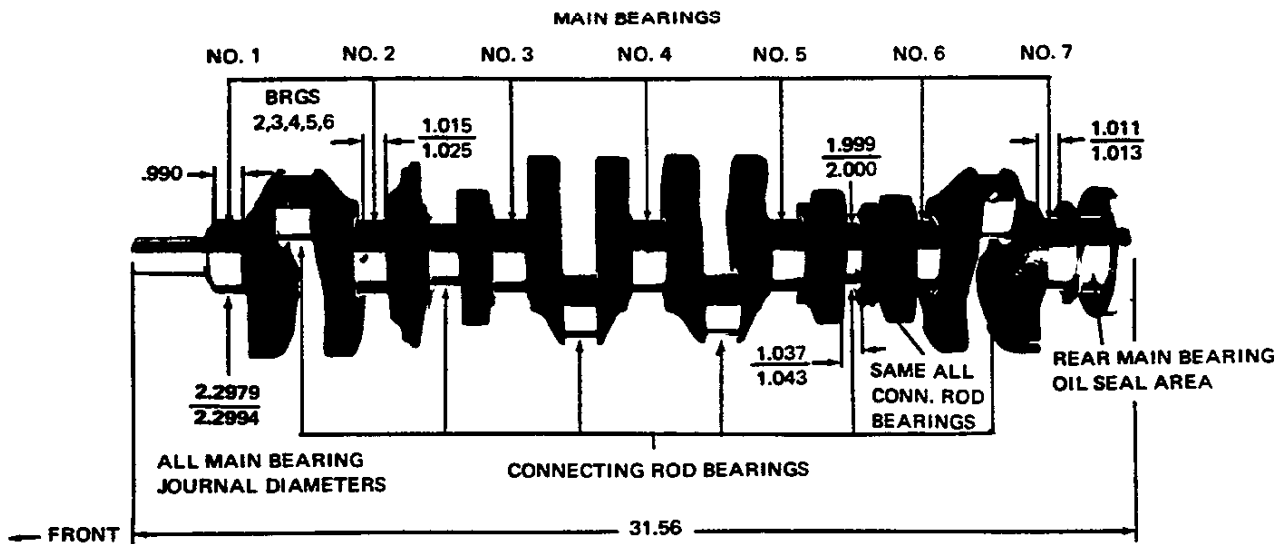
Material	Steel backed insert; (copper lead alloy or premium aluminum lining selected for specific engine application)
Type	Precision removable
Thrust Against Bearing No.	L6-No. 7; V8-No. 5
Clearance	
L6-250 Cu.In.	.0003-.0029
V8-305 & 350 Cu.In.	(No. 1) .0008-.0020; (No. 2-3-4) .0011-.0023; (No. 5) .0017-.0033

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area Sq.In.
L6-250 Cu.In.			
Bearing No. 1-6	2.2999	.752	1.7295
Bearing No. 7	2.2999	.760	1.7479
V8-305 & 350 Cu.In.			
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.180	2.8919

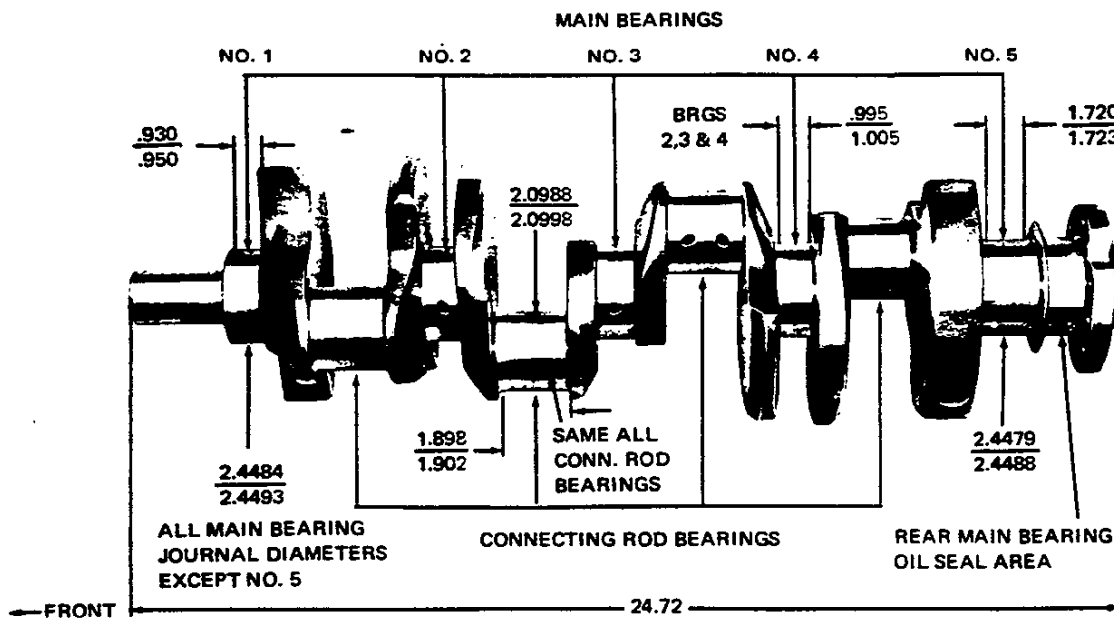
PRINCIPAL COMPONENTS

CRANKSHAFTS AND BEARINGS

250 CUBIC INCH SIX CYLINDER ENGINE



V8-305 & 350 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS

CAMSHAFT

Material	Cast alloy iron
Drive	
L6	Gear; aluminum alloy
V8	Sprocket & chain; nylon teeth with aluminum head
Lobe Lift	
L6-250 Cu.In.	.2217 Inlet; .2315 Exhaust
V8-305 Cu.In.	.2484 Inlet; .2667 Exhaust
V8-350 Cu.In.	.2600 Inlet; .2733 Exhaust
Camshaft Bearing	Steel backed babbitt

VALVE TRAIN

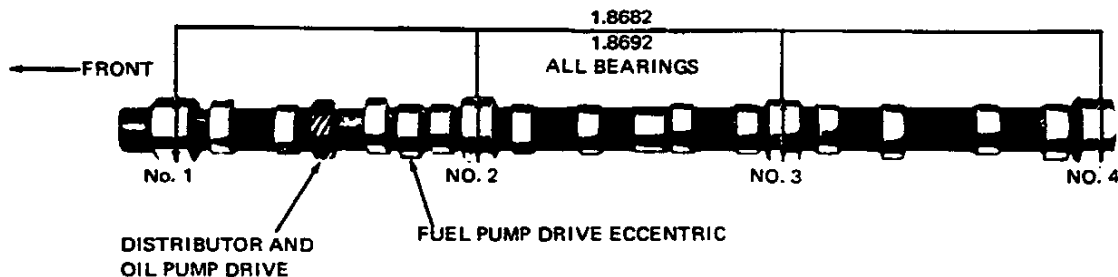
Type	Individually mounted, overhead rocker arms, push rod actuated
Rocker Arms	Stamped steel
Ratio	
L6-250 Cu.In.	1.75:1
V8-305 & 350 Cu.In.	1.50:1
Push Rods	
Type	Hollow steel
Ends	Hardened
Rotators (V8-305 & 350)	Exhaust

VALVE SPRINGS

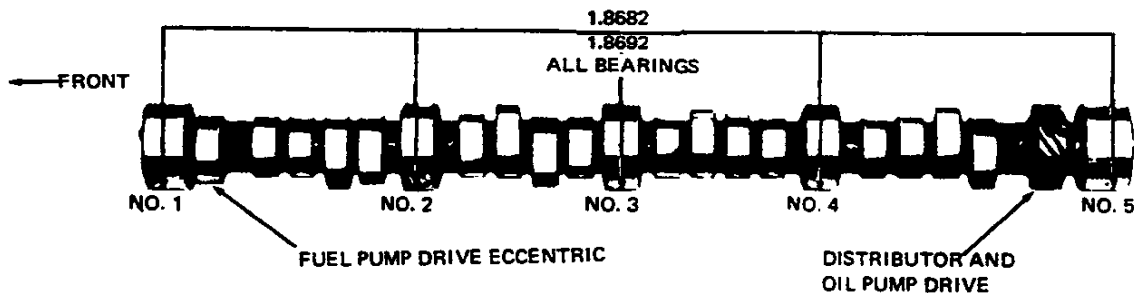
Diameter	
L6-250 Cu.In.	.872-.888
V8-305 & 350 Cu.In.	.868-.884
Installed Length (lb. @ in.)	
Valves closed	
L6-250 Cu.In.	78-86 @ 1.66
V8-305 & 350 Cu.In.	
Inlet	76-84 @ 1.70
Exhaust	76-84 @ 1.61
Valves opened	
L6-250 Cu.In.	170-180 @ 1.27
V8-305 & 350 Cu.In.	
Inlet	194-206 @ 1.25
Exhaust	194-206 @ 1.16
Free Length	
L6-250 Cu.In.	1.90
V8-305 & 350 Cu.In.	2.03
Valve Spring Damper	
L6-250 Cu.In.	None
V8-305 & 350 Cu.In.	Flat steel, 4 coils

CAMSHAFT AND BEARINGS

250 CUBIC INCH L-6 ENGINE



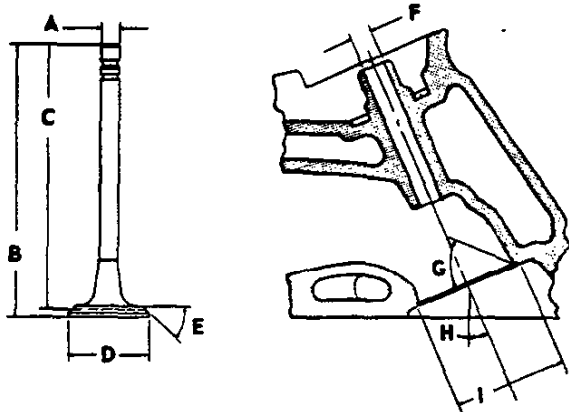
V8-305 & 350 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS

INLET VALVES

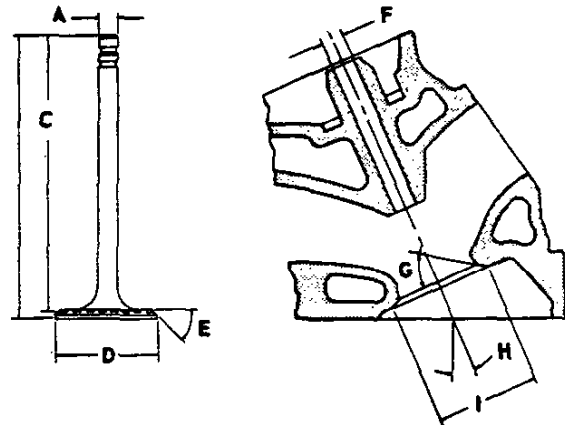
Material	Alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 Cu.In.	None
V8-305 Cu.In.	Aluminized face
All Stems	Chrome flash



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-305 & 350 Cu.In.	.3410-.3417
B - Overall Length	
L6-250 Cu.In.	4.902-4.922
V8-305 Cu.In.	4.902-4.922
V8-350 Cu.In.	4.870-4.889
C - Gage Length	
L6-250 Cu.In.	4.785-4.795
V8-305 & 350 Cu.In.	4.785-4.795
D - Overall Head Diameter	
L6-250 Cu.In.	1.715-1.725
V8-305 Cu.In.	1.715-1.725
V8-350 Cu.In.	1.935-1.945
E - Angle of Face	45°
F - Guide Diameter	
L6-250 Cu.In.	.3427-.3437
V8-305 & 350 Cu.In.	.3427-.3437
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-305 & 350 Cu.In.	23°
I - Valve Seat (cutter) Diameter	
L6-250 Cu.In.	1.591-1.597
V8-305 & 350 Cu.In.	1.823-1.829

EXHAUST VALVES

Material	High alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-305 & 350 Cu.In.	Aluminized face
All Stems	Chrome flash



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-305 & 350 Cu.In.	.3410-.3417
B - Overall Length	
L6-250 Cu.In.	4.913-4.933
V8-305 Cu.In.	4.910-4.930
V8-350 Cu.In.	4.910-4.930
C - Gage Length	
L6-250 Cu.In.	4.781-4.791
V8-305 & 350 Cu.In.	4.781-4.791
D - Overall Head Diameter	
L6-250 Cu.In.	1.495-1.505
V8-305 Cu.In.	1.495-1.505
V8-350 Cu.In.	1.495-1.505
E - Angle of Face	45°
F - Guide Diameter	
L6-250 Cu.In.	.3427-.3437
V8-305 & 350 Cu.In.	.3427-.3437
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-305 & 350 Cu.In.	23°
I - Valve Seat (cutter) Diameter	
L6-250 Cu.In.	1.321-1.327
V8-305 & 350 Cu.In.	1.321-1.327

PRINCIPAL COMPONENTS

VALVE LIFT

L6-250 cu.In. ....	.3880 Inlet; .4051 Exhaust
V8-305 Cu.In. ....	.3727 Inlet; .4100 Exhaust
V8-350 Cu.In. ....	.3900 Inlet; .4100 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	64°
Closes - ATC	50°
Duration	294°
V8-305 Cu.In.	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	64°
Duration	272°
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°

PISTONS

Material	Cast aluminum alloy
Head Type	
L6-250 Cu.In.	Sump head
V8-305 & 350 Cu.In.	Sump
Skirt Type	Slipper
Top Land Clearance	
L6-250 Cu.In. ....	.0245-.0335
V8-305 Cu.In. ....	.0245-.0335
V8-350 Cu.In. ....	.0235-.0325
Skirt Clearance	
L6-250 Cu.In. ....	.0005-.0015
V8-305 Cu.In. ....	.0017-.0042
V8-350 Cu.In. ....	.0007-.0017
Compression Ring Groove Depth	
L6-250 Cu.In. ....	.2153-.2218
V8-305 Cu.In. ....	.2003-.2073
V8-350 Cu.In. ....	.2218-.2308
Oil Ring Groove Depth	
L6-250 Cu.In. ....	.2093-.2158
V8-305 Cu.In. ....	.2103-.2193
V8-350 Cu.In. ....	.2038-.2103
Pin Bore Offset .....	.055-.065
Compression Height	
L6-250 Cu.In.	1.658-1.662
V8-305 Cu.In.	1.558-1.562
V8-350 Cu.In.	1.558-1.562

PISTON PINS

Material	Chromium steel
Length	
L6-250 Cu.In.	2.990-3.010
V8-305 & 350 Cu.In.	2.990-3.010
Diameter	
L6-250 Cu.In. ....	.9270-.9273
V8-305 & 350 Cu.In. ....	.9270-.9273
Clearance in Piston	
L6-250 Cu.In. ....	.00015-.00025
V8-305 & 350 Cu.In. ....	.00025-.00035

PRINCIPAL COMPONENTS

COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
L6-250 Cu.In.	Wear resistant coating molybdenum inlay, graphite impregnated
V8-305 & 350 Cu.In.	Chrome flash
Width	
L6-250 Cu.In.	.0775-.0780
V8-350 Cu.In.	.0775-.0780
V8-305 Cu.In.	.0770-.0780
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-305 Cu.In.	.167-.177
V8-350 Cu.In.	.190-.200
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
Face	Tapered
Coating	
L6-250 Cu.In.	Wear resistant
V8-305 & 350 Cu.In.	Wear resistant
Width	
L6-250 Cu.In.	.0770-.0780
V8-305 & 350 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-305 Cu.In.	.167-.177
V8-350 Cu.In.	.190-.200
Gap	
L6-250 Cu.In.	.010-.020
V8-305 Cu.In.	.010-.025
V8-350 Cu.In.	.013-.025

OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Width (assembled)	
L6-250 Cu.In.	.1850-.1870
V8-305 Cu.In.	.1859-.1879
V8-350 Cu.In.	.1850-.1870
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-305 Cu.In.	.138-.143
V8-350 Cu.In.	.150-.156
Gap	
L6-250 Cu.In.	.015-.055
V8-305 Cu.In.	.010-.035
V8-350 Cu.In.	.015-.055
Rail Coatings	Chrome plated

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
L6-250 Cu.In.	5.695-5.705
V8-305 & 350 Cu.In.	5.695-5.705

CONNECTING ROD BEARINGS

Material	
L6-250 Cu.In.	Premium aluminum
V8-305 & 350 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-305 & 350 Cu.In.	.0013-.0035
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-305 & 350 Cu.In.	2.1012
Effective Length	
L6-250 Cu.In.	.807
V8-305 & 350 Cu.In.	.797
End Play	
L6-250 Cu.In.	.007-.016
V8-305 & 350 Cu.In.	.006-.016

FUEL TANK

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

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
In Carburetor Inlet	Paper

FUEL PUMP ASSEMBLY

Type	Mechanical; diaphragm
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range (shut off pressure at 1800 RPM)	
L6-250 Cu.In.	4.00-5.00 PSI at pump outlet
V8-305 Cu.In.	7.50-9.00 PSI at pump outlet
V8-350 Cu.In.	7.50-9.00 PSI at pump outlet

AIR CLEANER

Type	Cylindrical with air horn attached to ducted air inlet
Diameter	
L6-250 Cu.In.	12.62
V8-305 Cu.In.	15.48
V8-350 Cu.In.	15.48
Filter Element	Oil-wetted paper

CARBURETORS

Make and Type	
L6-250 Cu.In.	1-barrel, Monojet
V8-305 Cu.In. (LG3)	2-barrel
V8-350 Cu.In. (LM1)	4-barrel
SAE Flange Type	1.50
Throttle Bore	
L6-250 Cu.In.	1.69
V8-305 Cu.In.	1.69
V8-350 (LM1)	
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
V8-305 Cu.In.	1.19
V8-350 (LM1) Cu.In.	
Primary	1.218
Secondary	Air valve

CHOKE

Type	Automatic
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EXHAUST SYSTEMS

TYPE

L6-250 Cu.In.	Single with crossover pipes and converter
V8-305 & 350 Cu.In.	Single with crossover pipes and converter

MUFFLERS

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

Head

L6-250 Cu.In. . . . .	.054 sheet steel, aluminized
V8-305 Cu.In. . . . .	.054 sheet steel, aluminized
V8-350 Cu.In. . . . .	.054 sheet steel, aluminized

Shell

L6-250 Cu.In. . . . .	.048 sheet steel, zinc coated
V8-305 Cu.In.054 sheet steel, zinc coated
V8-350 Cu.In.054 sheet steel, zinc coated

Cover

Length, Body	26.25
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Width

L6-250 Cu.In.	10.50
V8-305 Cu.In.	11.00
V8-350 Cu.In.	11.00

Height

L6-250 Cu.In.	4.06
V8-305 Cu.In.	4.50
V8-350 Cu.In.	4.50

(*) - California only.

EXHAUST CROSSOVER PIPE

Dimensions (O.D.) & Wall Thickness

V8-305 Cu.In.	2.0 x .040 laminated
V8-350 Cu.In.	2.0 x .040 laminated

EXHAUST PIPE - CONVERTER TO MUFFLER

Dimensions (O.D.) & Wall Thickness

L6-250 Cu.In.	2.50 x .071
V8-305 Cu.In.	2.50 x .071
V8-350 Cu.In.	2.50 x .071

EXHAUST PIPE - MUFFLER TO RESONATOR

V8-350 (LM1)

(Station Wagons)	2.25 x .056
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RESONATORS (V8-350 with St. Wag.)*

Type	Bottle type
Inner tube036 sheet steel, aluminized
Outer tube . . . . .	.060 sheet steel, aluminized

TAIL PIPES

Dimensions (O.D.) & Wall Thickness

L6-250 Cu.In.	2.00 x .071
V8-305 & 350 Cu.In.	
Sedan & Coupes	2.00 x .071
Sta. Wags. & Pickups	2.25 x .071

EXHAUST PIPE TO CONVERTER

Dimensions (O.D.)

L6 250 Cu.In.	
Federal	2.0
California	2.25
V8 305 Cu.In.	2.5
V8 350 Cu.In.	2.5

EMISSION CONTROL EQUIPMENT

SYSTEM APPLICATION

System Type	Engine Adaptation		
	L6-250	V8-305 (LG3)	V8-350 (LM1)
PCV - Positive Crankcase Ventilation	***	*	***
EGR - Exhaust Gas Recirculation	***	*	***
CHA - Carburetor Hot Air	***	*	***
MAI - Manifold Air Injection	**	*	** (a)
FEC - Fuel Evaporation Control System	***	*	***
CCS - Controlled Combustion System	*	*	* (b)
UFC - Underfloor Converter	***	*	***
EFE - Early Fuel Evaporation	***	*	***
MMC - Monolith Manifold Converter	**	-	-

*-Not available in California.

**--California only.

***--Available - all states.

(a) And above 4000 feet.

(b) Below 4000 Feet only.

BASIC FUNCTION OF SYSTEMS

POSITIVE CRANKCASE VENTILATION

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

EXHAUST GAS RECIRCULATION SYSTEM

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

CARBURETOR HOT AIR

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

MANIFOLD AIR INJECTION

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

MONOLITH MANIFOLD CONVERTER

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

FUEL EVAPORATION CONTROL SYSTEM

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

CONTROLLED COMBUSTION SYSTEM

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

UNDERFLOOR CONVERTER

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

EARLY FUEL EVAPORATION

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

LUBRICATION SYSTEM

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	
L6	Main and conn. rod bearing throw off
V8	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	
L6	Nozzle sprayed
V8	Centrifugally oiled from camshaft bearing
Oil Pressure Sending Unit	
Type	Electric
Actuation	Opens or closes circuit @ 2 to 6 PSI
Oil Filler	
Cap	Positive seal
Location	
L6 Engine	Forward end of rocker cover
V8 Engines	Rearward of left rocker cover

OIL PAN CAPACITIES (Quarts)

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

LUBRICANT GRADES AND TEMPERATURES

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

OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs.
Oil Pressure	
L6-250 Cu.In.	36-41 PSI @ 2000 RPM
V8-305 & 350 Cu.In.	32-40 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM)	
L6-250 Cu.In.	4.3 @ 2000
V8-305 & 350 Cu.In.	4.3 @ 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 Engine	Right side, rear of engine block
V8 Engines	Left side, rear of engine block

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

CLUTCHES AND TRANSMISSIONS

CLUTCHES

Engine	Type - Cubic Inch	L6-250	
	Availability	Standard	
Type		Single dry disc	
Clutch Cover & pressure plate	Eff. plate load, lbs.	1650-1900	
	Press. plate mat.	Cast iron	
	Clutch spring type	Diaphragm	
	Clutch spring matl.	Heat treated spring steel	
Driven plate	Type	Single disc with two friction surfaces	
	Cushions	Flat spring steel between friction rings	
	Dampers	(a)	
	Friction rings	OD	9.12
		ID	6.12
		Total area sq. in.	71.82
		Material	Woven type asbestos
Flywheel & Ring Gear	Flywheel Material	Cast iron	
	Ring gear	Material	Heat treated HR steel
		No. of teeth	153
		PD	12.75
	Attachment	Shrink fit	
Bearings	Release	Type	Single row ball
		Lubrication	None, prepacked
	Pilot	Type	Bronze bushing
		Lubrication	Sintered oil impregnated
Controls	Clutch for,	Drop forged steel, pivot mounted on ball	
	Pedal mounting	Pendant, from brace on dash	
	Lubrication	Crossover shaft	
Clutch housing material		Aluminum alloy	

(a) 6 outer coil springs and 3 inner coil springs equally spaced

3-SPEED TRANSMISSIONS

Transmission Type		3-Speed	
Engine	Type - Cubic Inch	L6-250	
	Availability	Base	
Case Material		Cast iron	
Gear Shift	Type	Remote	
	Control	Lever	
	Location	Steering column	
Gears	Type	Helical	
	Material	Forged steel hardened	
	Synchronization	All forward gears	
	Constant mesh gear	All gears	
	Sliding gears	None	
	Ratio	First	3.11
		Second	1.84
Third		1.00	
Reverse		3.22	
Lubricant	Type	Meeting Military Specifications MIL-L-2105B	
	Capacity (pts)	3	
Extension	Material	Cast iron	
	Oil Seal	Steel encased seal of spring loaded silicone	

TRANSMISSIONS

TURBO HYDRA-MATIC TRANSMISSION

Engine	Displacement	L6-250 Cu.In.	V8-305 & 350 Cu.In.	
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		
Flywheel assembly	Steel stamping with welded on ring gear			
Hydraulic System	Oil pressure pump	Supplies hydraulic pressure from an engine driven gear type pump		
	Type	Steel spool valve		
	Valves	Manual Pressure regulator	Establishes range of transmission operation	
		Shift (1-2)	Provides main line pressure	
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1	
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2	
	Modulator	Regulates line pressure with modulator oil pressure which varies with torque to transmission		
	Accumulator	Provides greater flexibility in attaining desired shift quality for various engine requirements		
	Pressure @ Idle (b)	Drive	55	60
		L2	80	87
L1		80	87	
Reverse		84	91	
Converter Assembly	Pump (Drive member)	Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing		
	Turbine (Driven member)	Steel axial flow blades assembled between inner & outer steel shells		
	Stator assembly	Aluminum multivane type blades mounted on a one way (overrunning) roller clutch		
	Stall ratio	2.00		
	Stall speed (RPM)	2110		
	Diameter (nominal)	11.75		
Planetary Gear Set	Reaction carrier assembly	4 steel pinion gears		
	Output carrier assembly	4 steel pinion gears		
	Intermediate band	Circular steel with organic lining		
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1	
		L2 (Low two)	2.52:1 - 1.52:1	
		L1 (Low one)	2.52:1	
		R (Reverse)	1.94:1	
Servo Unit	Piston with release spring and inner cushion spring			
Case	Material	Aluminum		
Clutches	Type	Three, multiple disk	Four, multiple disk	
	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	3 each drive & driven plates	4 each drive & driven plates	
	Intermediate clutch	3 each drive & driven plates	3 each drive & driven plates	
	Low & Reverse clutch	4 each drive & driven plates	5 each drive & driven plates	
Release spring	Radial row steel coil			
Torque Multiplication	Drive (maximum)	5.04:1 to 1.00		
	Low 2	5.04:1 to 1.52		
	Low 1	5.04:1 to 2.52		
	Reverse	3.88:1 to 1.94		
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	Dexron II		
	Capacity (pints)	Dry	20	
		Refill	8	

(a) Floor mounted available when bucket seats are used; quadrant changes to P-R-N-3-2-1.

(b) Conditions: 600 RPM input

COOLING SYSTEM

GENERAL

Type Pressure vented thru
coolant recovery system

Capacity with Heater

L6-250 Cu.In. 14.2 qts.
V8-305 & 350 Cu.In. 16.6 qts.

RADIATOR

Make and Type Harrison, tube and center
Core constant and thickness

Distance between fins

L6-250 Cu.In.18 Syn. & .14 Auto.
V8-305 Cu.In.22
V8-350 Cu.In. (LM1)16

Distance between tubes

..... .55

Thickness of core

L6-250 Cu.In. 1.24
V8-305 Cu.In. 1.24
V8-350 Cu.In. 1.24

Frontal area (sq.in.)

L6-250 Cu.In. 353
V8-305 & 350 Cu.In. 480

Overflow Separate coolant bottle

RADIATOR HEAVY DUTY (RPO V01)

Core constant and thickness

Distance between fins

L6-250 Cu.In.16
V8-305 Cu.In.16
V8-350 Cu.In.16

Distance between tubes

..... .55

Thickness of core

L6-250 Cu.In. 1.96
V8-305 Cu.In. 1.96
V8-350 Cu.In. 1.96

Frontal area (sq. in.)

L6-250 Cu.In. 353 Syn. & 480 Auto.
V8-305 & 350 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°

RADIATOR HOSE

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

FAN

Number of Blades 4, staggered
Diameter
L6-250 Cu.In. 17.62
V8-305 & 350 Cu.In. 19.00
Fan pulley pitch diameter 7.00

BELTS, CRANKSHAFT, FAN AND GENERATOR

Number used One
Angle of "V" 34°-38°
Pitch line
L6-250 Cu.In. 38.00
V8-305 & 350 Cu.In.
all states except Calif. 44.50
V8-350 Cu.In. used in Calif. 47.00
Width380

WATER PUMP

Type Centrifugal
Capacity
L6-250 Cu.In. 24.4 GPM @ 2000 engine RPM
V8-305 & 350 Cu.In. 21.6 GPM @ 2000 engine RPM
Bearing Permanently lubricated double row ball
Drive Fan belt
Ratio (Pump to Engine RPM)
L6-250 Cu.In. 1.65:1
V8-305 & 350 Cu.In.949:1

DRAIN LOCATIONS AND TYPE

Engine Block - Plug
L6 Engine Left side rear
V8 Engines Right and left center
Radiator-Petcock
All types Lower left rear face

1970-76 CHEVROLET PRODUCTION OPTIONS

AB7	Window — Rr. Quarter Louvered	A76	H.D. Seat Cushion & Back	B90	Molding — Side Window Reveal
AB8	Window — Rr. Qtr. Formal Style	A85	Shoulder Harness — Deluxe Frt.	B93	Guards — Door Edge
AC3	Seat Adjuster — 6 Way Power. Bucket	A90	Lock Release — Rr. Compt. Lid. Remote Control Elec.	B94	Emblem — Body "GT"
AD3	Glass — Hinged Roof Window	A99	Glove Box Lock	B95	Appique — Pillar
AD7	Window — Rr. Qtr. Tearout Less Louvers			B96	Molding — Wheel Opening
AE1	Glass — Roof Panel			B97	Spoiler
AG1	Seat Adjuster — 6 Way Power. Driver (60-40)	BB4	Map Pocket	CA1	Roof — Steel Sliding Sun. Electric
AG2	Seat Adjuster — 6 Way Power. Pass. (60-40)	BB8	Interior Ornamentation — Door Trim Mldg.	CB4	Vinyl Padded Roof (Integral Pad) — Rear
AG7	Seat Adjuster — 6 Way Power. Driver (50-50)	BC1	Interior Ornamentation — Wood Grain	CB5	Vinyl Padded Roof (w/ 1/4" Pad) — Full
AK1	Belts — Deluxe	BC5	Interior Ornamentation — Load Compt. — Carpet	CB7	Vinyl Padded Roof (Integral Pad) — Front
AM6	Seat Asm. — Frt. Seat Split (60-40) W/Center Arm Rest	BF2	Carpet — Floor Covering — Deluxe	CC1	Panel — Removable Roof Hatch
AM7	Folding Rear Seat Asm.	BG1	Floor Mat — Heavy Duty	CD2	W/S Washer Jar Fluid Level Monitor
AN5	Seat Asm. — Pass. Reclining (40-40)	BG9	Covering — Floor — Rubber	CD4	Washer & Wiper — Windshield. Pulse System
AN6	Seat Back — Adjustable. Driver	BS1	Quiet Sound Group	CF4	Roof — Sliding Sun
AN7	Seat Asm. — Bucket. Shell Type Swivel	BS2	Acoustical Package	CF5	Astro Roof — Elec.
AQ4	Seat Asm. — Sta. Wag. 3rd Seat	BW2	Molding — Body Side Protection	CO4	Vinyl Padded Roof (w/ 1/4" Pad) — Rear
AQ9	Seat Asm. — Bucket. Pass. Reclining	BW6	Exterior Decor Package	CO9	Vinyl Padded Roof (Integral Pad) — Full
AR5	Seat Asm. — Bucket. European Style	BW7	Ext. Ornamentation — Pillar Appique	C18	Black Windshield Wiper and Blade
AR9	Seat Asm. — Bucket. European Style	BX1	Ext. Ornamentation — Front End Panel	C24	Wipers — Recess Parked
AS4	Rear Seat Deluxe Shoulder Harness	BX3	Exterior Ornamentation — Wood Grain Side Panel	C41	Heater & Defroster — Outside Air
AT6	Recliner Seat — RH Manual	BX6	Ext. Ornamentation — Mldg. and Appique	C46	Heater — Hi-Flow
AT8	Seat Asm. — Adjustable. (50-50) Pass. Reclining	BX7	Door Edge Guards	C49	Defogger — Rear Window. Electric
AU1	Key — Single Car	BX8	Molding — Used W/Two Tone Paint	C50	Defogger — Rear Window
AU3	Lock — Side Doors. Electric	BX9	Ornamentation — Front End Panel	C51	Deflector — Station Wagon Air
AU4	Lock — Side Door. Electric Automatic	BY1	Ext. Ornamentation — Body Emblem	C54	Heated Rr. Window Defogger
AU5	Lock — Seat Back & Side Door. Electric	BY2	Police Body Equipment	C60	Air Conditioner — Manual Cont.
AU6	Lock Release — Tail Gate. Remote Control Electric	BY4	Int. Ornamentation — Inst. Panel Monogram	C61	Air Conditioner — Auto. Cont.
AU7	Key — Single — For Total Fleet	B1Q	Lock — Power Tail Gate	C65	Air Conditioner — Semi-Auto. Cont.
AV3	Cargo Tie Downs	B3X	Estate Equipment	C80	Switch — Frt. Door Jamb
AV7	Seat Asm. — Front (50-50)	B02	Special Body — Taxi Cab	C81	Switch — Rear Door Jamb
A01	Glass — Tinted. All Windows (Tinted Windshield)	B07	Special Body — Police Car.	C87	Lamp — Rear Qtr. Courtesy
A02	Glass — Tinted. Windshield (Tinted Upper)	B09	H.D. Police Package	C88	Lamp — Rear Compt. Courtesy
A20	Glass — Rear Qtr. Vent. Swing Out	B22	Emblem — Door	C90	Lamp — Combination Courtesy & Door Wiring
A31	Window — Power Operated. All (Exc. Vent)	B26	Handle — Door Pull Interior	C91	Lamp — Front Dome
A39	Seat Belts — Frt., Rr., Ctr. Deluxe Type	B28	Floor Mats — Carpet Insert	C93	Lamp — Ops — Exterior Lock Pillar or Sail Panel
A41	Frt. Seat Elec. CH — 4-Way Bench Seat	B30	Carpet — Floor Covering	C95	Lamp — Dome & Reading
A42	Seat Adjuster 6-Way Power. Single Unit	B32	Mat — Front Floor Throw	C97	Lamp Courtesy — Door Handle Operated
A44	Seat Adjuster	B33	Mat — Rear Floor Throw	DF3	Mirror — Remote Control RH. Chrome
A46	Elec. 4-Way Seat Adjuster (L.H. Bucket Seat Only)	B34	H.D. Frt. Floor Mats	DH5	Mirror — Visor Vanity — Left
A50	Seat Asm. — Front Bucket — Formed	B35	H.D. Rr. Floor Mats	D19	Mirror — Rear View RH. Sport Type
A51	Seat Asm. — Bucket (L & R) Contour	B36	Mat — Luggage Compartment	DL1	Decals and Stripes
A52	Seat Asm. — Bench	B37	Floor Mats — Front & Rr.	DX4	Trim — Accent Stripes
A65	Seat Back — Frt. Seat Split	B39	Carpet — Load Floor and Deck Lid	DX9	Trim — Accent Stripes
A66	Seat Back — 2nd Seat Split	B44	Carpet — Load Floor Seat Back	D24	Litter Container
A75	Seat Asm. — Heavy Duty — Front	B48	Luggage Compt. Trim	D31	Mirror — Inside Tilt Rearview (Non Glare)
		B51	Moulding — Rocker Panel Wide	D33	Mirror — Remote Control LH. Chrome
		B65	Trunk Asm. — Floor Cover	D34	Mirror — Visor Vanity
		B71	Exterior Ornamentation — Custom Whi. Opening Mldgs.	D35	Mirror — Remote Control LH. Custom
		B75	Lining — Luggage Compt.		
		B77	Molding — Windshield Reveal		
		B79	Exterior Ornamentation — Rr. End		
		B80	Molding — Roof Drip		
		B83	Molding — Rocker Panel		
		B84	Molding — Body Side		
		B85	Molding — Belt Reveal		
		B86	Molding — Custom Rear Qtr. Lower		
		B89	Molding — Back Window Reveal		

1970-76 CHEVROLET PRODUCTION OPTIONS

T33 Nameplate — Front Fender
 T41 Hood — Special Sheet Metal
 T44 Lock — Hood Interior Operated
 T52 Ornamentation — Front
 T53 Molding — Front Fender
 T58 Skirt — Rear Wheel Opening
 T60 Battery Case — H.D. Plastic
 T63 Headlamp — On Warning System (Buzzer)
 T70 Lamp Group
 T81 Headlamp Delay Package
 T82 On-Off Control — Headlamp Automatic
 T87 Lamps — Cornering
 T93 Lamp — Tail & Stop Reflex Asm

 UA1 Battery — Heavy Duty
 UB7 Cluster Asm. — Warning and Trip Odometer
 UE8 Clock — Electric (Digital)
 UF3 Lamp — Map (W/Sun Visor Support)
 UF7 Cluster — Oil Temp., Volt Meter, Fuel Economy
 UF8 Switch — Dimmer headlamp
 UM1 Lamp Monitor — Electric
 UM1 AM Radio & 8 Track Tape Player
 UM2 AM-FM Stereo Radio & 8 Track Tape Player
 UN9 Radio Suppression Equip.
 UO5 Dual Horns
 UR1 Fuel Economy Vacuum Gauge
 UX6 Front Dual Speakers
 UX9 Speaker — Front
 UY8 Radio — AM/FM — Digital Clock
 UO5 Dual Horns
 UO9 Horn — Four Note
 U11 Police Car Speedo
 U14 Rally Gauge — Tach & Clock
 U15 Speed Alert — Trip Odometer
 U18 Kilo Speedo
 U21 Instrument Panel Gauges
 U25 Lamp — Luggage Compart.
 U26 Lamp — Engine Compart.
 U27 Lamp — Inst. Panel Compart.
 U28 Lamp — Ash Tray
 U29 Lamp — Inst. Panel Courtesy
 U30 Instrument Gauges
 U35 Electric Clock
 U37 Lighter — Cigar
 U38 Warning System — Low Coolant
 U41 Indicator — Low Fuel
 U46 Monitor — External Lamp
 U57 Player — Tape
 U58 Radio — Stereo (W/Antenna)
 U63 Radio — Pushbutton Control (W/Antenna)
 U69 Radio — AM-FM (W/Antenna)
 U75 Antenna — Power
 U76 Antenna — Windshield Embedded
 U80 Speaker — Rear Auxiliary
 U81 Speaker — Rear, Dual
 U89 Wiring harness — Car Trailer (5 Wire)
 U90 Wiring harness — Roof Flasher
 U94 Light Cable — Trailer (7 Wire)

VE5 Strip — Front & Rr. Bumper Impact
 VF6 Bumper — Rear Step
 VG4 Protector — Bumper Filler
 VGB Bumper — Rear With Vinyl Insert
 VJ9 Exhaust Emission Level (Calif. Cars)
 VK1 License Plate — Frt. Mounting Pkg.
 VK3 Mounting — Frt. Lic. Plate
 VO1 Radiator — Heavy Duty (Var. 1)
 VO2 Radiator — Heavy Duty (Var. 2)
 V30 Guards — Frt. & Rr. Bumper
 V31 Guards — Front Bumper (Chrome)
 V32 Guards — Rear Bumper — (Chrome)
 V55 Carrier — Roof Luggage
 V56 Lock & Trim — Luggage Compartment
 V65 Bumper — Light Duty
 V81 Trailer Provisions — SAE Class 1 (2000 lbs.)
 V82 Trailer Provisions — SAE Class 2 (3500 lbs.)

 WA3 Power Seat — 6 Way (Pass. & Driver)
 WA5 Dual Speakers (frt. & Rear)
 WB2 AM Stereo Radio Tape
 WB3 AM-FM Stereo Radio Tape
 BW4 AM-FM Stereo Radio
 WB6 Gauges — Instrument Cluster W/Clock
 WB7 Vinyl Roof — Rear Vinyl (Pad Attached)
 WC2 Moulding Package
 WC4 Convenience Group
 WC9 Exhaust Emission Group (Calif.)
 WD3 Appearance Group
 WD4 Accessory Package
 WF5 Custom Trim Group
 WH3 Appearance Group
 WH4 Tachometer & Clock
 WH5 Handling Package
 WJ7 Leather — Custom
 WO2 Wood Grain Group
 WT1 Suspension — Bias Tire
 WU2 G.T. Option
 WU7 Third Seat — Wagon
 WW8 Instrument Panel Tach., Rally Clock, Gauges
 WY5 Suspension — Radial Tuned
 W20 Convenience Group
 W50 Appearance Group
 W60 Appearance — Special Sport
 W61 Decor — Simulated Wood
 W62 Luxury Appointment Group
 W63 Rally Clock & Gauges
 W66 400 Sport Option
 W71 Seat — Custom Front & Rear

 YC6 Estate Wood Grain — Vega
 YD1 Towing Package
 YE4 Exterior & Interior Deluxe
 YF3 "Heavy Chevy" Exterior Decor
 YF4 Guard & Strip — Bumper
 YF8 Black Paint Stripe
 YJ8 Cast Aluminum wheels

YJ9 Exterior Decor Package
 Y02 Seat — Front Custom
 Y03 Seat — Rear Custom
 Y05 Deaener — Floor
 Y07 Molding — Side Window Reveal
 Y10 Custom Doors and Qtr.
 Y11 Seat — Front — Special Design
 Y12 Seat — Rear — Special Design
 Y19 Molding — Body Side Lower
 Y40 Heavy Duty Cooling
 Y51 Molding Group
 Y53 Frt. & Rr. Bumper Guards
 Y56 Accessory Group
 Y60 Convenience Group
 Y62 Instrument Cluster — Social Features
 Y66 SX Package
 Y67 Low Washer Fluid Level Indicator
 Y70 Strips — Decal
 Y71 Outside Temp. Indicator
 Y72 H.D. Engine Cooling
 Y74 Moldings — Rocker and Wheel Opng.
 Y79 Appearance Option
 Y82 Golden Anniversary
 Y83 LJ Option
 Y90 Custom Trim
 Y92 Lamp Group
 Y96 Firm Ride Option
 Y97 SJ Option
 Y99 Handling Package

 ZE2 Olympic Edition Program Content
 Z11 Custom Interior
 Z12 Custom Exterior
 Z13 Interior Decor and Convenience Group
 Z14 Seat Belt, Check Doors, Low Fuel Warning Lites
 Z15 Exterior Decor
 ZK7 Noise Level Control
 ZL2 Special Ducted Hood Air System
 ZL9 Luxury Interior
 ZNS Color Coded Rally Wheels
 ZXS Appearance Group
 Z01 "Spyder" Model
 Z02 Spyder Appearance Equipment
 Z03 Landau Equipment
 Z06 Luxury Interior Trim
 ZP5 Appearance Guard Group
 ZQ2 Operating Convenience Group
 ZQ9 Rr. Axle Performance Ratio
 ZR8 Sport Stripes — White
 Z10 Monza "LX" Package
 Z15 S.S. Model
 Z20 Paint — Two-Tone Accent Pkg
 Z20 Two Tone Accent Package
 Z21 Style Trim
 Z25 "SS" 395 Package
 Z26 S.S.
 Z29 G.T. Option
 Z54 Interior Decor/Quiet Sound Group
 Z60 Monza Towne Coupe
 Z76 Monte Carlo "S" Package
 Z85 Rally Sport Equipment
 Z95 Catalytic Converter Deletion
 Z95 Leaded Fuel Option

1977 MVMA Specifications Form Passenger Car

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line CHEVELLE	
Mailing Address Chevrolet Engineering Center 30003 Van Dyke Ave. Warren, Michigan 48090	Model Year 1977	Issued: Sept. 1976
		Revised (e) Feb., 1977

Sheets revised - 2, 3, 5, 11, 16, 19, 22, 25

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MVMA Specifications Form

Passenger Car

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NOTES:

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

**MVMA Specifications Form
Passenger Car**

Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (e) _____

Car Models

Model Description	Make, Car line, Series, Body Type (Mfr's Model Code)	Max. Number of Passengers (Front/Rear)	
		<u>Model Number</u>	<u>Front</u> <u>Rear</u>
<u>MALIBU</u>			
2-Door Coupe	1AC37	3	3
4-Door Sedan	1AC29	3	3
<u>MALIBU CLASSIC</u>			
2-Door Coupe	1AD37	3	3
4-Door Sedan	1AD29	3	3
<u>STATION WAGONS</u>			
Malibu 4-Door, 2-Seat	1AC35	3	3
Malibu Classic 4-Door, 2-Seat	1AD35	3	3
<u>EL CAMINO</u>			
Standard 2-Door Sedan Pickup	1AC80	3	-
Classic 2-Door Sedan Pickup	1AD80	3	-

NOTE: Any Specifications on the following pages that are specific to California Requirements are indicated accordingly.

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
Model Year 1977 Issued 9/76 Revised (●) 2/77

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

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

SAE Ref. No.	Body Type			
	4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pickups

Width

Tread - Front	W101	61.5		
Tread - Rear	W102	60.7		
Maximum overall car width	W103	77.3		
Body width at No. 2 pillar	W117	75.5	--	75.2
Max. front doors open	W120	139.7	170.7	170.7
Max. rear doors open	W121	134.7	--	134.7

Length

Body "O" to front of dash	L 30	-0.5		
Wheelbase	L101	116.0	112.0	116.0
Overall car length	L103	209.7	205.7	215.4
Overhang - front	L104	40.2		
Overhang - rear	L105	53.5	--	59.2
Body upper structure length	L123	101.3	102.0	133.2
Body "O" line to C/L of rear wheel	L127	97.5	93.5	97.5
Body "O" line to w/s cowl point	L125	10.5		

Height

Passenger Distribution (front & rear)	*	2-3		2-Front
Trunk/Cargo load (lbs.)	-	0		
Overall height	H101	54.1	53.4	55.8
Cowl height	H114	39.0		39.6
Deck height	H138	36.5	36.4	--
Rocker panel - front	H112'	To ground	9.0	9.1
From front wheel C/L		--	--	--
Bottom of front door to ground	H133	9.8	9.7	10.5
Rocker panel - rear	H111	To ground	8.4	8.5
From rear wheel C/L		--	--	--
Bottom of rear door to ground	H135	9.1	--	10.4
Windshield slope angle	H122	56.5°		

Ground Clearance

Bumper to ground - front	H102	12.2	12.3		13.4
Bumper to ground - rear	H104	11.8	11.7	11.6	12.1
Angle of approach	H106	19.7	19.8	19.4	19.8
Angle of departure	H107	15.49	15.43	13.49	15.68
Ramp breakover angle	H147	14.04	14.60	14.63	14.37
Rear axle differential to ground	H153	6.6	6.6	6.9	6.8
Min. running clearance (Specify)	H156	5.4 (d)	5.4 (d)	6.1 (d)	6.2 (d)

(d) Catalytic Converter

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

With Impact Strips

	4-Dr.	2-Dr.	Wagons	Pickup
(a) L103	210.7	206.7	216.4	214.3
(b) L104	40.7	40.7	40.7	40.7
(c) L105	54.0	54.0	59.7	57.6

MVMA Specifications Form Passenger Car

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

Body Type

SAE Ref. No.	4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pickup
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Front Compartment

SAE Ref. No.	4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pickup
H Point to body "D" line	L31 42.3			
Effective head room	H61 37.9	37.2	38.5	37.2
Effective T Point head room	H75 38.1	37.4	38.6	37.4
Max. eff. leg room - accelerator	L34 42.4		42.3	42.4
H Point to Heel point	H30 8.4			
H Point travel	L17 5.1			
Shoulder room	W3 59.6			
Hip room	W5 54.7	54.8	54.7	54.8
Upper body opening to ground	H50 49.9	49.2	50.6	49.2
Steering Wheel Angle Vertical	H-18 17.9°			
Back Angle Front	L-40 26.5°			

Rear Compartment

SAE Ref. No.	4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pickup
H Point couple distance	L50 34.6	31.0	33.1	--
Effective head room	H63 37.3	36.7	39.2	--
Effective T Point head room	H76 37.0	36.5	39.2	--
Min. effective leg room	L51 36.9	32.9	33.3	--
H Point to Heel point	H31 11.0	10.1	11.3	--
Min. knee room	L48 1.4	-1.3	0.0	--
Rear Compartment room	L3 26.7	24.2	27.3	--
Shoulder room	W4 58.9	58.0	58.9	--
Hip room	W6 57.8	52.7	55.1	--
Upper body opening to ground	H51 49.0	--	50.6	--

Luggage Compartment

SAE Ref. No.	4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pickup
Usable luggage capacity (cu. ft.)(+)	V1 14.9	14.5	--	26.2
Liftover height	H195 22.2	21.5	24.2	26.4
Position of spare tire storage	Centered in forward trunk area		(a)	(b)
Method of holding lid open	Boxed hinges with torsion rod		(c)	--

- (a) - Right rear quarter.
- (b) - Behind passenger's seat.
- (c) - Station wagons, compression spring type telescoping mechanism.
- (+) - Corporation "H" (Shoe Box) method of measurement is used.

MVMA Specifications Form Passenger Car

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

Body Type

SAE Ref. No.	Station Wagons *
---------------------	-------------------------

Station Wagon — Third Seat

Shoulder Room	W85	42.7
Hip room	W88	36.5
Effective leg room	L88	27.8
Effective head room	H88	37.6
Effective T Point head room	H89	38.8
Seat facing direction		Rearward

Station Wagon — Cargo Space

Cargo length at floor - front seat	L202	90.2
Cargo length at belt - front seat	L204	82.9
Cargo width - Wheelhouse	W201	43.6
Opening width at belt	W204	42.5
Maximum cargo height	H201	30.1
Rear opening height	H202	27.4
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	85.1*

Hatchback — Cargo Space *Concealed stowage compartment (cu.ft.) 9.8 cu.ft. 2-Seat
5.8 cu.ft. 3-Seat

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

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (e) 2/77

Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY #	ENGINE (1)					TRANSMISSION	AXLE RATIO *												
	Displ. cu. in.	Carb.	Compr. Ratio	SAE Net @ RPM			Exhaust System*	(Indicate A/C ratio)											
				BHP	Torque			A(std)	B(opt)	C(std)									
All models except Station wagon Base (a)	250 L6 4.1ℓ L22	1-bbl	8.3:1	110 ● 3800	195 ● 1600	S	3-spd. manual (3.11:1 low) (b)	2.73	3.08	--									
								3-spd. Automatic (optional)	2.73(d)	3.08	3.08(c)								
Sedan, Coupe & Pickup - Opt. All exc. Calif. Station Wagon Base exc. Calif. Model 1AC35	305 V8 5.0ℓ LG3	2-bbl	8.5:1	145 ● 3800	245 ● 2400	S	3-spd. Automatic (optional)	2.56	--	--									
										2.73	--	--							
Sedan, Coupe & Pickup-Opt. All States Station Wagons Base-All States Model 1AD35 Optional-All States Model 1AC35	350 V8 5.7ℓ LM1	4-bbl	8.5:1	170 ● 3800	270 ● 2400	S	3-spd. Automatic (optional)	2.56	3.08	3.08									
											2.73	3.08	3.08						
<p># - 'Base' and 'Optional' refer to engine availability. * - Positraction available optional for all ratios. a - Air Conditioning not available in California. b - Air Conditioning and manual transmission not available on 1AD29. c - Air Conditioning not available on 1AD29 and 1AD80. d - Air Conditioning not available. 'A' & 'B' - Below 4000 feet altitude in 49 states and all altitudes in California. 'C' - Above 4000 feet altitude in all states except California.</p> <p>(1) California only</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ENGINE</th> <th>BHP</th> <th>TORQUE</th> </tr> </thead> <tbody> <tr> <td>250 L6</td> <td>90 @ 3600</td> <td>180 @ 1600</td> </tr> <tr> <td>350 V8</td> <td>160 @ 3800</td> <td>260 @ 2400</td> </tr> </tbody> </table>											ENGINE	BHP	TORQUE	250 L6	90 @ 3600	180 @ 1600	350 V8	160 @ 3800	260 @ 2400
ENGINE	BHP	TORQUE																	
250 L6	90 @ 3600	180 @ 1600																	
350 V8	160 @ 3800	260 @ 2400																	

*S - Single D - Dual

MVMA Specifications Form
Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (e)

Engine Displacement		
16-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LMI

Engine — General

Type, no. cyls., valve arr.	In-line 6 OHV	90° V8 OHV	
Bore and stroke (nominal)	3.875 x 3.53	3.736 x 3.48	4.00 x 3.48
Piston displacement, cu. in.	250	305	350
Bore spacing (C/L to C/L)	4.40		
No. system (front to rear)	L. Bank	1-2-3-4-5-6	1-3-5-7
	R. Bank	In-line	2-4-6-8
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	4° 46'		
Recommended fuel regular — premium	Unleaded		
Cylinder Head Volume (cc)	71.28	60.52	75.47
Head Gasket Thickness (Compressed)	.033	.021	.021
Head Gasket Volume (cc)	7.08	3.98	4.58
Deck Clearance (minimum) (above or below block)	.025 below	.025 below	.025 below
Minimum Combustion Chamber Volume (cc)	68.00	59.52	74.47

Engine — Pistons

Material	Cast aluminum alloy		
Description and finish	Sump head; closed, slipper skirt	Sump head; closed, slipper skirt	
Weight (piston only) oz	20.24	20.80	21.33
Clearance (limits)	Top land	.0245-.0335	.0235-.0325
	Skirt	Top Bottom	.0017-.0042 (b)
Ring groove diameter	No. 1 ring	3.434-3.444	3.541 - 3.556
	No. 2 ring	3.434-3.444	3.541 - 3.556
	No. 3 ring	3.446-3.456	3.577 - 3.592

- (a) Measured 1.66 from top of piston
 (b) Measured 1.56 from top of piston

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (●) _____

Engine Displacement		
L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LMI

Engine - Piston Rings

Function (top to bottom)	No. 1, oil or comp.	Compression		
	No. 2, oil or comp.	Compression		
	No. 3, oil or comp.	Oil		
Compression	Description - Upper material, coating, etc	Cast alloy iron, barrel face (a)		
	Lower	Cast alloy iron inside bevel tapered face (b)		
	Width	(c)	(d)	(e)
	Gap	.010-.020	(f)	(g)
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated OD; expander-stainless steel		
	Width	.1850-.1870	.1859-.1879	.1850-.1870
	Gap	.015-.055	.010-.035	.015-.055
Expanders		In oil ring assembly		

Engine - Piston Pins

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

Engine - Connecting Rods

Material	Drop forged steel		
Weight (oz)	14.24	13.70	13.70
Length (center to center)	5.695-5.705		
Bearing	Material & Type	Premium aluminum	
	Overall length	.807	.797
	Clearance (limits)	.0007-.0027	.0013-.0035
	End Play	.007-.016	.006-.016

- (a) Wear resistant coating and molybdenum inlay on L6-250 also graphite impregnated on L6-250, chrome Flash and Radius Face on 305 & 350 V8.
 (b) Wear resistant coating on L6-250 - V8-305 - V8-350; Reverse twist tapered face on V8's.
 (c) Upper .0775-.0780; lower .0770-.0780
 (d) Upper .0770-.0780; lower .0770-.0775
 (e) Upper .0775-.0780; lower .0770-.0775
 (f) Upper .010-.020; lower .010-.025
 (g) Upper .010-.020; lower .013-.025

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Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (●) _____

Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LMI
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Engine—Crankshaft

Material	Cast nodular iron			
Vibration damper type	Rubber mounted inertia			
End thrust taken by bearing (No.)	7	5		
Crankshaft end play	.002-.006	.002-.007		
Main bearing	Material & type	(a)	(b)	
	Clearance	.0003-.0029	(c)	
	Journal dia and bearing overall length	No 1	2.2999 x .752	2.4502 x .752
		No 2	2.2999 x .752	2.4502 x .752
		No 3	2.2999 x .752	2.4502 x .752
		No 4	2.2999 x .752	2.4502 x .752
		No 5	2.2999 x .752	2.4502 x .752
		No 6	2.2999 x .752	None
No 7		2.2999 x .760	None	
Dir & amt. cyl offset	None			
No bolts/main brg cap	14 bolts/7 caps	10 bolts/5 caps		
Crankpin journal diameter	1.999-2.000	2.099-2.100		

Engine—Camshaft

Location	(d)	In block above crankshaft		
Material	Cast alloy iron			
Bearings	Material	Steel backed babbitt		
	Number	4	5	
Type of Drive	Gear or chain	Gear	Chain	
	Crankshaft gear or sprocket material	Cast Iron	Sintered Iron	
	Camshaft gear or sprocket material	Aluminum Alloy	Nylon teeth with aluminum head	
	Timing chain	No of links	None	46
		Width	None	.625
Pitch		None	.500	

- (a) No. 1 - No. 6 premium aluminum
 No. 7 lower with automatic transmission premium aluminum - rear main upper and lower with manual transmission copper lead alloy.
- (b) No. 1 - No. 4 - premium aluminum.
 No. 5 lower (automatic transmission) - premium aluminum.
 No. 5 upper and No. 5 lower (manual transmission) - copper lead alloy.
- (c) No. 1 - .0008-.0020
 No. 2, 3 & 4 - .0011 -.0023
 No. 5 - .0017-.0033
- (d) Above and to right of crankshaft

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Car Line CHEVELLE
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Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LMI
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Engine—Valve System

Hydraulic lifters (Std., opt., NA)		Standard			
Valve rotator, type (intake, exhaust)		None	Exhaust		
Push rods (dia., length, material) (a)		.3125 x 9.612	.3125 x 7.724		
Rocker ratio		1.75:1	1.50:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°	28°	28°
		Closes (°ABC)	48°	64°	72°
		Duration (deg)	244°	272°	280°
	Exhaust	Opens (°BBC)	64°	78°	78°
		Closes (°ATC)	50°	30°	30°
		Duration (deg)	294°	288°	288°
	Valve open overlap (deg)		66°	58°	58°
	Material		Alloy steel, aluminized face for L6-250, V8-305		
	Overall length		4.902 - 4.922		4.870-4.889
	Actual overall head dia		1.715-1.725		1.935-1.945
Angle of seat & face (deg)		46° seat; 45° face			
Seat insert material		None			
Stem diameter		.3410-.3417			
Stem to guide clearance		.0010-.0027			
Intake	Lift (@ zero lash)		.3880	.3727	.3900
	Outer spring press. & length	Valve closed (lb. @ in.)	78-86 @ 1.66	76-84 @ 1.70	
		Valve open (lb. @ in.)	170-180 @ 1.26	194-206 @ 1.25	
	Inner spring press. & length	Valve closed (lb. @ in.)	None	Spring damper	
		Valve open (lb. @ in.)	None	Spring damper	
	Material		High alloy steel, aluminized face		
	Overall length		4.913-4.933		4.910-4.930
	Actual overall head dia		1.495-1.505		1.495-1.505
	Angle of seat & face (deg)		46° seat, 45° face		
	Seat insert material		None		
Stem diameter		.3410-.3417			
Stem to guide clearance		.0010-.0027			
Exhaust	Lift (@ zero lash)		.4051	.4100	.4100
	Outer spring press. & length	Valve closed (lb. @ in.)	76-86 @ 1.66	76-84 @ 1.61	
		Valve open (lb. @ in.)	170-180 @ 1.26	194-206 @ 1.16	
	Inner spring press. & length	Valve closed (lb. @ in.)	None	Spring damper	
		Valve open (lb. @ in.)	None	Spring damper	

(a) Welded steel tubing

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Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LMI
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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	Centri fugally oiled from camshaft bearing	
	Cylinder walls	Splash	Pressure jet cross sprayed	
Oil pump type	Gear			
Normal oil pressure (lb. @ engine rpm)	36-41 @ 2000	32-40 @ 2000		
Oil press. sending unit (elect. or mech.)	Electric			
Type oil intake (floating, stationary)	Stationary			
Oil filter system (full flow, part., other)	Full flow			
Filter replacement (element, complete)	Complete			
Capacity of c/case, less filter-refill (qt.)	4			
Oil grade recommended (SAE viscosity and temperature range)	20°F and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 0° to 60°F - 10W, 5W-30, 10W-40, 10W-30 Below 20°F - 5W-20, 10W-30			
Engine service reqmt. (SD, SE, etc.)	SE			

Engine — Exhaust system

Type (single, single with cross-over, dual, other)	Single with single converter	Single with crossover and single converter	
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		
Resonator No. & type	None		
(a) Exhaust Pipe	Branch O. D., wall thickness	2.00 x .040*	2.00 x .040*
	Main O. D., wall thickness	2.50 x .060 (c)	2.25 x .079* (c)
Tail Pipe	Material	Stainless steel tubing	
	O. D. & wall thickness	2.00 x .071	2.25 x .071
Material	Stainless steel tubing, aluminum coating		

- * - Laminated
- (a) - Crossover
- (b) - Exhaust pipe to converter
- (c) - Converter to muffler
 - L6-250 - 2.25 x .071
 - V8-350 - 2.50 x .071

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Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LM1
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Engine — Fuel System

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U. S. gals.)	Approximately 22; Pickup 26	
	Filter location	Behind hinged rear license plate (a)	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front of engine	
	Pressure range (b)	4.00-5.00	7.50-9.00
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gas tank and	
	Locations	paper filter element in carburetor inlet	
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air Cleaner type	Thermostatically controlled/ oil wetted paper element	
	Idle speed (spec. neutral or drive)	Manual	750/N
Automatic		550/D	500/D
Idle A/F mix.		Not specified	

Carburetor Supplementary Information

Model Usage	Piston Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Refer to Power Team Line-Up (Page 5) for Model Application	250 L22	Manual	Rochester	17057013	One; 1-bbl.	1.69
		Automatic		17057014 (17057314)		
	305 LG3	Automatic	Rochester	17057108	One; 2-bbl.	1.69
	350 LM1	Automatic	Rochester	17057202 (17057502)	One; 4-bbl.	1.38 Prim. 2.25 Sec.

NOTE: data bracketed () pertains to engine application specific to California

- (a) Left quarter panel on Station Wagon.
- (b) 1800 RPM at pump outlet.

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Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LM1
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Engine — Cooling System

Type system (pressure, pressure vented, atmospheric, other)	Pressure-vented thru coolant recovery system		
Radiator cap relief valve pressure	15 PSI		
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at (°F)	192°-198°	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	12.8	22.7
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
	Bearing type	Permanently lubricated double row ball	
By-pass recirculation type (inter., ext.)	Internal		
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)	Cross flow; tube and center		
Cooling system capacity	With heater (qt.)	14.24	16.6
	Without heater (qt.)		
	Opt. equipment-specify (qt.)	14.4	18.0
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
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & spacing	4-blade, staggered	
	Diameter	17.62	19.00
	Ratio-fan to crankshaft rev	1.165:1	.949:1
	Fan cutout type	None	
	Bearing type	Double row ball	
*Drive belts (indicate belt used by letter)	Fan	A	E (H)
	Generator or alternator	A	E (H)
	Water Pump	A	E (H)
	Power Steering	B	F
	Air Conditioning	C	G
	Air Injection	D	--- (H)

Note-Items bracketed () are specific to California engines.

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V				34°-38°							
Nominal length (SAE)	38.0	49.0	51.0	38.0	44.5	36.0	34.5	47.0			
Width	.440	.380	.440	.380	.380	.380	.380	.380			

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Car Line CHEVELLE
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Engine Displacement

L6-250 (L22), V8-305 & 350 Except California	L6-250 (L22) & V8-350 (LM1) California Only
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Vehicle Emission Control

Type (Air injection, engine modifications, other)		Engine modifications	Air injection
Air Injection Pump	Type	Controlled Combustion System	Semi-articulated vane type
	Displacement		19.3 cubic inch
	Drive ratio		1.15:1
	Drive type		Crankshaft pulley
	Relief valve (type)		Diverter valve
	Filter (describe)		Centrifugal air cleaner
Air Injection System	Air distribution (head, manifold, etc.)		Exhaust pipe
	Point of entry		Exhaust pipe
	Injection tube i.d.		.2700
	Check valve type		Pressure plate system
	Backfire protection (type)		Diverter valve
Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)		Controlled flow
	Valve type		Vacuum modulated shut-off and metering valve
	Valve location		L6-250 left front, V8-350 right rear of inlet Mn'fld.
	Control energy source		Carburetor vacuum
	Exhaust source		Manifold exhaust crossover
	Exhaust cooler type		None
	Orifice no. and size		One; .030
	Point of exhaust injection (spacer, carburetor, manifold, other)		Inlet manifold
Catalytic Converter System	Catalyst	Type	Platinum-palladium
		Volume	260 cu. in.
	Substrate type		Alumina
	Container location		Beneath right front underbody; Also monolith manifold converter for 250 L6
Other	Carburetor		Thermostatically controlled air cleaner
	Hot air		regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission

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Car Line CHEVELLE
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Engine Displacement

L6-250 C.I.; V8-305 C.I.; V8-350 C.I.

Vehicle Emission Control (Continued)

		Type (ventilates to atmos., induction system, other)	Standard Optional	Induction system
Crankcase Emission Control	Control Unit	Make and model		A.C. Spark Plug 6487935 (L6) 6487728 (V8)
		Location		Rocker cover-top rear L6 and left front V8
		Energy source (manifold vacuum, carburetor, other)		Manifold vacuum
		Control method (variable orifice, fixed orifice, other)		Variable orifice
	Complete System	Discharges (to intake manifold, other)		Intake manifold
		Air inlet (breather cap, other)		Carburetor air cleaner
		Flame arrestor (screen, other)		Screen
Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu. ft.)		Approximately 10% of refill capacity
		Relief pressure (psi) and location		1.1 PSI
		Vacuum relief (psi) and location		.7 PSI
		Vapor-liquid separator type		Integral with fuel tank
		Vapor vented to (crankcase, canister, other)		Canister
	Carbu- retor	Vapor vented to (crankcase, canister, other)		Atmospheric L-6 Engines Internally vented V-8 engines
				--
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister
		Volume (cu. ft.) or capacity (grams)		Approximately 50 grams storage capacity
		Control valve type		Controlled by orifices and carburetor throttle body and throttle blade position

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Engine Displacement

L6-250 C.I.	V8-305; V8-350
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Electrical — Supply System

Battery	Make and Model	Delco Remy 1980291	Delco Remy 19802040	
	Voltage Rtg & Total Plates	12V (2500 watts) 54 plates	12V (3200 watts) 66 plates	
	SAE Designation No. and/or capacity	0°-275 amps; -20°-210 amps; 60 minutes reserve capacity	0° -350 amps; -20°-270 amps 80 minutes reserve capacity	
	Location	Right side of engine compartment		
	Terminal grounded	Negative		
Generator or Alternator	Make	Delco Remy		
	Model	1102491	1102394	
	Type and rating	Diode rectified 37 amps		
	Output at engine idle (neutral)	12-20 amps		
	Ratio- Gen to Cris rev	2.73:1		
Regulator	Make	Delco Remy		
	Model	--		
	Type	Micro circuit unit; integral with alternator		
	Output relay	Closing voltage (a generator rpm)	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8-14.8 @ 85°F	
		Current	--	
	Voltage test conditions	Temperature	Operating	
		Load	3-8 amperes	
		Other	None	

Electrical — Starting System

Starting Motor	Make	Delco Remy		
	Model	1108778	1108776	
	Rotation (drive end view)	Clockwise		
Motor Drive	Engagement type	Positive shift solenoid		
	Pinion engages from (front, rear)	Rear		
	Number of teeth	Pinion	9	9
		Flywheel	Manual	153
	Auto		153	168
	Flywheel tooth face width	Manual	.4010-.4130	--
Auto		.4010-.4130	.4100-.4220	

(A) - Cold cranking rating

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Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LM1
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Electrical — Ignition System — Distributor

Breaker gap (in.)		Not applicable	
Cam angle (deg.)		Not applicable	
Brkr. arm tension (oz.)		Not applicable	
Distributor	Manual	1110678	Not available
	Automatic	1110678 (1110681)	1103239 1103246 (1103248)
Timing	Manual	6° @ 750	-
	Automatic	6° @ 600	8° @ 500 (8° @ 500)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
1110678	0 @ 1000	7 @ 1600	20 @ 4200	0 @ 4	24 @ 15
1113239	0 @ 1200	13 @ 2000	20 @ 4200	0 @ 4	15 @ 10
1113246	0 @ 1200	12 @ 2000	22 @ 4200	0 @ 4	18 @ 12
1113248	0 @ 1200	12 @ 2000	22 @ 4200	0 @ 4	10 @ 8
1110681	0 @ 1000	7 @ 1600	20 @ 4200	0 @ 4	15 @ 12
NOTE: Items bracketed () are specific to California engines					

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Engine Displacement		
L6-250	V8-305	V8-350

Electrical—Ignition System

Type	Conventional - Std., Opt., N.A.	--
	Transistorized - Std., Opt., N.A.	--
	Other (specify)	High energy ignition system (H.E.I.)
Coil	Make	Delco Remy
	Model	Integral with distributor
	Current	Engine stopped Engine idling
Spark Plug	Make	AC Spark Plug
	Model	R46TS | R45TS
	Thread (mm)	14
	Tightening torque (lb ft)	25 (original) 15 (replacement)
	Gap	.035 | .045
Cable	Conductor type	Fiberglass core impregnated with electrical conducting mat'l
	Insulation type	Rubber with silicone jacket
	Spark plug protector	Silicone rubber

Electrical—Suppression

Locations & type	
------------------	--

Electrical—Instruments and Equipment

Speedometer	Type	In-line with pointer
	Trip odometer (std. opt. N.A.)	Not available
EGR maintenance indicator		NA
Charge Indicator	Type	Tell-Tale
	Warning device	NA
Temperature Indicator	Type	Tell-Tale
	Warning device	NA
Oil pressure Indicator	Type	Tell-Tale
	Warning device	NA
Fuel Indicator	Type	Electric gauge
	Warning device	NA
Windshield Wiper	Type - standard	Electric two-speed
	Type - optional	Intermittent windshield wiper system
	Blade length	16.0"
	Swept area Sq. In.	834.8
Windshield Washer	Type - standard	Push button
	Type - optional	None
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	One; Two optional (a)
	Current draw (A) per horn	4.5-6.5 @ 12.5 (low note)
Other		Restraint system warning light and buzzer Parking brake and parking brake warning light

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Engine Displacement

L6-250 C.I.

Drive Units—Clutch (Manual Transmission)

Make & type	Chevrolet; single dry disc	
Type pressure plate springs	Diaphragm	
Total spring load (lb.)	1650-1900	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Manufacturer	Chevrolet
	Part Number	3828054
	Rivets/Plate	36
	Rivet size	.143 x .213
	Outside & inside dia.	9.12 x 6.12
	Total eff. area (sq. in.)	71.82
	Thickness	.135
Release bearing	Engagement cushioning method	Flat spring steel between facings
	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods: springs, friction material	Coil springs

Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	Standard; not available with V8 (305 and 350)
Manual 4-speed (std., opt., N.A.)	Not available
Automatic (std., opt., N.A.)	Optional

Drive Units — Manual Trans.

Number of forward speeds	3		
Transmission ratios	In first	3.11	
	In second	1.84	
	In third	1.00	
	In fourth	--	
	In reverse	3.22	
Synchronous meshing, specify gears	All forward gears		
Shift lever location	Steering column		
Lubricant	Capacity (pt.)	3	
	Type recommended	Meeting Military specs. MIL-L-2105B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
Extreme cold		SAE 80	

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Engine Displacement

L6-250 C.I.	V8-305-350 C.I.
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Drive Units—Automatic Transmission

Trade name	Turbo Hydra-matic	
Type (describe)	Torque converter with planetary gears	
Selector location	Lever-steering column; floor mounted when used with optional console and bucket seats	
Gear Ratios	P	Park
	R	1.94
	N	Neutral
	D	2.52-1.52-1.00
	L2	2.52-1.52
	L1	2.52
Max. upshift speed - drive range	70	81
Max. kickdown speed - drive range	66	77
Torque Converter	Number of elements	3
	Max. ratio at stall	2.00
	Type of cooling (air, liquid)	Water
	Nominal diameter	11.75
Lubricant	Capacity - refill (pt)	8
	Type recommended	Dexron II
Special transmission features		

Drive Units—Axle

Type (front, rear)	Rear		
Description	Semi-floating axles, overhung hypoid drive pinion and ring gear		
Limited Slip differential, type	Disc clutches		
Drive Pinion Offset	1.50		
No. of differential pinions	Two		
Pinion adjustment (shim, other)	Shims		
Pinion bearing adj (shim, other)	Collapsible sleeve		
Wheel bearing type	Direct or single row cylindrical		
Lubricant	Capacity (pt)	4.00	
	Type recommended	Meeting Military specs. MIL-L-2105B	
	SAE viscosity number	Summer	80W-90
		Winter	80W-90
		Extreme cold	80W-90

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

Axle ratio	2.56	2.73	3.08	2.73	3.08
No. of teeth	Pinion	16	15	13	15
	Ring gear	41	41	40	41
Ring Gear O D	8.50 (a)			8.75 (b)	

- (a) Coupes, Sedans & Sedan Pickups
- (b) Station Wagons

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Engine Displacement

Drive Units—Propeller Shaft

Number used		One
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube
Outer diam x length* x wall thickness	Manual 3-speed trans.	3.00 x 57.65 x 0.065 (116" wheelbase) 2.75 x 53.65 x 0.065 (112" wheelbase)
	Manual 4-speed trans.	
	Automatic transmission	Same as 3-speed
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O. D.	1.1750-1.1752
Make and Mfg. No.		Saginaw 44
Universal joints	Number used	Two
	Type (ball and trunion, cross)	Cross
	Rear attach (u-bolt, clamp, etc.)	Strap & bolt
	Bearing	Type (plain, anti-friction)
Lubric (fitting, prepack)		Pre-pack
Drive taken through (torque tube or arms, springs)		Control arm
Torque taken through (torque tube or arms, springs)		Control arm

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

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Body Type And/Or Engine Displacement, Etc.

1AC29/37 1AD29/37	1AC/AD/35	1AC/AD80
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Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply	FR78 x 15B (a)	HR78 x 15B	GR78 x 15B	
	Type (bias, radial, etc.)	Glass belt, radial	Steel belted radial		
	Inflation pressure (cold) for recommended max. vehicle load	Front *	28	24	30
		Rear *	28	32	32
	Rev./mile (at 45 mph)	779	744	763	
WHEELS	Type & material	Short spoke disc, steel			
	Rim (size & flange type)	15 x 6 (c)	15 x 7 (c)	15 x 7 (c)	
	Wheel offset	.50	.30	.30	
	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	GR78 x 15 (b)	HR78 x 15B	GR78 x 15B
Type (bias, radial, etc.)	Steel belted radial		
Wheel type & material	Short spoke disc steel		
Rim (size, flange type, and offset)	15 x 6 -.50	15 x 7 -.30	15 x 7 -.30
Size, load range, ply	HR78 x 15B	GR70 x 15B	GR70 x 15B
Type (bias, radial, etc.)	Steel belted radial		
Wheel type & material	Short spoke disc, steel		
Rim (size, flange type, and offset)	15 x 6 -.50	15 x 7 -.30	15 x 7 -.30
Size, load range, ply	GR70 x 15B		
Type (bias, radial, etc.)	Stl. bltd-radial		
Wheel type & material	Same as above		
Rim (size, flange type, and offset)	15 x 6 -.50		
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size, flange type, and offset)			
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size, flange type, and offset)			

Brakes — Parking

Type of control	Foot pedal apply; 'T' handle release		
Location of control	Under instrument panel, left of steering column		
Operates on	Rear service brakes		
If separate from service brakes	Type (internal or external)	--	
	Drum diameter	--	
	Lining size (length x width x thickness)	--	

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

(a) Base tire with I6 engine models.
 (b) Base tire with V8 engine models.

(c) 15 x 7 or 15 x 7 Rally available optionally. 15 x 7 required with RPO PB2 Deluxe Wheel Trim Cover.

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Body Type And/Or Engine Displacement

Malibu Sedan & Coupe 1AC29/37 with L-6 Engine	Malibu Classic and Pickups with I6 Engines and All models with V8 Engines
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Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	--		
		Rear	Standard		
	Disc	Front	Standard		
		Rear	--		
Self-adjusting (std., opt., N.A.)			Standard		
Special Valving	Type (proportion, delay, metering, other)		Metering and proportioning Proportioning only on station wagons		
Power Brake (std., opt., N.A.)			Optional	Standard	
Booster Type (remote, integral, etc.)			Integral		
Effective area (sq. in.)*			111.2		
Gross lining area (sq. in.)**			116.9		
Swept area (sq. in.)***			351.95		
Drum	Diameter (nominal)	Front	--		
		Rear	11.0		
Type and material		Finned, cast iron			
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		.9375		
Master Cylinder	Bore		.9375; power 1.125	1.125	
	Stroke		1.438; power 1.408	1.408	
Pedal arc ratio		6.29:1; power 3.5:1		3.5:1	
Line pressure at 100 lb. pedal load					
Shoe Clearance	Front		Self adjusting		
	Rear		Self adjusting		
Anti-skid device type (std., opt., N.A.)			N.A.		
Brake lining	Bonded or riveted, rivets/seg.		Riveted		
	Rivet size		Front .210 x .379 Rear .143 x .250		
	Manufacturer		Delco Moraine		
	Part number		Front 18000282, Rear 18000181		
	Front Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	5.40 x 1.92 x 0.465	
			Second or in-board	5.40 x 1.92 x 0.465	
		Segments per shoe		One	
		Shoe thickness		Inboard .620; outboard .550	
		Rear Wheel	Material		Molded asbestos
	Size (length x width x thickness)		Prim. or out-board	8.87 x 2.0 x 0.25	
			Second or in-board	11.12 x 2.0 x 0.30	
	Segments per shoe		One		
	Shoe thickness		Primary .325; Secondary .365		

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus square of Inner Working Dia. multiplied by $\pi/2$ for each brake.)

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Steering

Manual (std., opt., NA)		Standard with L6 Engine Models		
Power (std., opt., NA)		Standard on all models except L6 engine equipped		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: Universal jointed steering shaft at base of steering wheel; 5 inch vertical travel		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	15.25		
	Power	Same		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	Manual 42.64; Power except S. Wag. 43.06, S. Wag. 42.86	
		Curb to curb (l. & r.)	Manual 39.46; Power except S. Wag. 39.89, S. Wag. 39.74	
	Inside rear	Wall to wall (l. & r.)	Sedans & Coupes - 11.44; S. Wag. - 11.89	
		Curb to curb (l. & r.)	Sedans & Coupes - 10.73; S. Wag. - 11.21	
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make	Saginaw steering	
		Ratios	Gear 28.0:1 Overall 32.8:1 on center to 34.7:1	
	No. wheel turns (stop to stop)	6.64		
	Type (coaxial, linkage, etc.)	Integral gear with power piston and vane-type pump		
Power	Gear	Type	Saginaw steering	
		Ratios	Gear Same as manual 16.0:1 on center to 13.0:1 Overall 17.6:1 on center to 14.3:1 (a)	
		Pump driven by	Crankshaft Pulley	
	No. wheel turns (stop to stop)	Except St. Wags. 3.30; St. Wags. 3.37		
	Type	Parallelogram (b)		
Linkage	Location (front or rear of wheels, other)		Front	
	Drag link (trans. or longit.)		None	
	Tie rods (one or two)		Two	
	Inclination at camber (deg.)		9.6 @ 1° Camber	
Steering Axis	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.) P2±1		
Camber (deg.)		Left P1±1/2; Right P1/2±1/2		
Toe-in (outside track inches)		1/16±0.12		
Steering spindle & joint type		Forging with pad for mounting brake cyl. spherical joints		
Wheel Spindle	Diameter	Inner bearing	1.2493 - 1.2498	
		Outer bearing	0.7493 - 0.7498	
	Thread size		3/4-20 NEF-3 (Modified)	
	Bearing type		Taper Roller	

(a) Station Wagons 18.7:1 on center to 16.1:1

(b) Hydraulic dampener used on relay rod on 6 cylinder with manual steering.

MVMA Specifications Form Passenger Car

Car Line **CHEVELLE**
 Model Year **1977** Issued **9/76** Revised (e)

Body Type And/Or Engine Displacement

Coupes & Sedans	Station Wagons & Pickups
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Suspension — General

(See Supplement page for details on Air Suspension)

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

Suspension — Front

Type and description	Independent - SLA type with coil springs		
Travel	Full Jounce	3.54	
	Full Rebound	4.28	
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel alloy	
	Size (coil design height & I.D., bar length x dia.)	11.00 x 4.05; 128.94 x .668 (a)	
	Spring rate (lb. per in.)	300 (a)	365
	Rate at wheel (lb. per in.)	84	102.2
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	H.R. steel .94; - Station Wagons 1.00	

Suspension — Rear

Type and description	Linked Salisbury axle fixed by control arms		
Drive and torque taken through	Control arms		
Travel	Full Jounce	3.80	3.00
	Full Rebound	4.87	5.10
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel alloy	
	Size (length x width, coil design height & I.D., bar length & dia.)	10.00 x 5.50; 110.8 x 548 (a)	
	Spring rate (lb. per in.)	115 (a)	
	Rate at wheel (lb. per in.)	125	
	Mounting insulation type	Natural rubber	
leaf	No of leaves	--	
	Shackle (comp. or tens.)	--	
Stabilizer	Type (link, linkless, frameless)	Link - Optional	--
	Material & bar diameter	Steel-0.875	--
Track bar type	None		

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

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (e) 2/77

Body Type

4-Door Sedan	2-Door Coupes	Station Wagons	Sedan Pickup
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Frame

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

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

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Acrylic lacquer			
Hood counterbalanced (yes, no)	Yes			
Hood release control (internal, external)	Internal			
Vehicle indent No. location	Top left of instrument panel pad			
Theft protection - type	Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.			
Vent window control method (crank, friction pivot, power)	Front	None		
	Rear	None		
Seat cushion type	Front	Formed full foam pad		
	Rear	Formed full foam pad		
	3rd seat	Formed full foam pad		
Seat back type	Front	Formed full foam pad		
	Rear	Formed full foam pad		
	3rd seat	Formed full foam pad		
Windshield glass type	Curved-laminated plate			
Side glass type	Curved-tempered plate			
Backlight glass type	Tempered plate curved		Flat	
Windshield glass exposed surface area	1332.6	1276.6	1332.6	1276.6
Side glass exposed surface area	2127.9	● 1518.6	3174.3	1252.0
Backlight glass exposed surface area	1262.9	1307.2	926.1	573.2
Total glass exposed surface area	4723.4	● 4102.4	5433.0	3101.8

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9 /76 Revised (e) _____

Body Type			
4-Door Sedan	2-Door Coupes	Station Wagon	Sedan Pickup

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	NA
	Backlight or tailgate	NA
Power seats (specify type as well as availability)	6-way power bench seat; optional all models	
Reclining front seat back (R-L or both)	NA	
Radios (specify type as well as availability)	Optional AM pushbutton, AM-FM pushbutton, AM-FM stereo Rad. (a) AM radio w/stereo tape (a) AM-FM radio w/stereo tape (a)	
Rear seat speaker	Optional	
Power antenna	NA	
Clock	Optional	
Air conditioner (specify type and availability)	Optional-4-Season manual control	
Speed warning device	NA	
Speed control device	Optional-with V8 engine and automatic transmission only	
Ignition lock lamp	NA	
Dome lamp	Standard	
Glove compartment lamp	Standard	
Luggage compartment lamp	Optional (a)	
Underhood lamp	Optional	
Courtesy lamp	Optional	
Map lamp	Optional	
Cornering light lamp	NA	
Rear window defroster electrically heated	NA	
Rear window defogger	Optional (a)	
Power Dr. Lock Sys.	Optional	
Swivel Bucket Seats	Optional all models except 29 models	
Windshield Antenna	Available with factory installed radio	

Lamp Height And Spacing* (a) Not available with El Camino.

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	27.9	28.1	28.1	28.7
		Lowest	--	--	--	--
	Tail (H126)	Highest	24.5	24.4	17.3	16.4
		Lowest	--	--	--	--
	Sidemarkers	Front	24.0	24.0	24.2	24.7
		Rear	20.3	20.2	20.4	19.6
Distance from C/L of car to center of bulb	Headlamp	Inside	--	--	--	--
		Outside**	28.5	28.5	28.5	28.5
	Tail	Inside	21.3	21.3	21.3	24.5
		Outside	26.1	26.1	26.1	31.2
	Directional	Front	28.4	28.4	28.4	28.6
		Rear	26.1	26.1	26.1	31.2

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

**If single headlamps are used enter here.

MVMA Specifications Form Passenger Car

Car Line **CHEVELLE**
 Model Year **1977** Issued **9/76** Revised (●)

Vehicle Weights									
Model	CURB WEIGHT * (Pounds)			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT ** (Pounds)	
	Front	Rear	Total	Pass. In Front		Pass. In Rear			
				Front	Rear	Front	Rear		
MALIBU (a)									
2-Door Coupe	1AC37	1976	1790	3667	46.0	54.0	18.0	82.0	3551
4-Door Sedan	1AC29	2022	1722	3744	47.3	52.7	19.3	80.7	3628
MALIBU CLASSIC (a)									
2-Door Coupe	1AD37	2004	1711	3715	46.0	54.0	18.0	82.0	3599
4-Door Sedan	1AD29	2065	1776	3841	47.3	52.7	19.3	80.7	3725
STATION WAGONS									
MALIBU (b)									
4-Door, 2-seat	1AC35	2077	2175	4252	47.3	52.7	19.3	80.7	4139
MALIBU CLASSIC (c)									
4-Door, 2-seat	1AD35	2129	2217	4346	47.3	52.7	19.3	80.7	4233
PICKUP DELIVERY (a)									
El Camino	1AC80	1992	1760	3752	47.3	52.7			3611
El Camino Classic	1AD80	2022	1762	3784	47.3	52.7			3643
(a) With L6-250 C.I. Engine									
(b) With V8-305 C.I. Engine									
(c) With V8-350 C.I. Engine									

* Reference - SAE J1100, Passenger Car Dimension Definitions, Pg. 1, Base Curb Weight
 ** Shipping weight definition - **Weight of basic vehicle with regular equipment, including grease, oil and (3) gallons of gasoline and engine coolant to capacity.**

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9/76 Revised (●) _____

Equipment Differential Weights	WEIGHT (Pounds)			Remarks
	Front	Rear	Total	
Air Conditioning	+ 75	+ 4	+ 79	With 6 cyl. engine
	+ 86	+ 4	+ 90	With V8 engine
Power Steering	+ 27	+ 1	+ 28	
Power Brakes	+ 10	+ 1	+ 11	
Electric Door Locks	+ 4	+ 3	+ 7	Used with 2-Door Models
	+ 7	+ 8	+ 15	Used with 4-Door Models
Bucket Seat Swivel	+ 4	+ 5	+ 9	
Station Wagon-3rd Seat	- 5	+ 37	+ 32	
Power Windows	+ 6	+ 3	+ 9	2-Door Models
	+ 9	+ 11	+ 20	4-Door Models
	+ 6	+ 3	+ 9	El Camino
Power Seat 6-Way Bench	+ 10	+ 9	+ 19	
Front & Rear Floor Mats	+ 5	+ 4	+ 9	All except El Camino
Front Floor Mats	+ 4	+ 2	+ 6	El Camino
Vinyl Roof Cover	+ 3	+ 5	+ 8	All except Station Wagons
Rear Window Air Defl.	- 1	+ 7	+ 6	
Rear Window Defogger	0	+ 4	+ 4	All except Station Wagons
	- 1	+ 7	+ 6	Station Wagons
Radio AM Push-Button	+ 4	+ 2	+ 6	
Radio AM-FM Push-Button	+ 6	+ 2	+ 8	
Radio AM-FM Stereo	+ 11	+ 4	+ 15	
Radio AM Push-Button & Stereo Tape	+ 15	+ 5	+ 20	
Radio AM-FM Push-Button & Stereo Tape	+ 16	+ 5	+ 21	
Front & Rear Bumper Grds	+ 4	+ 4	+ 8	
Roof Luggage Carrier	0	+ 18	+ 18	Station Wagons
Front Compartment Console	+ 10	+ 5	+ 15	Used with Bucket Seats, V8 & Auto. Trans.
Spec.frt. & rr. suspension	+ 7	+ 16	+ 23	All except Station Wagons
	+ 7	+ 12	+ 19	Station Wagons
305 Cu. In. LG3	+ 94	+ 5	+ 99	Sedans & Coupes 1AC & 1AD29, 37
	+ 90	+ 0	+ 90	El Camino 1AC & 1AD80
350 Cu. In. LM1	+ 112	+ 9	+ 121	Sedans & Coupes 1AC & 1AD29, 37
	+ 21	+ 2	+ 23	Station Wagons
	+ 107	+ 1	+ 108	El Camino
Turbo Hydra-matic Trans.	+ 21	+ 6	+ 27	Used w/L6 eng. all exc. wag.
Turbo Hydra-matic Trans.	+ 22	+ 8	+ 30	Used w/V8-LG3 / LM1 exc. S. W. & 1AD29

MVMA Specifications Form Passenger Car

Car Line CHEVELLE
 Model Year 1977 Issued 9 / 76 Revised (●) _____

Body Type

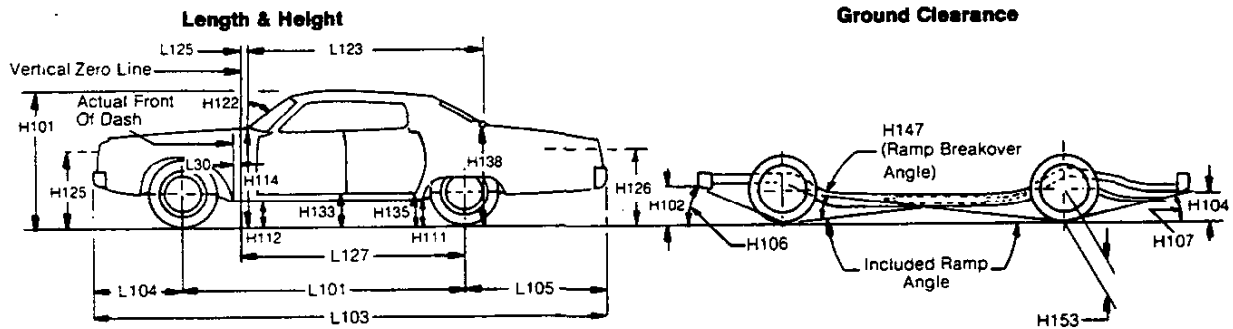
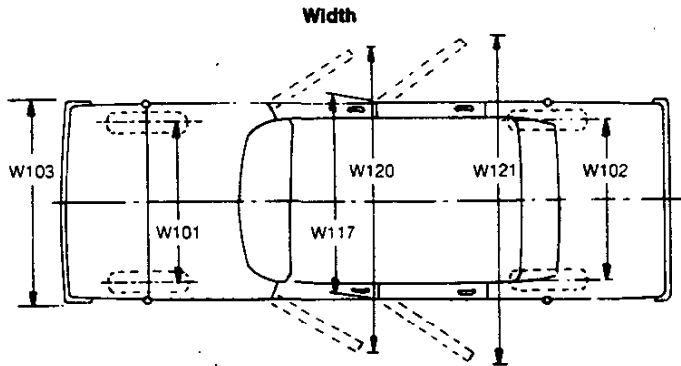
Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location			
Front	X	Fiducial Mark to Centerline of Car - Front Width measurement made front centerline of car to fiducial mark located on top of the front seat adjuster mounting bolt.		
	Y	Fiducial Mark to Vertical Body Zero Line - Front, Measured horizontally from the body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.		
	Z	Fiducial Mark to Horizontal Body Zero Line - Front, Measured vertically from body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.		
Rear	X	Fiducial Mark to Centerline of Car - Rear, Width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar.		
	Y	Fiducial Mark to Vertical Body Zero Line - Rear, Measured horizontally from body zero line to the rear fiducial mark located on rear underbody crossbar.		
	Z	Fiducial Mark to Horizontal Body Zero line - Rear, Measured vertically from body zero line to the rear fiducial mark located on the rear underbody crossbar.		
Fiducial Mark Number	Coordinate Location of Fiducial Mark			Fiducial Mark to Ground at Curb
	X	Y	Z	
Front	22.72	28.48	4.83	Coupes 10.7
		28.48	4.83	Sedans 10.7
	22.72	28.50	4.83	Station Wagons 11.5
		28.50	4.83	El Camino 11.5
Rear	12.70	130.54	9.50	Coupes 14.8
		134.54	9.50	Sedans 14.9
	18.50	146.00	12.30	Station Wagons 19.3
		142.00	11.77	El Camino 17.9

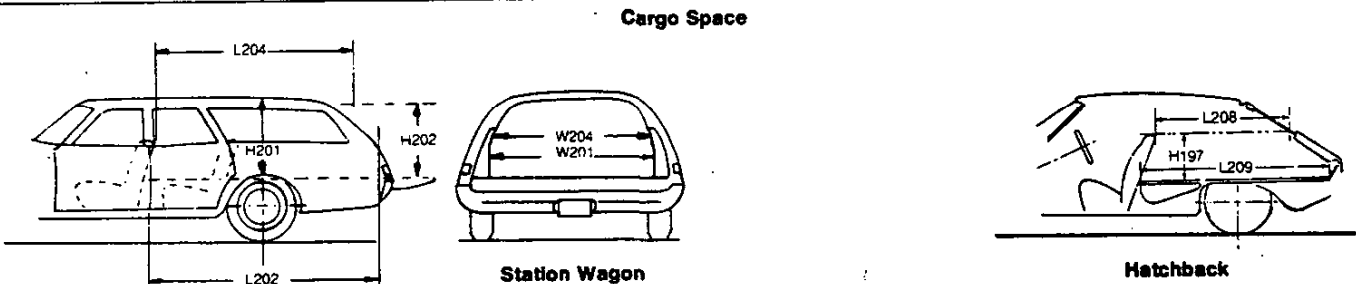
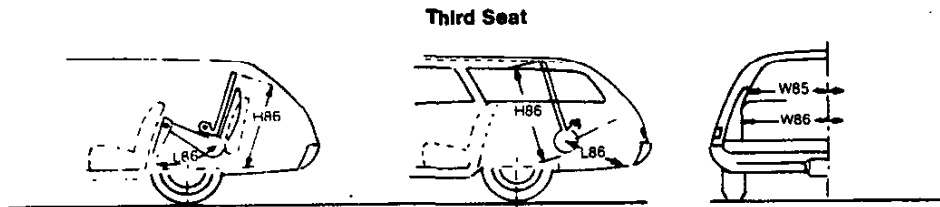
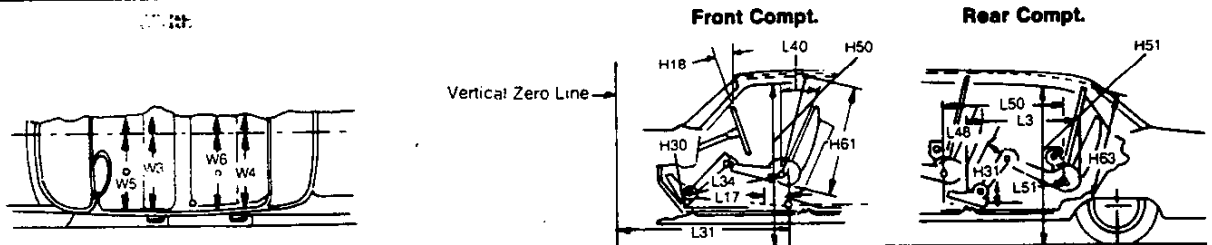
* Reference - SAE Recommended Practice, J182

MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet



Interior Car And Body Dimensions — Key Sheet



MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet Dimension Definitions

Width Dimensions

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

Length Dimensions

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

Height Dimensions

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

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

Ground Clearance Dimensions

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

MVMA Specifications Form

Passenger Car

Interior Car And Body Dimensions — Key Sheet

Dimension Definitions

Front Compartment Dimensions

- L31 H POINT TO VERTICAL ZERO LINE — FRONT is a horizontal dimension.
- H61 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- H75 EFFECTIVE T POINT HEADROOM — FRONT. The arc dimension from the T Point to the headlining plus 30 inches.
- L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the H-point—front within the belt line to 10 inches above the H-point—front.
- W5 HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the H-point—front, within 1.0 inches below and 3.0 inches above the H-point height and 3.0 inches fore and aft of the H-point.
- H50 UPPER BODY OPENING TO GROUND — FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
- H18 STEERING WHEEL ANGLE — VERTICAL. The angle measured from a vertical to the surface plane of the steering wheel.
- L40 BACK ANGLE — FRONT. The angle measured between a vertical line through the H-Point-Front and the torso line.

Rear Compartment Dimensions

- L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63 EFFECTIVE HEAD ROOM — REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- H76 EFFECTIVE T POINT HEADROOM — REAR. Measured in the same manner as H75.
- L51 MINIMUM EFFECTIVE LEG ROOM — REAR. Measured along a diagonal line from the ankle pivot center to the H

Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.

- H31 H POINT TO HEEL POINT — REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L48 KNEE CLEARANCE. The minimum dimension measured from the knee pivot center to the back of front seatback minus 2.0 inches.
- L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the H-point—second within 10.0-16.0 inches above the H-point—second.
- W6 HIP ROOM—SECOND. Measured in the same manner as W5.
- H51 UPPER BODY OPENING TO GROUND — REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

Luggage Compartment Dimensions

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

Station Wagon — Third Seat Dimensions

- W85 SHOULDER ROOM—THIRD. Measured in the same manner as W4.
- W86 HIP ROOM—THIRD. Measured in the same manner as W5.
- L86 EFFECTIVE LEG ROOM — THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86 EFFECTIVE HEAD ROOM — THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.
- H89 EFFECTIVE T POINT HEADROOM — THIRD SEAT. Measured in the same manner as H75.

MVMA Specifications Form Passenger Car

Interior Car And Body Dimensions — Key Sheet Dimension Definitions

Station Wagon — Cargo Space Dimensions

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

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

Hatch Back — Cargo Space Dimensions

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

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

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728}$$

MVMA Specifications Form Passenger Car

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