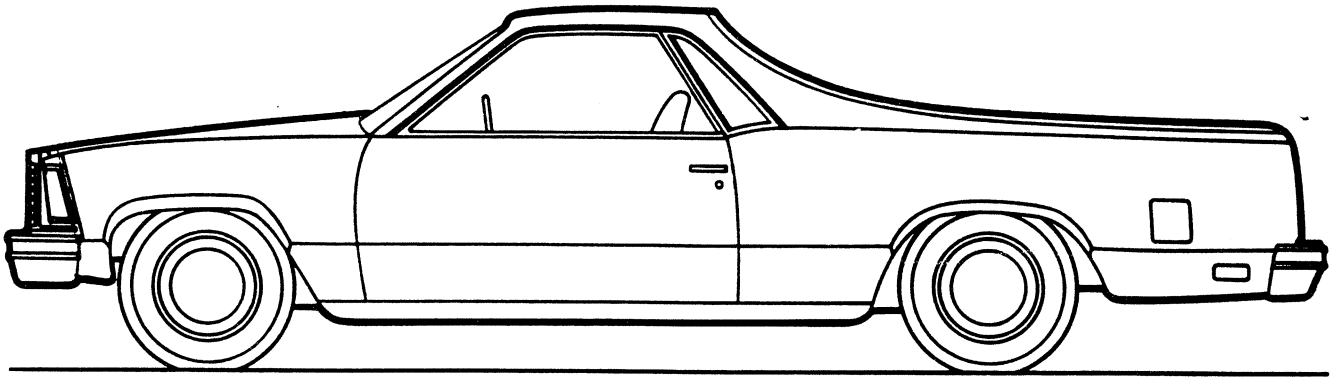
2731ELCA-80

EL CAMINO

EL CAMINO MODEL SELECTOR



MODEL NUMBER	
CLASSIC	**SUPER SPORT**
1AW80	1AW80 & Z15

EL CAMINO

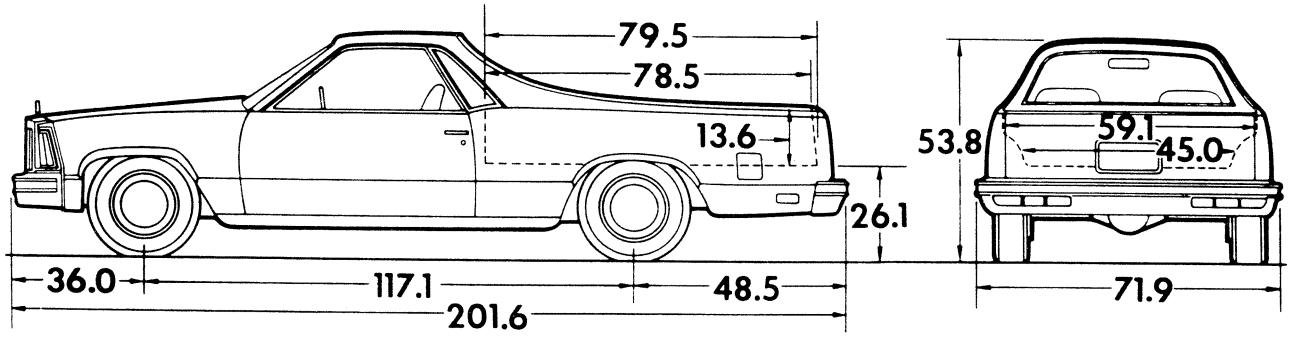
STANDARD SPECIFICATIONS

(See Blue Tab Section for Specification Details)

Engine	
Base Equip.	3.8 Liter, 229 2-bbl. V6▲
Clutch	10.34″; 101.58 sq. in.
Air Filter	Oiled-paper Element
Oil Filter	Throwaway Type; .25 qt.
Exhaust System	Single; Aluminized
Emission Control Systems	Meet Government Requirements
Suspension, Front	Independent; Coil Springs
Capacity	†2434 lb.
Springs @ Ground—Range*	942/1250 lb. ea.
Shock Absorbers	1″ dia.
Suspension, Rear	Hypoid; Coil Springs
Capacity	†2686 lb.
Axle Ratio	2.73
Springs @ Ground—Range*	1197/1356 lb. ea.
Shock Absorbers	1″ dia.; Air Booster Type
Brakes	Hydraulic; Self-adjusting; Power Assisted
Front	Disc; 10.5″ Rotor
Rear	Drum; 9.5″ x 2″
Parking	Cable to Rear Wheels
Electrical	12 Volt; Negative Ground
Battery—Freedom Type	2500 watts @ 0°F.
Delcotron Generator	37 amp.
Frame	Carbon Steel; Perimeter Type
Fuel Tank (nominal capacity)	17.7 gal.
Steering Gear Type	Manual; Recirculating Ball
Linkage	Parallelogram
Transmission	Fully Synchronized 3-Speed
Shift Location	Floor
Tires	(5) P205/75R-14 Steel Belted Radial
Wheels	(5) Disc; 14″ x 6″

▲Standard engine not available for registration in the State of California; see Power Teams chart.
*The capacity of front and rear springs actually installed is dependent on the computed weight of the vehicle with optional equipment as ordered.
†Limited by brake certification.

EL CAMINO



Model	Engine No. Cyl.	Curb Weight (lb)			Model Weight (lb)*			Ground Clearance (in.)★	
		Front	Rear	Total	Front	Rear	Total	Front	Rear
1AW80	6	1804	1384	3188	2034	1604	3638	7.3	6.9
1AW80 With Z15	6	1811	1389	3200	2041	1609	3650		

★ Dimensions with standard equipment, unloaded.

* Model Weight includes Curb Weight plus occupants (standard seating capacity x 150 lb). Total Model Weight may vary as much as ±50 lbs to allow for production build variation.

GVWR SELECTOR

*Engine	*GVW Range (lb)	▲GAWR(lb)		Minimum Equipment Required for GVW Range		
		*Front	*Rear	Tires, Front	Tires, Rear	*Chassis Equipment
6	**4438 to 4967**	1988 to 2364	2450 to 2603	P205/75R-14	P205/75R-14	Standard

▲ GAWR—Gross Axle Weight Rating.

*The higher ranges shown for GVWR and GAWR front and rear, reflect capacities of springs which will be installed based on the computed weight of the vehicle with optional equipment as ordered.

EL CAMINO

POWER TEAMS

ENGINE	TRANSMISSION	REAR AXLE	
Type and Code	Type and Code	Capacity (lb)	Ratio and Code

ALL STATES EXCEPT CALIFORNIA

			2.41	2.56	2.73	3.08
3.8 Liter 229 2-bbl V6-LC3 (Standard Engine)	3-Speed Manual (Std)—MM3	2750♦	—	—	X (Std)	—
	Automatic—MX1		—	—	X (Std)	—
4.4 Liter 267 2-bbl V8-L39	Automatic—MX1		—	(Std)	—	—
5.0 Liter 305 4-bbl V8-LG4	● 4-Speed Manual—MM4		—	—	—	X (Std)
	Automatic—MX1		X (Std)	—	G92	—

♦ Limited Slip Differential rear axle available for all axle ratios.
● Limited Slip Differential rear axle not available.

CALIFORNIA ONLY

			2.41	2.73
3.8 Liter ▲231 2-bbl V6-LD5	Automatic—MX1	2750▲	—	X (Std)
5.0 Liter ▲305 4-bbl V8-LG4	Automatic—MX1		X (Std)	G92

▲ Optional V6 or V8 engine required for registration in the State of California.
♦ Limited Slip Differential rear axle available for all axle ratios.

ENGINE RATINGS

ALL STATES EXCEPT CALIFORNIA

SAE Net Ratings	3.8 Liter 229 2-bbl V6★	4.4 Liter 267 2-bbl V8★	5.0 Liter 305 4-bbl V8★
Net Horsepower....	115 @ 4000 rpm	120 @ 3600 rpm	155 @ 4000 rpm
Net Torque, lb-ft...	175 @ 2000 rpm	215 @ 2000 rpm	240 @ 1600 rpm

★Light Duty Emissions

CALIFORNIA ONLY

SAE Net Ratings	3.8 Liter 231 2-bbl V6★	5.0 Liter 305 4-bbl V8★
Net Horsepower....	110 @ 3800 rpm	155 @ 4000 rpm
Net Torque, lb-ft...	190 @ 1600 rpm	230 @ 2400 rpm

★Light Duty Emissions

EL CAMINO

1980 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles produced on and after January 2, 1980

Description	Model Number	Wheel Base	Factory D&H(a)	List Price	Mfr's Sgt'd Retail Price★	Group Number
♦ **3.8 Liter 2 BBL V6 Engine-Engine Ordering Code LC3**						
El Camino-						
3-Passenger	**1AW80**	117.1"			5715.60	**12**
Super Sport-						
3-Passenger	**1AW80/Z15**	117.1"			5933.60	**12**

★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, optional equipment or accessories or special items or services.

♦ Refer to Power Team Chart for California Emission Certification Requirements.

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced on and after January 2, 1980

Description	Added Weight (F R)		Option Number	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
POWER TEAMS						
(See Power Teams Chart for availability and specifications)						
Engines:						
3.8 Liter 2 BBL V6. Available only when YF5 California Emission and MX1 Automatic Transmission are specified	8	-5	LD5		*NO ADDITIONAL CHARGE*	
4.4 Liter 2 BBL V8. Available only when N41 Power Steering and NA5 Standard Emission are specified. Not available when MM3 Transmission is specified	10	5	L39		N.A.	80.00
5.0 Liter 4 BBL V8. Available only when N41 Power Steering is specified. YF5 California Emission available only when N41 Power Steering and MX1 Automatic Transmission are specified	158	22	LG4		N.A.	195.00
Automatic						
With LD5 3.8 Liter V6 engine	-4	-2	MX1		N.A.	358.00
With LC3 3.8 Liter V6 engine	-1	4	MX1		N.A.	358.00
With V8 Engine	36	12	MX1		N.A.	358.00
4-Speed Manual	2	1	MM4		N.A.	144.00
Axles, Rear: *(See Power Team Chart for availability)*						
Performance Ratio	0	0	G92		N.A.	19.00
Limited Slip Differential	0	0	G80		N.A.	68.00
OTHER OPTIONS						
Air Conditioning: Includes increased cooling. LC3 3.8 Liter V6 and LD5 3.8 Liter V6 available only when N41 Power Steering is specified.						
Without LC3 3.8 Liter V6 engine	51	4	C60		N.A.	601.00
With LC3 3.8 Liter V6 engine	63	5	C60		N.A.	601.00
Battery: *Heavy-Duty*	7	-1	UA1		N.A.	21.00
Bumper Equipment:						
Bumper Rub Strips. Front and Rear. Includes black resilient impact strips	2	2	VE5		N.A.	44.00
Guards, Bumper. Front and Rear	2	2	V30		N.A.	48.50
Clock, Electric. Included when UF7 Gage Package or U14 Instrumentation is specified. Not available when UY8 Radio is specified	0	0	U35		N.A.	25.00
Conquista: Not available when Z15 Super Sport is specified. Includes BX8 Front Fender, body side and tailgate moldings. *See Conquista Interior and Exterior Color Selection Chart for interior and exterior color availability and ordering information*	0	0	D91		N.A.	165.00
Console: Available only when bucket seats are specified. Shift lever is mounted on console.						
Without MX1 Transmission	5	1	D55		N.A.	86.00
With MX1 Transmission	10	5	D55		N.A.	86.00
Cooling, Heavy-Duty:						
Without C60 Air Conditioning	6	1	V08		N.A.	63.00
With C60 Air Conditioning	4	-1	V08		N.A.	36.00

(a) D & H Charges on vehicle and optional equipment include reimbursement to Chevrolet Motor Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.

EL CAMINO

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced on and after January 2, 1980

Description	Added Weight (F R)		Option Number	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
OTHER OPTIONS						
Cover, Cargo Box Tonneau: Not available when D73 Cargo Rails are specified.						
Black	0	8	19K	N.A.		116.00
White	0	8	11K	N.A.		116.00
Door Lock System, Power: Electric	1	0	AU3	N.A.		93.00
Emission Systems: *Dealer Note* – One of the following emission options must be specified.						
California Emission Requirements. Includes all testing, equipment and /or certification necessary for registration in the State of California. *(See Power Teams Chart for availability and specifications)*	13	0	YF5	N.A.		250.00
Standard Emission Equipment	0	0	NA5		*NO ADDITIONAL CHARGE*	
Floor Covering: *Mats, Color-Keyed Floor.* Two front	4	2	B32	N.A.		14.00
Gage Package: Includes voltmeter, temperature and oil pressure gages and U35 Electric Clock mounted on instrument panel. Not available when U14 Instrumentation, LD5 3.8 Liter V6 engine or UY8 Radio are specified	1	0	UF7	N.A.		66.00
Gage Package with Tachometer: *Special.* Includes Z53 Voltmeter, Temperature and Oil Pressure Gages and U35 Electric Clock. Not available when LD5 3.8 Liter V6 engine, UF7 Gage Package or UY8 Radio are specified	2	0	U14	N.A.		134.00
Generator, 63-Amp Delcotron:						
Without C60 Air Conditioning	1	0	K81	N.A.		35.00
With C60 Air Conditioning	1	0	K81	N.A.		6.00
Glass: *Tinted.* All windows	0	0	A01	N.A.		75.00
Lighting, Auxiliary: Includes headlamp warning buzzer, courtesy and underhood lights	1	0	TR9	N.A.		27.00
Mirrors:						
Outside Rearview, LH Remote. Not available when Z15 Super Sport is specified	1	0	D33	N.A.		19.00
Sport, LH Remote and RH Manual. Included when Z15 Super Sport is specified	2	2	D35	N.A.		46.00
Sport, Twin Remote						
Without Z15 Super Sport	2	1	D68	N.A.		73.00
With Z15 Super Sport	2	1	D68	N.A.		27.00
Moldings:						
Body Side, Deluxe. Not available when Z15 Super Sport or D91 Conquista is specified	0	1	BW2	N.A.		57.00
Door Edge Guard	0	0	B93	N.A.		14.00
Front Fender, Body Side and Tailgate. Not available when Z15 Super Sport is specified. Included when D91 Conquista is specified	1	2	BX8	N.A.		51.00
Paints, Exterior: *Solid See Interior and Exterior Color Selection Chart for ordering information.*	0	0	...		*NO ADDITIONAL CHARGE*	
Radio Equipment:						
AM Radio	5	2	U63	N.A.		97.00
AM /FM Radio	6	2	U69	N.A.		153.00
AM /FM Stereo Radio	11	4	U58	N.A.		192.00
AM Radio with 8 Track Stereo Tape	13	4	UM1	N.A.		249.00
AM /FM Stereo Radio with 8 Track Stereo Tape	13	4	UM2	N.A.		272.00

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EL CAMINO

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced on and after January 2, 1980

Description	Added Weight (F R)	Option Number	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
OTHER OPTIONS					
Radio Equipment: (Continued)					
AM /FM Stereo Radio with Stereo Cassette Tape	13 4	UN3	N.A.		285.00
AM /FM /Citizens Band Radio with Power Antenna Available only when UX6 Speakers are specified	13 4	UP5	N.A.		473.00
AM /FM Stereo /Citizens Band Radio with Power Antenna	13 4	UP6	N.A.		525.00
AM /FM Stereo Radio with Digital Clock Display. Not available when UF7 Gages, U14 Instrumentation or U35 Electric Clock are specified	13 4	UY8	N.A.		353.00
Speakers, Dual Front. Available when U63, U69 or UP5 Radio is specified. Included when U58, UM1, UM2, UN3 or UY8 Radio is specified	0 0	UX6	N.A.		14.00
Windshield Antenna. Included when U63, U69, U58, UM1, UM2, UN3 or UY8 Radio is specified without U75 Power Antenna. Not available when UP5 or UP6 Radio is specified	0 0	U76	N.A.		27.00
Power Antenna. Available only when U63, U69, U58, UM1, UM2, UN3 or UY8 Radio is specified. Not available when U76 Antenna, UP5 or UP6 Radio is specified	4 0	U75	N.A.		51.00
Rails, Cargo Box Side	0 6	D73	N.A.		79.00
Roof Cover, Vinyl: Not available when D91 Conquista is specified. Includes bright metal outline molding. *See Interior and Exterior Color Selection Chart*	1 1	...	N.A.		81.00
Roof Cover, Vinyl: Available only when D91 Conquista is specified. *See Interior and Exterior Color Selection Chart*	1 1	ZK9	N.A.		81.00
Royal Knight: Not available when D91 Conquista, BW2 or BX8 Moldings, or N95 Wheel Covers are specified. *See Interior and Exterior Color Selection Chart*	0 0	Z16	N.A.		73.00
Seat, Power: *Six Way.* Driver's side only with 50 /50 seat. Not available when bucket seats are specified	10 8	AG9	N.A.		175.00
Seat Trim: *See Interior and Exterior Color Selection Chart for availability and ordering information.*					
*C**1 Cloth Bench*	0 0	...	*NO ADDITIONAL CHARGE*		
*C**2 Cloth Buckets*	0 0	...	N.A.		91.00
*C**3 Cloth 50 /50*	0 0	...	N.A.		184.00
*V**1 Vinyl Bench*	0 0	...	N.A.		28.00
*V**2 Vinyl Buckets*	5 5	...	N.A.		91.00
*V**3 Vinyl 50 /50*	0 0	...	N.A.		212.00
Speed Control: *Automatic.* Available only when MX1 Automatic Transmission is specified	5 0	K30	N.A.		112.00
Steering, Power	20 0	N41	N.A.		174.00
Steering Wheel: *Comfortilt.*	2 0	N33	N.A.		81.00
Suspension Equipment: *Suspension Sport.* Available only when V8 Engine is specified	0 8	F41	N.A.		13.00
Tank, Fuel: *22 gallons*	-1 6	N23	N.A.		23.00
Tie-Downs, Cargo Box	0 1	AV3	N.A.		20.00
Wheel Trim:					
Wheel Covers, Sport–Silver. Not available when ZJ7 Rally Wheels are specified					
Without Z15 Super Sport	2 2	PB2	N.A.		56.00
With Z15 Super Sport	2 2	PB2	N.A.		6.00
Wheel Covers, Sport–Gold. Not available when 15 or 21 Paint Codes or when ZJ7 Rally Wheels are specified.					
Without Z15 Super Sport	2 2	55P	N.A.		56.00
With Z15 Super Sport	2 2	55P	N.A.		6.00
Wheel Covers, Wire. Not available when ZJ7 Rally Wheels are specified	11 11	N95	N.A.		125.00
Wheels, Rally. Included when Z15 Super Sport is specified. Includes styled wheels, special hub caps and trim rings	4 5	ZJ7	N.A.		50.00
Windows, Power: Electric	5 3	A31	N.A.		143.00
Windshield Wiper System: *Intermittent*	0 0	CD4	N.A.		41.00

(a) D & H Charges on vehicle and optional equipment include reimbursement to Chevrolet Motor Division for any tax that it has paid, incurred or agreed to pay thereon.

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EL CAMINO

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles produced on and after January 2, 1980

Description	Added Weight (F R)	Option Number	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
FACTORY INSTALLED REGULAR PRODUCTION TIRES					
P205 /75R-14 Blackwall. Steel Belted Radial Ply (Standard)	0 0	QJZ	*NO ADDITIONAL CHARGE*		
P205 /75R-14 White Stripe. Steel Belted Radial Ply.	0 0	QJY	N.C.		63.00
P205 /75R-14 White Lettered. Steel Belted Radial Ply . .	0 0	QKL	N.C.		81.00

(a) D & H Charges on vehicle and optional equipment include reimbursement to Chevrolet Motor Division for any tax that it has paid, incurred or agreed to pay thereon.
◇ State and local taxes not included.

CHASSIS

FRAME AND FRONT SUSPENSION

FRAME

Description . . . . . Separate full perimeter having sigma-section side rails welded front and rear suspension crossmembers with a bolted-in tubular construction transmission support.

Body Mountings . . . . . 7 each side of frame. 10 double cushion and 4 single cushions

FRONT SUSPENSION

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

Wheel travel (design) – mm (in.)

Total	182 (7.16)
Jounce	90 (3.54)
Rebound	92 (3.62)

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 - mm (in)

Inner bearings	31.271-31.7475 (1.25)
Outer bearings	21.430-21.450 (.8437-.8445)

Spindle thread size - (in) . . . . . 3/4-20 UNEF 3-A modified

Wheel bearing

Type	Taper roller
Number	Two per spindle

SPHERICAL JOINTS

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

Bearing surfaces

Upper	Teflon-coated composite on phenolic
Lower	Sintered iron

SHOCK ABSORBERS

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

Piston Diameter - mm (in) 25 (1.0)

STABILIZER BAR

Type . . . . . Link

Material . . . . . HR steel

Diameter - mm (in)

Sedans and Coupes	
V6 engines	25 (1.0)
V8 engines	27 (1.06)
RPO F41	32 (1.26)
Station Wagon	
V-6 engine	27 (1.06)
V-8 engine	29 (1.14)
Sedan Pickup	
V-6 engine	25 (1.0)
V-8 engine	27 (1.06)
RPO F41	29 (1.14)

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees)	+0.5 ± 0.80
Caster (degrees)	
Manual steering	+1.0 ± 1.0
Power steering	+3.0 ± 1.0
Toe-in (degrees)	0.15 ± 0.01
Steering axis inclination (degrees)	7.86

GENERAL SUSPENSION PROVISIONS

Car Leveling	Front stabilizer
Anti-dive Control	Front suspension geometry
Anti-squat Control	Rear suspension geometry

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

Model Application	Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Heights			
										Free		Working	
			mm	in	mm	in		N/mm	lbs/in	mm	in	mm @ N	in @ lbs
Sedan & Coupe	460626	AAU	2953	116.3	15.6	.614	7.811	52.5	300	388.8	15.31	260 @ 6760	10.24 @ 1520
	460627	AAW	2953	116.3	15.6	.614	7.811	52.5	300	393.9	15.51	260 @ 7030	10.24 @ 1580
	460628	AAX	3064	120.6	15.8	.622	8.094	52.5	300	399.0	15.71	260 @ 7300	10.24 @ 1640
	460629	AAY	3064	120.6	15.8	.622	8.094	52.5	300	404.2	15.91	260 @ 7570	10.24 @ 1700
	460678	ADS	3151	124.0	16.0	.623	8.511	52.5	300	409.3	16.11	260 @ 7840	10.24 @ 1760
	460679	ADT	3210	126.4	16.1	.634	8.661	52.5	300	414.5	16.32	260 @ 8110	10.24 @ 1820
	460681	ADW	3134	123.4	16.4	.646	8.440	58.0	330	406.7	16.01	260 @ 8510	10.24 @ 1910
	460683	ADY	3114	122.6	16.8	.661	8.362	64.0	365	400.3	15.76	260 @ 8980	10.24 @ 2020
	460686	AFB	3112	122.5	17.2	.677	8.327	70.0	400	394.6	15.53	260 @ 9420	10.24 @ 2120
Station Wagon & El Camino	460642	ABS	2548	100.3	15.6	.614	6.730	64.0	365	364.2	14.34	260 @ 6670	10.24 @ 1500
	460643	ABT	2733	107.6	16.0	.623	7.201	64.0	365	369.4	14.54	260 @ 7000	10.24 @ 1575
	460644	ABU	2733	107.6	16.0	.623	7.201	64.0	365	374.5	14.74	260 @ 7330	10.24 @ 1650
	460645	ABW	2931	115.4	16.4	.646	7.703	64.0	365	379.7	14.94	260 @ 7660	10.24 @ 1725
	460646	ABX	2931	115.4	16.4	.646	7.703	64.0	365	384.8	15.15	260 @ 7990	10.24 @ 1800
	460647	ABY	3035	119.5	16.6	.654	7.966	64.0	365	390.0	15.35	260 @ 8320	10.24 @ 1870
	460682	ADX	3114	122.6	16.8	.661	8.362	64.0	365	395.2	15.56	260 @ 8650	10.24 @ 1945
	460683	ADY	3114	122.6	16.8	.661	8.362	64.0	365	400.3	15.76	260 @ 8980	10.24 @ 2020
	460686	AFB	3112	122.5	17.2	.677	8.327	70.0	400	394.6	15.53	260 @ 9420	10.24 @ 2120

STEERING, DRIVELINE, WHEELS AND TIRES

STEERING
- Availability
  - Manual . . . . . Standard with V6 engine less air conditioning
  - Power . . . . . Required option with V8 engines and V6 engines with air conditioning
- Wheel
  - Type . . . . . Round with center shroud
  - Diameter - mm (in) 38.7 (15.0)
  - 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 by a vane type pump
- Gear Ratios
  - Manual 24.0:1
  - Power
    - V6 engines 15/13:1
    - V8 engines 15.0:1
- Overall Gear Ratios
  - Manual 28.1:1
  - Power
    - V6 engines 16.5/14.3:1
    - V8 engines
      - Sedans & Coupes 16.5:1
      - Station wagon & El Camino 17.6:1
- Steering Wheel Turns, Lock to Lock
  - Manual 5.3
  - Power
    - V6 engines 3.2
    - V8 engines 3.3
- Linkage . . . . . Parallelogram, front of wheels
- Turning Diameter - m (feet)
  - Outside front, wall to wall
    - Sedan, Coupe, Station Wagon 12.2 (40.05)
    - El Camino 13.0 (42.66)
  - Outside front, curb to curb
    - Sedan, Coupe, Station Wagon 11.3 (37.19)
    - El Camino 12.2 (39.89)

DRIVELINE
- Type . . . . . Tubular, exposed
- Number Used . . . . . One
- Diameter (O.D.) - mm (in)
  - 108" Wheelbase 63.5 (2.50)
  - 117" Wheelbase 82.6 (3.25)
- Length (C/L of U joints)
  - 108" Wheelbase 1331.5 (52.4)
  - 117" Wheelbase 1560.1 (61.4)
- Wall Thickness 1.65 (0.065)
- Universal Joints
  - Type . . . . . Cross
  - Number . . . . . Two, Cardan
  - Bearings . . . . . Pre-pack, anti-friction

WHEELS, STANDARD
- Type . . . . . Short spider disc, steel
- Size . . . . . 14 x 6
- Offset . . . . . '0'
- Attachment to Hub
  - Type . . . . . 5 hex nuts
  - Thread size . . . . . 7/16-20 UNF 2B
  - Bolt circle diameter . . . . . 120.6 mm (4.75)

WHEELS, OPTIONAL
- Type . . . . . Rally, steel
- Size . . . . . 14 x 6
- Offset . . . . . '0'

SPARE WHEEL (COMPACT TIRE)
- Size . . . . . 15 x 4
- Availability . . . . . Sedans, Coupes, Station Wagons
- Offset - mm (in) 25 (1.0)

SPARE WHEEL (GROUND TIRE)
- Availability
  - Base . . . . . El Camino

TIRES, STANDARD EQUIPMENT
- Coupes and Sedans
  - Type . . . . . Glass belted radial
  - Size P185/75R-14B
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe
  - Static Loaded Radius - mm (in) 284.7 (11.21
  - Loaded rev/km @ 72 km/h (rev/mi @ 45 mph) 520 (837)
  - Capacity @ 165 kPa (24 psi) . . . . 485 kg (1070 lb.)
- Station Wagons
  - Type . . . . . Glass belted radial
  - Size P195/75R-14B
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe
  - Static loaded radius - mm (in) 290.6 (11.44)
  - Loaded rev/km @ 72 km/h 505
  - Loaded rev/mi @ 45 mph 813
  - Capacity @ 179 kPa (26 psi) . . . . 549 kg (1210 lb)
- El Camino
  - Type . . . . . Steel belted radial
  - Size P205/75R-14B
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe & white letter
  - Static loaded radius - mm (in) 287.8 (11.33)
  - Loaded rev/km @ 72 km/h 495
  - Loaded rev/mi @ 45 mph 797
  - Capacity @ 179 kPa (26 psi) . . . . 600 kg (1325 lb)

TIRES, OPTIONAL EQUIPMENT
- Sedan & Coupe
  - Type . . . . . Steel belted radial
  - Size . . . . . P195/75R14 & P205/70R14
  - Sidewall
    - P195/75R14 . . . . . Whitewall
    - P205/75R14 . . . . . Whitewall & white letter (RPO F41 sport suspension required)
- Station Wagon
  - Type . . . . . Steel belted radial
  - Size P195/75R14
  - Sidewall . . . . . Whitewall

SPARE TIRE
- Standard
  - Coupe, Sedan, Station Wagon . . . . . Compact - T125/70-15*
  - El Camino . . . . . Same as ground tire

* Limited slip differential requires stowaway space - P195/75D-14.

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 - mm (in) 38.1 (1.50)
Hypoid gear Pitch Diameter - mm (in) 191 (7.50)
Pinion bearing adjustment . . . . . Shim
Lubricant
Type . . . . . GL-5 Gear Lubricant
Viscosity . . . . . 80W or 80W-90
Capacity (pts) . . . . . 1.54 litres (3.25 pts)

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)
2.29 . . . . . 17, 39
2.41 . . . . . 17, 41
2.56 . . . . . 16, 41
2.73 . . . . . 15, 41
3.08 . . . . . 13, 40

LIMITED SLIP DIFFERENTIAL (See Power Trains)

Type . . . . . Multiple disc clutches

REAR SUSPENSION

Description . . . . . Link type. 2 upper and 2 lower control arms supporting rear axle. Drive and torque taken through control arms.
Wheel travel (design) - mm (in)
Total 220 (8.66)
Jounce 107 (4.21)
Rebound 113 (4.45)
Wheel to spring travel ratio 0.97:1

SHOCK ABSORBERS

Type . . . . . Direct, double-acting, hydraulic; air booster type standard on El Camino
Piston diameter - mm (in) 25 (1.00)

STABILIZER BAR – OPTIONAL (RPO F41) *

Availability . . . . . Sedans & Coupes
Type . . . . . Link
Material . . . . . Steel
Diameter - mm (in) 22 (0.866)

(*) Not available with V-6 engines or with P185/75R14 and P195/75R14 tires.

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

Model Application	Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Heights			
										Free		Working	
			mm	in	mm	in		N/mm	lbs/in	mm	in	mm @ N	in @ lbs
Sedan & Coupe	485708	SR	2428	95.6	12.8	.504	5.83	17.5	100	393.7	15.50	254 @ 2446	10 @ 550
	485710	SS	2690	105.9	13.2	.521	6.36	17.5	100	406.4	16.00	254 @ 2669	10 @ 600
	485711	TT	2690	105.9	13.2	.521	6.36	17.5	100	419.1	16.50	254 @ 2891	10 @ 650
	485712	TD	2824	111.2	13.4	.529	6.63	17.5	100	431.8	17.00	254 @ 3114	10 @ 700
	485713	WR	2962	116.6	13.6	.537	6.90	17.5	100	444.5	17.50	254 @ 3336	10 @ 750
Station Wagon	485736	TA	2535	99.8	14.2	.558	6.41	24.5	140	381.0	15.00	254 @ 3114	10 @ 700
	485737	ZZ	2738	107.8	14.5	.572	6.41	24.5	140	390.1	15.36	254 @ 3336	10 @ 750
	485738	WU	2738	107.8	14.5	.572	6.62	24.5	140	399.0	15.71	254 @ 3558	10 @ 800
	485739	WV	2845	112.0	14.7	.579	6.75	24.5	140	408.1	16.07	254 @ 3781	10 @ 850
El Camino	477511	NHP	2398	94.4	13.2	.521	5.75	21.9	125	355.6	14.00	254 @ 2224	10 @ 500
	477512	PZ	2398	94.4	13.4	.529	5.75	21.9	125	365.8	14.40	254 @ 2446	10 @ 550
	485726	SJ	2398	94.4	13.5	.532	5.75	21.9	125	375.9	14.80	254 @ 2669	10 @ 600

General	Type			Power – 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 & width – mm (in)			266.7 x 26.2 (10.5 x 1.03)
	Lining Material			Molded asbestos composition
	Method of Attachment			Riveted
	Lining Size (length x width x thickness)	Inboard – mm (in)		125 x 48.44 x 11.04 (4.92 x 1.91 x .435)
		Outboard – mm (in)		125 x 48.44 x 11.04 (4.92 x 1.91 x .435)
	Lining area – cm^2 (in^2)			242.45 (37.59)
	Eff. area – cm^2 (in^2)			204.38 (31.69)
	Swept Area – cm^2 (in^2)			1236.32 (191.68)
	Piston diameter – mm (in)			63.5 (2.5)
Rear Brakes	Type			Finned drum – composite, web cast into rim
	Material			Web – HR steel; Rim – cast iron
	Diameter & width – mm (in)			241 x 50.8 (9.5 x 2.0)
	Lining material			Molded asbestos composition
	Method of Attachment			Riveted
	Lining Size (length x width x thickness)	Primary	mm	192.49 x 51.0 x 4.98
			in	7.58 x 2.0 x .196
		Secondary	mm	249.61 x 51.0 x 6.75
			in	9.83 x 2.0 x .266
	Lining area – cm^2 (in^2)			449.18 (69.64)
	Eff. area – cm^2 (in^2)			411.09 (63.73)
	Swept area – cm^2 (in^2)			748.77 (116.09)
	Piston diameter – mm (in)			19.05 (0.75)
Apply System	Master cylinder dia. – mm (in)			24 (.94
	Piston travel – mm (in)			33.33 (1.31)
	Pedal travel – mm (in)			134.4 (5.29)
	Pedal ratio – mm (in)			3.50:1
Parking Brake	Type			Mechanical – Pull rods and cables operate rear service brakes; parking brake 'ON' warning lamp provided
	Control			Applied with pendulum foot pedal; released by 'T' handle located on instrument panel left of steering wheel
	Total effective area – cm^2 (in^2)			411.09 (63.73)

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray lamp	1-1445	.7
Backing lamps	2-1156	32
Brake warning - alarm	1-194	2
Check engine indicator	1-194	2
Courtesy - Instrument panel	2-906	6
Directional signal indicators	2-168	3
Dome	[illegible]	12
Dome & Reading lamp	1-[illegible]94	15
Generator indicator	[illegible]	2
Glove compartment	1-[illegible]	2
Headlamp	2-6052	High beam 65W
		Low beam 55W
Headlamp hi-beam indicator	1-194	2
Heater or A/C controls	1-194	2
Instrument cluster	7-168	3
License plate, rear	2-194	2 Coupes & Sedans
	1-194	3 Station Wagons
	1-194	4 Pickups
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Parking	2-1157 NA	
Park		2.2
Turn		24
Radio dial RPO U63 and/or U69	1-194	2
Radio dial and indicator RPO U58	1-194	2
Radio dial and indicator RPO UM1 and/or UM2	2-37	5
Radio dial & indicator light (RPO UP5 & 6)	1-194	2
Radio dial indicator light (RPO UN3)	2-37	5
Rear compt. courtesy lamp	1-562	6
Seat belt warning indicator	1-194	2
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Tail	2-1157 Coupes & Sedan 4-1157 Station Wagons 4-1157 Pickups	
Tail		3
Stop and turn		32
Temperature indicator	1-194	2
Underhood	1-93	15
W/S washer & light switch ind.	1-194	2

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	50 amp CB	In line
	20 amp fuse	Fuse panel (f)
Back-up lamps	20 amp fuse	Fuse panel (b)
Brake alarm lamp	20 amp fuse	Fuse panel (c)
Check engine lamp	20 lamp fuse	Fuse panel (c)
Choke heater	20 amp fuse	Fuse panel (l)
Cigarette lighter	20 amp fuse	Fuse panel (d)
Cigarette lighter indicator	5 amp fuse	Fuse panel (a)
Clock	20 amp fuse	Fuse panel (d)
Courtesy lamps	20 amp fuse	Fuse panel (d)
Deck lid release	20 amp fuse	Fuse panel (c)
Defogging unit	20 amp fuse	Fuse panel (c)
Direction signal indicator lamps	20 amp fuse	Fuse panel (b)
Dome lamp	20 amp fuse	Fuse panel (d)
Dome & reading lamp	20 amp fuse	Fuse panel (d)
Door unlock	25 amp fuse	Fuse panel (g)
Fuel gage	20 amp fuse	Fuse panel (c)
Generator warning lamp	20 amp fuse	Fuse panel (c)
Glove compartment lamp	20 amp fuse	Fuse panel (d)
Headlamps	Circuit breaker	Light switch
Headlight buzzer	20 amp fuse	Fuse panel (c)
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	20 amp fuse	Fuse panel (f)
Heater control lamp	5 amp fuse	Fuse panel (a)
Idle stop solenoid	10 amp fuse	Fuse panel (j)
Instrument cluster lamps	5 amp fuse	Fuse panel (a)
Key buzzer	20 amp fuse	Fuse panel (d)
License plate lamp, rear	20 amp fuse	Fuse panel (k)
Luggage compartment lamp	20 amp fuse	Fuse panel (d)
Oil pressure warning lamp	20 amp fuse	Fuse panel (c)
Override – headlight buzzer	10 amp fuse	Fuse panel (c)
Parking lamps	20 amp fuse	Fuse panel (k)
Power antenna	20 amp fuse	Fuse panel (d)
Power windows	70 amp CB	Firewall
Radio	10 amp fuse	Fuse panel (e)
Radio digital clock	20 amp fuse	Fuse panel (d)
Radio lamp	5 amp fuse	Fuse panel (a)
Rear defogger, electric	20 amp fuse	Fuse panel (c)
Seat belt warning lamp	20 amp fuse	Fuse panel (c)
Seat belt warning buzzer	20 amp fuse	Fuse panel (c)
Side marker lamp - front	20 amp fuse	Fuse panel (k)
Side marker lamp - rear	20 amp fuse	Fuse panel (k)
Speed cruise control	20 amp fuse	Fuse panel (c)
Stop and turn lamps	20 amp fuse	Fuse panel (h)
Tail lamps	20 amp fuse	Fuse panel (h)
Temperature warning lamp	20 amp fuse	Fuse panel (c)
Traffic hazard indicator	5 amp fuse	Fuse panel (a)
Underhood lamp	20 amp fuse	Fuse panel (d)
Windshield washer light switch	5 amp fuse	Fuse panel (a)
Windshield wiper, two-speed	25 amp fuse	Fuse panel (g)
Wiper – pulse system	10 amp fuse	Fuse panel (j)

* Letter suffix indicates same circuit

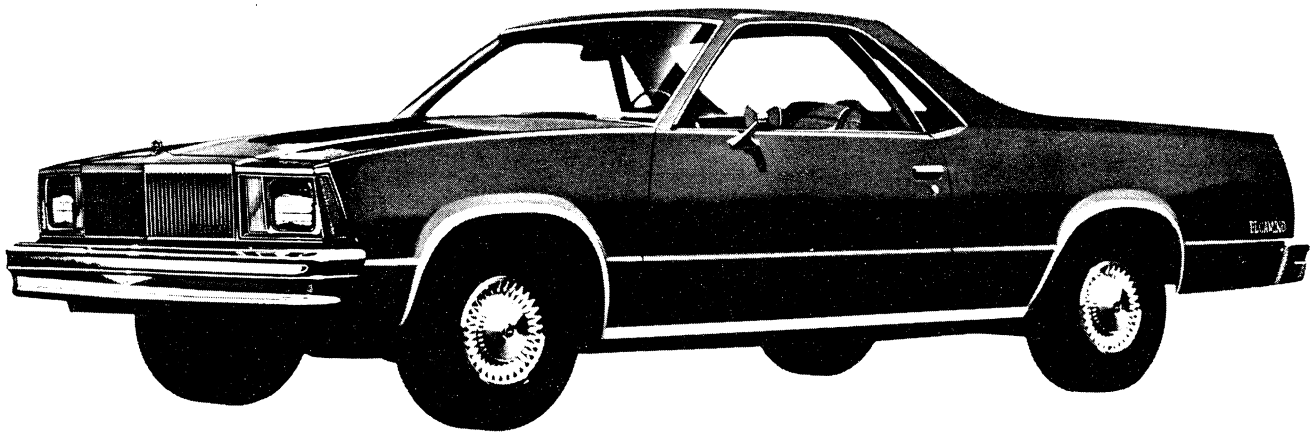
EL CAMINO

CAB & BODY FEATURES
COLOR & TRIM CHARTS
TWO-TONES

EL CAMINO

STANDARD EL CAMINO MODEL

The Standard model includes the following items as standard equipment.



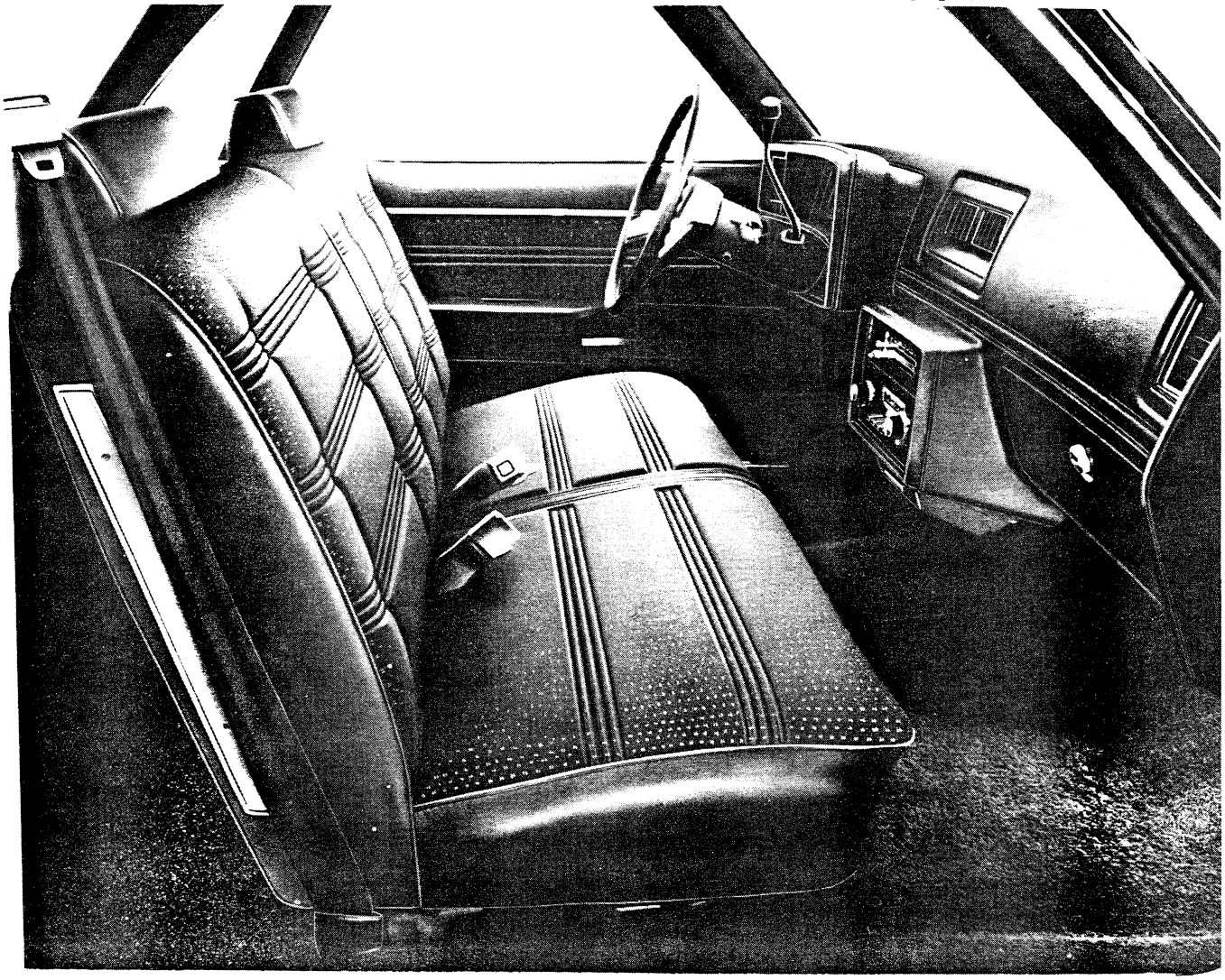
EXTERIOR

- **Bright Appearance Items:**
  "CHEVROLET" letters: in lower LH corner of grille
  Chevrolet Bow Tie emblem: On center of grille header panel, at upper center of tailgate and in center of wheel covers
  "El Camino" nameplates: Sides of rear fenders
  Chrome front and rear bumpers
  Door lock cylinders
  Door lock handles
  Grille and moldings
  Headlight bezels
  Headlamp, parking lamp and marker lamp moldings
  Hood ornament; upright mounted, on front end panel
  LH side rearview mirror
  License pocket moldings
  Pickup box, rear sail panel and rear roof moldings
  Quarter window moldings
  Rear marker lamp moldings
  Rocker panel moldings
  Roof drip moldings
  Side door belt bead moldings
  Wheel covers
  Wheel opening moldings
  Windshield and back window reveal moldings
- **Color:** See Interior and Exterior Color Selection Chart
- **Door Opening and Locking Methods:**
  Side doors; lift bar latch release with key lock cylinder
  Tailgate; single pivot handle on inside surface of tailgate, double latch
- **Doors:** RH and LH side doors and tailgate
- **Glass:** Windshield, drop glass in each side door. Side quarter windows, and back glass
- **Grille:** Plastic construction; chrome plated
- **Horn:** Dual note
- **Lights:**
  Combination parking/direction. Two front; single lens
  Combination tail/stop/direction and backup, mounted in bumper
  Headlights. Two; single rectangular, with integral side marker and reflectors
  License plate. Single rear
  Side marker and reflectors. 2 rear, quarter panel mounted
- **Mirror:** LH chrome fixed arm with 5" rectangular head
- **Side Door Beams:** Steel beam running full width inside each side door
- **Tools:** Mechanical jack; wheel wrench
- **Wheels:** 14" x 6"; 5 bolt, 4¾" bolt circle
- **Windshield Wipers and Washers:** Electric; 2-speed wipers Hide-A-Way blades and arms

EL CAMINO

STANDARD EL CAMINO MODEL

The Standard model includes the following items as standard equipment.



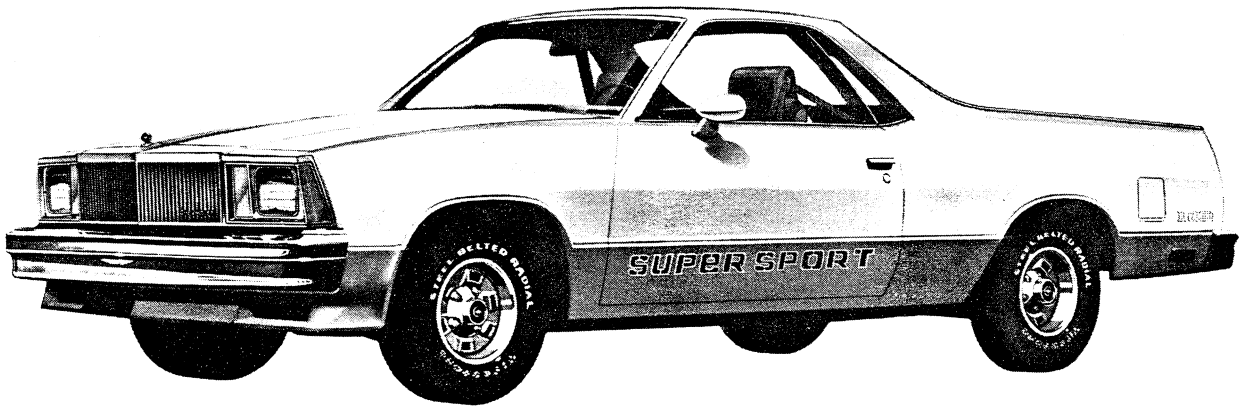
INTERIOR

- **Air Vents:** RH and LH cowl side; individually controlled
- **Armrests:** RH and LH full padding
- **Ashtray:** Lighted
- **Carpeting:** Color-keyed nylon cut pile
- **Cigarette Lighter**
- **Colors, Interior:**
  See Interior Color Selections Charts
- **Courtesy Light Switches:** Door-actuated
- **Door Locks:** Inside; bright pushbutton lock/release
- **Door Seals:** Closed-cell-type rubber
- **Flow-through ventilation system**
- **Glove Compartment:** Lighted
- **Headliner:** Cloth over foam padding
- **Heater and Defroster:** Deluxe-air
- **Instruments:**
  Gauges: Speedometer, odometer and fuel
  Switches: Exterior lights, instrument lights, dome light, wiper-washer, headlight beam (column operated), ignition, directional signal with lane change position, hazard warning and heater
  Warning Lights: Generator, oil pressure, engine temperature, brake warning, seat belt, direction signals and high beam
- **Instrument Panel:** Fiberglass filled plastic; energy absorbing
- **Instrument Panel Knobs:** Black; aluminum faced
- **Insulation and Sound Deadening:** Dash (firewall), under floor mat and other strategic points
- **Interior Lights:** Instrument and dome operated by main light switch
- **Mirror, Rearview:** Inside; 10" wide, day-night type
- **Scuff Plates:** Side door opening protection and floor mat retainer
- **Seat:** Full width, choice of 1) cloth or 2) textured all-vinyl trim (at extra cost)
- **Seat and Shoulder Belts:** 3 sets of seat belts; 2 shoulder belts in outboard positions; includes warning light and buzzer for driver's seating position
- **Spare Tire and Carrier:** Stored horizontally behind seat on passenger side
- **Steering Lock:** Column-mounted combination ignition switch, transmission lock, steering lock and accessory switch
- **Steering Wheel:** Color-keyed grained plastic; soft rim with insert. "Chevrolet" bowtie on shroud; energy absorbing, locking column
- **Sunshades:** RH and LH padded; cloth covered
- **Trim Panels:** Cloth/vinyl door trim panels with bright trim, vinyl-coated cowl side panels and cloth/foam padded headliner
- **Warning Buzzer:** Ignition key removal warning; activated by opening side door with key in switch; driver's seat belt unattached warning
- **Window Regulator Knobs:** Clear plastic
- **Windshield Pillar Moldings:** Color-keyed

EL CAMINO

EL CAMINO SUPER SPORT MODEL

The Super Sport model includes all items listed for the Standard model plus the following additions or substitutions.



EXTERIOR

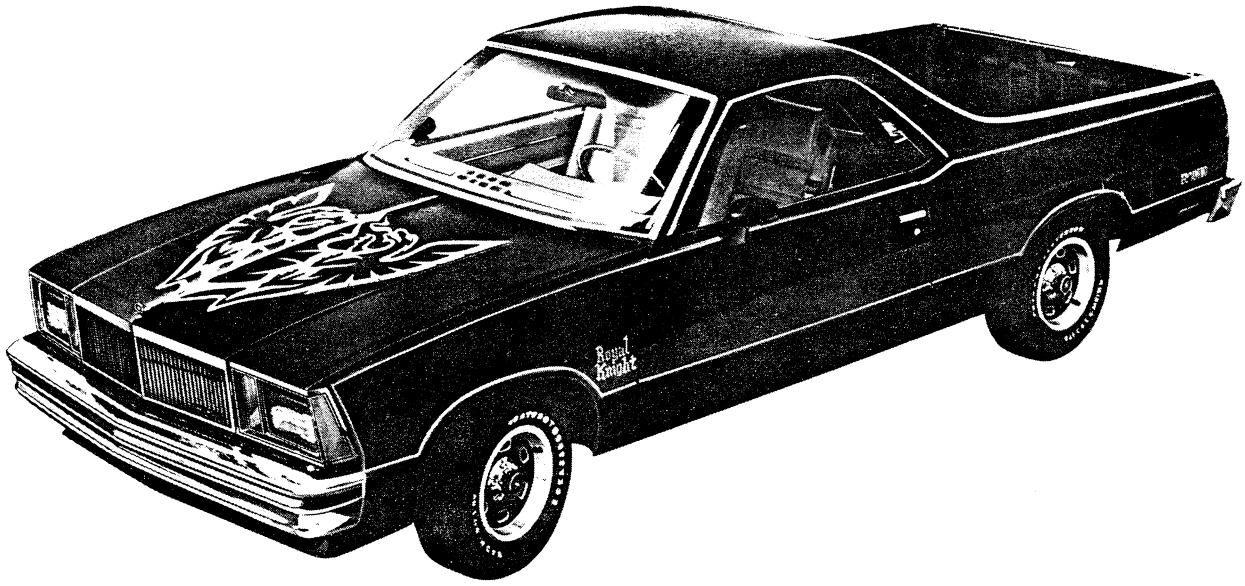
- **Bright Appearance Items:**
  Delete wheel opening and rocker panel moldings
- **Front Air Dam:** Painted lower body color
- **Mirrors:** Sport type, LH and RH, painted upper body color
- **Ornamentation:** "Super Sport" decals on lower portion of doors and on tailgate. Vinyl pinstriping decal to cover paint break lines.
- **Quarter Window Moldings:** Black
- **Paint:** Accent paint color on lower body.
- **Rally Wheels:** Painted to match lower body color

INTERIOR

- **Ornamentation:** "El Camino SS" nameplate on instrument panel above glove compartment door

EL CAMINO SUPER SPORT MODEL WITH ROYAL KNIGHT OPTION—RPO Z16

(This option includes all items listed for the Super Sport model plus the following additions or substitutions)



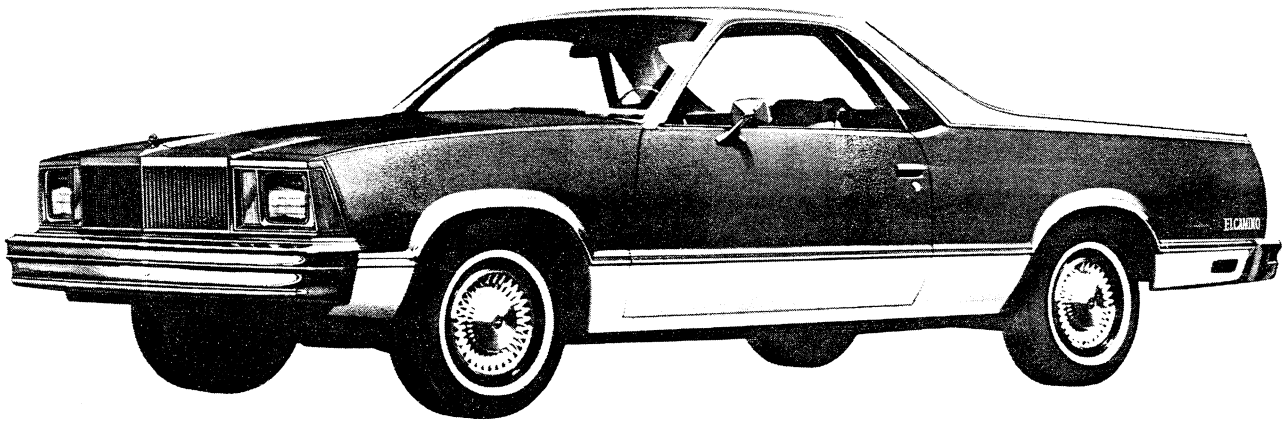
EXTERIOR

- **Special side striping on front fenders, bodysides, tailgate and sides of pickup box color-keyed to exterior color choice.**
- **Single-tone exterior color**
- **Large, bold hood decal**
- **"Royal Knight" decal on front fenders and tailgate**

EL CAMINO

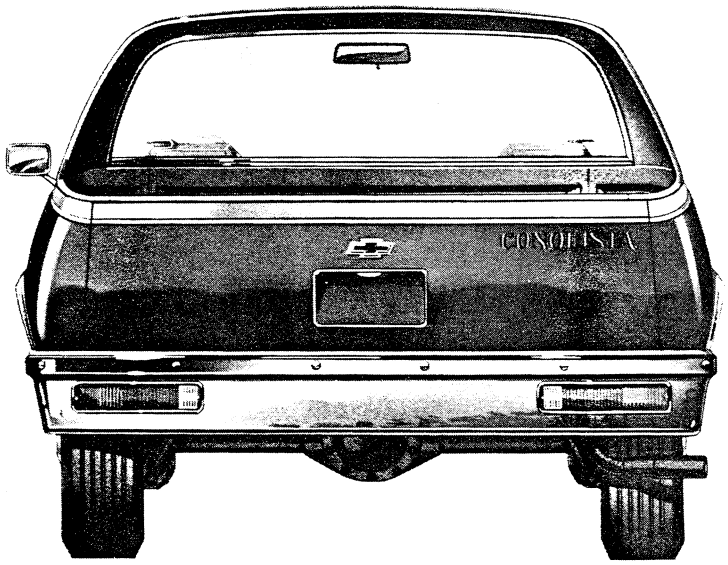
EL CAMINO WITH CONQUISTA OPTION—RPO D91

(This option includes all items listed for the standard model plus the following additions or substitutions)



EXTERIOR

- **Bright paint break moldings on front fenders, bodysides, tailgate and sides of pickup box**
- **"Conquista" decal on RH upper portion of tailgate**
- **Special two-tone paint**

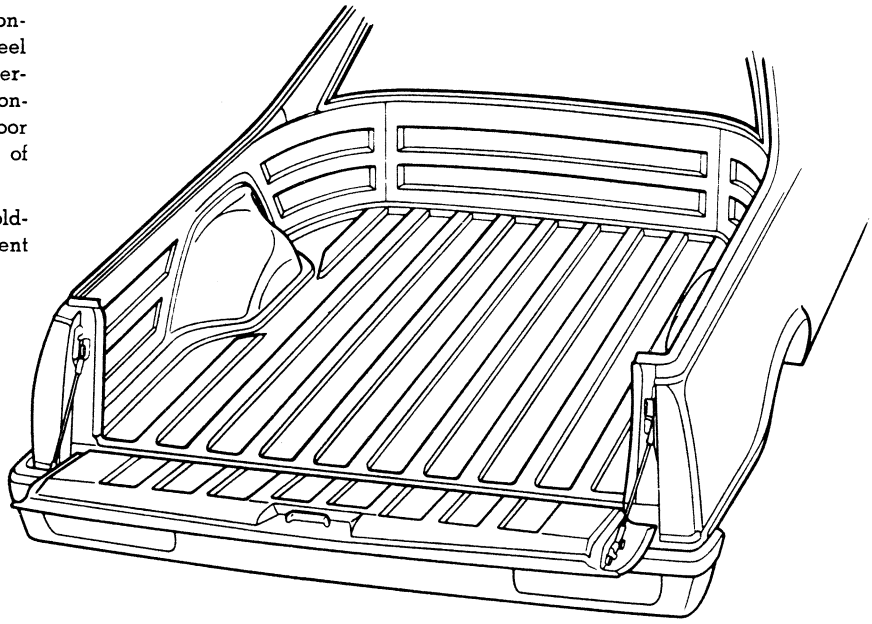


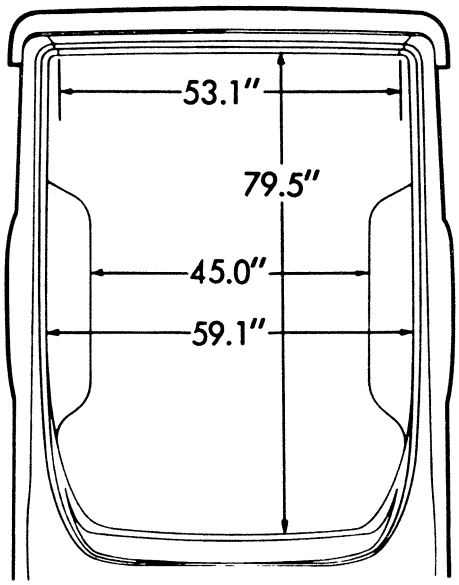
EL CAMINO

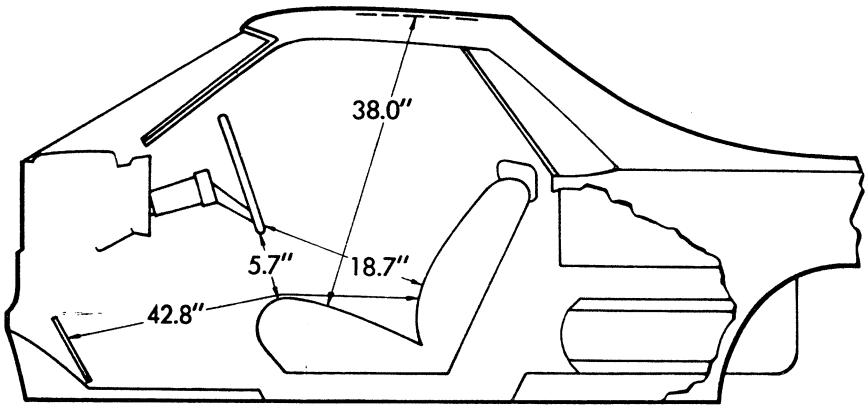
DIMENSIONS

The El Camino pickup box features double-wall construction on the side panels and a ribbed all-steel floor. The tailgate, featuring easy, one-hand operation and grain-tight seal also has double-wall construction and forms a continuation of the ribbed floor when lowered. The pickup box has a capacity of approximately 35.5 cubic feet.

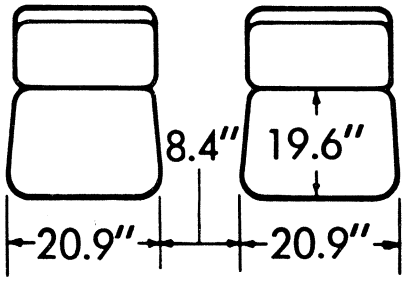
All El Camino models have a bright metal molding at the top of the box and tailgate to prevent paint chipping when loading or unloading.



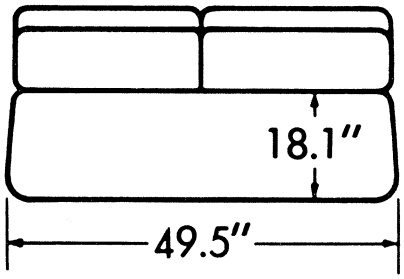




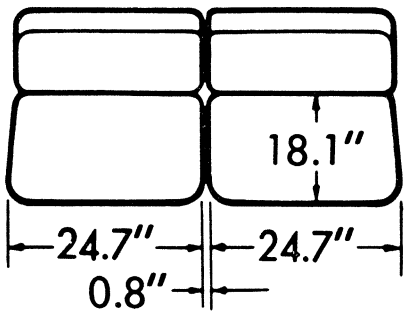
CAB DIMENSIONS*



BUCKET SEATS



BENCH SEAT



50/50 SEAT

*All interior dimensions measured with seat in rear position.

EL CAMINO

INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

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 as verification that the requested combination is definitely desired.*

VINYL ROOF COLOR	CODE
Camel, Light (Metallic)	CC
Black	BB
Blue, Light (Metallic)	DD
Claret, Dark (Metallic)	RR
Green, Dark (Metallic)	GG
Gray	QQ
White	WW

INTERIOR TRIM COLORS AND CODES						
Interior Trim Color			Black	Blue	Camel	Claret
MODEL	SEAT TYPE					
El Camino (Standard Model)	Cloth Bench			CDD1	CCC1	CRR1
	Cloth Bucket			CDD2	CCC2	CRR2
	Cloth 50/50			CDD3	CCC3	CRR3
	Vinyl Bench		VBB1	VDD1	VCC1	VRR1
	Vinyl Bucket		VBB2	VDD2	VCC2	VRR2
	Vinyl 50/50		VBB3	VDD3	VCC3	VRR3
EXTERIOR PAINT COLOR	COLOR CODE Lower	Upper				
Beige	59	59	R	R	R	R
Black	19	19	R	R	R	R
Blue, Dark (Metallic)	29	29	A	R	R	
Blue, Light (Metallic)	21	21	A	R		
Camel, Light (Metallic)	63	63	A		R	
Camel, Medium (Metallic)	69	69	R		R	
Cinnabar	77	77	R		R	
Claret (Metallic)	75	75	A			R
Claret, Dark (Metallic)	76	76	A		R	R
Gray	85	85	R	R	A	R
Green, Dark (Metallic)	44	44	A		R	
Silver (Metallic)	15	15	R	R		R
White	11	11	R	R	R	R
Yellow	50	50	R		R	
VINYL ROOF SELECTION						
EXTERIOR PAINT COLOR	CODE		RECOMMENDED VINYL ROOF COLOR			
Beige	59		BB		CC	RR
Black	19		BB	BB	BB or CC	BB or RR
Blue, Dark (M)	29		BB	BB or DD	CC	
Blue, Light (M)	21		BB or DD	DD		
Camel, Light (M)	63		CC		CC	
Camel, Medium (M)	69		BB		CC	
Cinnabar	77		BB			
Claret (M)	75		BB			RR
Claret, Dark (M)	76		RR		RR or CC	RR
Gray	85		QQ	QQ	QQ	QQ or RR
Green, Dark (M)	44		GG		CC or GG	
Silver (M)	15		BB			RR
White	11		WW or BB	WW	WW or CC	WW or RR
Yellow	50		BB			

R—Recommended
A—Acceptable

EL CAMINO SUPER SPORT

INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

PLEASE NOTE: *The exterior and interior combinations shown in the chart below are the only combinations that are available.*

INTERIOR TRIM COLORS AND CODES										
Interior Trim Color						Black	Blue	Camel	Claret	
MODEL	SEAT TYPE									
El Camino Super Sport	Cloth Bench						CDD1	CCC1	CRR1	
	Cloth Bucket						CDD2	CCC2	CRR2	
	Cloth 50/50						CDD3	CCC3	CRR3	
	Vinyl Bench					VBB1	VDD1	VCC1	VRR1	
	Vinyl Bucket					VBB2	VDD2	VCC2	VRR2	
	Vinyl 50/50					VBB3	VDD3	VCC3	VRR3	

EXTERIOR PAINT COLOR	COLOR CODE		LOWER PAINT ACCENT COLOR AND ORDERING CODE #		DECAL OUTLINE AND LETTERING COLORS*					VINYL TOP COLOR AVAILABILITY (IF SPECIFIED)
	Lower	Upper								
Black	19	19	Camel, Light (M)	63M	Gold	R		R		BB or CC
Black	19	19	Cinnabar	77M	Red	R				BB
Black	19	19	Silver (M)	15M	Red	R			R	BB
Blue, Dark (M)	29	29	Silver (M)	15M	Blue		R			DD
Blue, Light (M)	21	21	Blue, Dark (M)	29M	Blue		R			DD
Camel, Light (M)	63	63	Black	19M	Gold	R		R		BB or CC
Camel, Medium (M)	69	69	Black	19M	Gold	R		R		BB
Camel, Medium (M)	69	69	Camel, Light (M)	63M	Gold			R		CC
Cinnabar	77	77	Black	19M	Red	R				BB
Cinnabar	77	77	Silver (M)	15M	Red	R				QQ
Claret (M)	75	75	Black	19M	Red	R			R	BB
Claret (M)	75	75	Claret, Dark (M)	76M	Red	R			R	RR
Claret, Dark (M)	76	76	Camel, Light (M)	63M	Gold			R	R	CC or RR
Gray	85	85	Gray (M)	16M	Red	R			R	QQ
Silver (M)	15	15	Black	19M	Red	R			R	BB
Silver (M)	15	15	Cinnabar	77M	Red	R				QQ
Silver (M)	15	15	Claret (M)	75M	Red	R			R	QQ
White	11	11	Black	19M	Red	R			R	BB or WW
White	11	11	Camel, Light (M)	63M	Gold			R		CC or WW

R—Recommended
(M)—Metallic
*Color determined by exterior color, lower accent color and interior trim combination.
#Must be ordered. Specify choice in option portion of order form.

EL CAMINO CONQUISTA

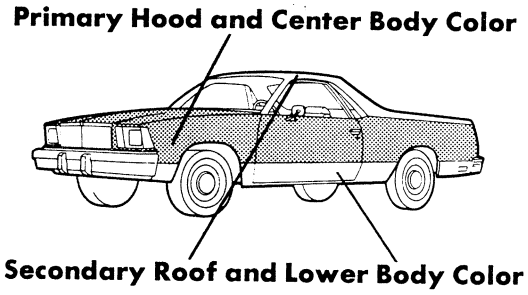
INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

PLEASE NOTE: *The exterior and interior combinations shown in the chart below are the only combinations that are available.*

INTERIOR TRIM COLORS AND CODES							
Interior Trim Color				Black	Blue	Camel	Claret
MODEL	SEAT TYPE						
El Camino (with Conquista Option D91)	Cloth Bench				CDD1	CCC1	CRR1
	Cloth Bucket				CDD2	CCC2	CRR2
	Cloth 50/50				CDD3	CCC3	CRR3
	Vinyl Bench			VBB1	VDD1	VCC1	VRR1
	Vinyl Bucket			VBB2	VDD2	VCC2	VRR2
	Vinyl 50/50			VBB3	VDD3	VCC3	VRR3
HOOD AND CENTER BODY	LOWER	ROOF AND LOWER BODY	UPPER				VINYL ROOF (ZK9) (IF SPECIFIED)#
Silver (M)	15	Black	19	R			R	Black
Blue, Medium (M)	22	Blue, Dark (M)	29		R			Blue, Light (M)
Gray	85	Blue, Dark (M)	29		R			Gray
White	11	Blue, Light (M)	21		R			White
Beige	59	Camel, Light (M)	63			R		Camel, Light (M)
Claret, Dark (M)	76	Camel, Light (M)	63			R	R	Claret, Dark (M)
Black	19	Camel, Medium (M)	69	R		R		Black
Claret, Dark (M)	76	Claret (M)	75	R			R	Claret, Dark (M)
Gray	85	Claret, Dark (M)	76				R	Gray
White	11	Cinnabar	77	R		R		White
Gray (M)	16	Gray	85	R			R	Gray
Beige	59	Green, Dark (M)	44			R		Green, Dark (M)

#If vinyl roof is desired, order as option ZK9. Vinyl roof color is determined by exterior paint combination selected.
(M) Metallic **(R)** Recommended

CONQUISTA TWO-TONE PAINT—D91



EL CAMINO ROYAL KNIGHT

INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

PLEASE NOTE: *The exterior and interior combinations shown in the chart below are the only combinations that are available.*

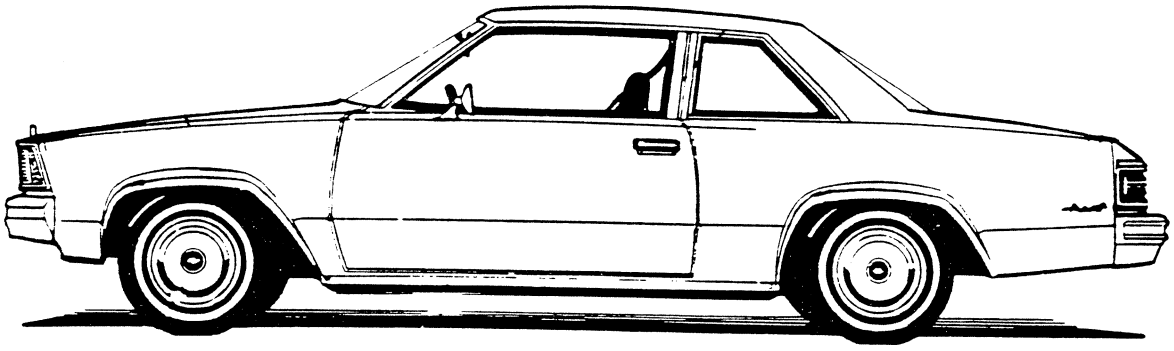
INTERIOR TRIM COLORS AND CODES							
Interior Trim Color				Black	Blue	Camel	Claret
MODEL	SEAT TYPE						
El Camino Super Sport (with Royal Knight Option Z16)	Cloth Bench				CDD1	CCC1	CRR1
	Cloth Bucket				CDD2	CCC2	CRR2
	Cloth 50/50				CDD3	CCC3	CRR3
	Vinyl Bench			VBB1	VDD1	VCC1	VRR1
	Vinyl Bucket			VBB2	VDD2	VCC2	VRR2
	Vinyl 50/50			VBB3	VDD3	VCC3	VRR3

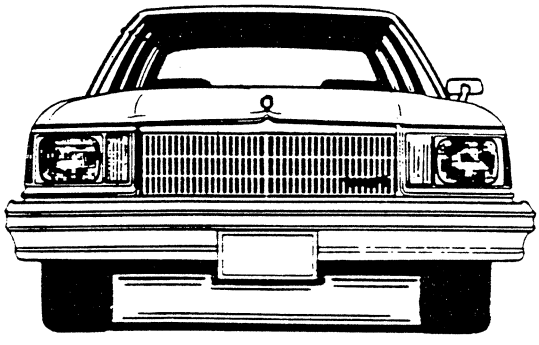
EXTERIOR PAINT COLOR	COLOR CODE		DECAL OUTLINE AND LETTERING COLORS					VINYL TOP COLOR AVAILABILITY (IF SPECIFIED)
	Lower	Upper						
Black	19	19	Gold	R		R		BB or CC
Black	19	19	Blue		R			BB
Black	19	19	Red				R	BB
Blue, Dark (M)	29	29	Blue		R			DD
Blue, Light (M)	21	21	Blue	R	R			DD
Camel, Light (M)	63	63	Gold			R		CC
Camel, Medium (M)	69	69	Gold			R		CC
Cinnabar	77	77	Red	R		R		BB
Claret (M)	75	75	Red				R	RR
Claret, Dark (M)	76	76	Red				R	RR
Claret, Dark (M)	76	76	Gold			R		RR
Silver (M)	15	15	Red	R			R	QQ
White	11	11	Red	R			R	WW
White	11	11	Blue		R			DD or WW
White	11	11	Gold			R		CC or WW

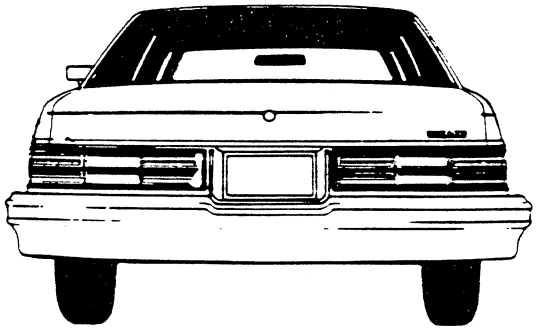
(M) Metallic **(R)** Recommended

MALIBU CLASSIC
(1AW19-27 Models)

GENERAL

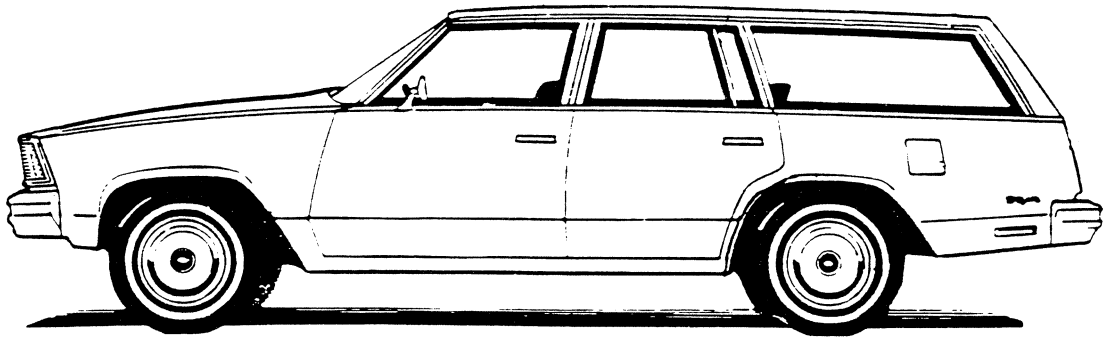






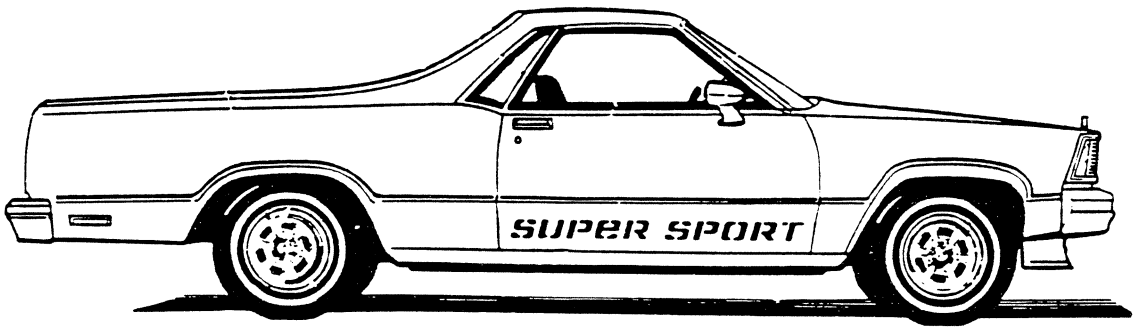
MODEL IDENTIFICATION

MALIBU
(1AT35 Model)



BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS. OR SEATS
A-CAR	MALIBU	4-Dr. Sedan	1AT19	6
		2-Dr. Coupe	1AT27	6
		4-Dr. Station Wagon	1AT35	2-Seat
	MALIBU CLASSIC	4-Dr. Sedan	1AW19	6
		2-Dr. Coupe	1AW27	6
		4-Dr. Station Wagon	1AW35	2-Seat
	EL CAMINO	2-Dr. Sedan Pickup	1AW80	5

EL CAMINO SUPER SPORT
(1AW80 Model with RPO Z15)



ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1 T 27 K A B 400001

- 1 — Make ("1" for Chevrolet)
- T — Car line and Series (***)
- 27 — Body style (last two digits of model number
- K — Engine Type (**)
- A — Model Year 1980
- B — Assembly Plant (*)
- 400001 — Sequential Number

*B – Baltimore–GMAD
D – Doraville–GMAD
K – Leeds–GMAD
R – Arlington–GMAD
Z – Fremont–GMAD (Canadian Plt.) #1 – Oshawa

**K – V6, 3.8L, 229 Cu.In. (115 H.P.)
A – V6, 3.8L, 231 Cu.In. (110 H.P.)
J – V8, 4.4L 267 Cu.In. (120 H.P.)
H – V8, 5.0L, 305 Cu.In. (155 H.P.)
*** – Malibu & Malibu Classic

EXAMPLE: The twenty-fifth Malibu vehicle built at GMAD Baltimore 1AT27 model sport coupe with a V6-229 (115 H.P.) engine would bear VIN Number 1T27KAB400025.

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

TRANSMISSION IDENTIFICATION

Example: S0E01

Type Designation	Source Designation	Model Year 1980	Production° Month & Date
Z6	S (Muncie)	0	E01D*

Z6	3-Speed	V-6 engine	S - Muncie
Z8	4-Speed	V-8 engine	R - Muncie
7CA	3-Speed Auto.	V-6 engine	B - Parma
			Y - Toledo
7WL		V-8 engine	B - Parma
			Y - Toledo

Location:
3 & 4-Speed . . . . . Stamped on top right hand side of transmission case.
3-Speed Automatic . . . . . 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: F1210CLA

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

3.8L 229 Cubic Inch V-6 Base Engine (RPO LC3)

CLA - Regular engine, 3-speed, 2-bbl. carb.
CLB - Regular engine, 3-speed automatic, 2-bbl. carb.

3.8L, 231 Cubic Inch V-6 Engine, California (RPO LD5)

EF - Base engine Calif., 3-speed automatic, 2-bbl. carb.

4.4L, 267 Cubic Inch V-8 Engine (RPO L39)

CPA - Optional engine, 3-speed automatic, 2-bbl. carb.

5.0L, 305 Cubic Inch V-8 Engine (RPO LG4)

CEA - Optional engine, 4-speed transmission, 4-bbl. carb.
CER - Optional engine, 3-speed automatic, 4-bbl. carb.

Location:
V6 & V8-cylinder engine . . . . . Stamped on top front of right hand bank of cylinder and case, as close as possible to lower end of pad.

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

REAR AXLE IDENTIFICATION

6BH – 2.29 Axle
6BJ – 2.41 Axle
6BY – 2.56 Axle
6BB – 2.73 Axle
6AX – 3.08 Axle

Location, Identification Number

Stamped on front of right hand axle tube, 3 to 5 inches outboard of the carrier.

See Power Train Section for additional information.

STANDARD EXTERIOR EQUIPMENT
SEDANS, COUPES AND WAGONS

	MALIBU	MALIBU CLASSIC
FRONT		
Radiator Grille – Light Weight Chrome Plated Plastic Grille (C)	X-N	X-N
"Chevrolet" block letter nameplate in LH lower portion of grille (C)	X-N	X-N
Wide, Bright Upper Grille Molding (Integral with Grille) (C)	X-N	X-N
Upright Front End Panel Center Ornament with Chevrolet Bow Tie Emblem (C)		X-N
Low Profile Front End Panel Center Ornament with Chevrolet Bow Tie Emblem (C)	X-N	
Headlamps, Single, Rectangular (C)	X	X
Chrome Plated Plastic Headlamp Bezels (C)	X-N	X-N
Parking Lamp in Front End Panel, Rectangular – Clear Lens and Amber Bulb (C)	X-N	X-N
Bright Windshield Reveal Molding (F)	X	X
Depressed Park Windshield Wipers with Non-articulated Arms (F)	X	X
SIDE		
Painted No. 2 Body Pillar with Bright Edges (27 only) (F)	X	
Bright No. 2 Body Pillar Molding (27 only) (F)		X
Bright Moldings Around Side Windows (19-35 only) (F)		X
Bright Molding Around Rear Quarter Window (35 only((F)	X	
Rear Quarter Window Moldings, Plactic, Color Coordinated (with integral bright reveal strip) (35 only) (F)	X	X
Bright Rocker Panel Molding (C)		X-N
Quarter Panel Nameplate (C)	"Malibu"	"Malibu Classic"
Bright Belt Bead Molding (F)	X	X
Bright Outside Rear View Mirror – LH (C)	X	X
Bright Door Handles, Lift Bar Type (F)	X	X
Front Marker Lamp, Trapezoidal Shaped, Amber Lens, Clear Bulb, Mounted in Fender Extension Portion of Front End Panel (F)	X-N	X-N
Rear Marker Lamp, Red Lens, Horizontally Oriented (35 models only)	X	X
Bright Roof Drip Moldings (F)	X	X
Narrow Wheel Opening Moldings (F & C)	X (35)	
Wide Wheel Opening Moldings (F & C)		X
Hub Caps, Aluminum (C)	X (19-27)	
Wheel Trim Covers (C)	X (35)	X
Rear Door Rear Vent Window Separation Molding Incorporates Bright Finish with Black Edge Accents (35 models only) (F)	X	X
REAR		
"Chevrolet" Block Letter Nameplate at R.H. Lower Corner of Deck Lid (19-27 models only) (F)	X-N	X-N
"Chevrolet" Block Letter Nameplate on Tailgate, at Right of License Plate (35 models only) (F)	X-N	X-N
Bright Rear Window Reveal Molding (19-27 models) (F)	X	X
Argent Tail Lamp Trim with black accents (19-27 models only) (F)	X-N	
Bright Tail Lamp Trim, Hot Stamped, with Black Accents (F)		X-N
Triple-Unit Tail Lamps on Body Rear Panel, horizontally divided for six-segment appearance, with Wrap-around Feature to Form Side Marker Lamps (19-27 models) (F)	X-N	X-N
Bright Deck Lid and Quarter End Cap Moldings (19-27 models only) (F)		X
Narrow, Bright Tailgate Window Edge Molding (35 models only) (F)	X	X
Black License Plate Pocket with Bright Molding (35 models only) (F)	X	X
Four-Unit Tailiamps, Mounted in Bumper (35 models only) (C)	X	X

(C) = Chevrolet Item
(F) = Fisher Item
N = New for 1980.

STANDARD EXTERIOR EQUIPMENT
EL CAMINO

FRONT (Same as Malibu and Malibu Classic)	EL CAMINO
Radiator Grille – Light Weight Chrome Plated Plastic Grille (C)	X-N
"Chevrolet" block letter nameplate in LH lower portion of grille (C)	X-N
Wide, Bright Upper Grille Molding (Integral with Grille) (C)	X-N
Upright Front End Panel Center Insert with Chevrolet Bow Tie Emblem (C)	X-N
Headlamps, Single, Rectangular (C)	X
Chrome Plated Plastic Headlamp Bezels (C)	X-N
Parking Lamps in Front End Panel, Rectangular – Clear Lens and Amber Bulb (C)	X-N
Bright Windshield Reveal Molding	X
Depressed Park Windshield Wipers with Non-Articulated Arms (F)	X
SIDE	
Quarter Panel Nameplate – "El Camino"	X
Bright Belt Bead Molding	X
Bright LH Outside Rear View Mirror (C)	X
Bright Molding along Pickup Box Side Rails (F)	X
Bright Lift Bar Door Handles (F)	X
Bright Rocker Panel Molding (F)	X-N
Wide, Bright Wheel Opening Moldings (F & C)	X
Bright Roof Drip Moldings (F)	X
Bright Quarter Window Separation Molding with Black Outer Edges	X
Wheel Trim Covers (C)	X
Front Marker Lamps, Trapezoidal Shaped, Amber Lens with Clear Bulb, Mounted in Front Fender Extension Portion of Front End Panel (C)	X-N
Rear Side Marker Lamps, Horizontally Oriented, Rectangular, Red Lens with Integral Bezel (C)	X
REAR	
Tailgate Mounted Chevrolet "Bow Tie", Centered above License (F)	X
Rectangular Tail and Backup Lamps, Bumper Mounted (C)	X
Bright Rear Window Reveal Molding (F)	X
Black License Pocket with Bright Molding (F)	X

(C) = Chevrolet Item
(F) = Fisher Item
N = New for 1980

STANDARD INTERIOR EQUIPMENT
SEDANS, COUPES AND WAGONS

SEATS AND FLOOR COVERING	MALIBU	MALIBU CLASSIC
Front and Rear Seat Cushion and Backrest, Fixed Rear Seat Backrest (19-27 Models) Base Level Seat Trim. Full Molded Foam (F)	X-M	
Folding Rear Seat (35 Model) Otherwise, Same as Above (F)	X-M	
Front and Rear Seat Cushion and Backrest. Fixed Rear Seat Backrest (19-27 Models) Deluxe Level Seat Trim (F)		X
Folding Rear Seat (35 Model). Otherwise, Same as Above (F)		X
Rear Passenger Compartment Ash Trays in Center of Front Seat Back (4-door models) or in Back of Driver's Seat (Coupe model) (F)	X	X
Three Point Front Seat Outboard Belt System (Lap and Shoulder) with Single Locking Retractor (One per side), Color-Coordinated (F)	X-M	X-M
Color-Coordinated Rear Seat Lap Belts (3-Sets) Locking Outer Retractors (F)	X-M	X-M
Color-Coordinated Front Seat Center Lap Belt (F)	X-M	X-M
Front seat Head Restraints (F)	X	X
Package Shelf Embossed Board (19-27 Models) (F)	X	X
Carpet, Floor Covering – Nylon Cut Pile (F)	X	X
Inertia Type Front Seat Back Locks (For 27 Coupe Models) (F)	X	X
DOOR AND QUARTER PANEL		
Plastic Molded Front Door Lower Trim Panel with Padded Armrest (F)	X	
Fabric Covered Front Door Upper Panel (Base Level Trim) (F)	X	
Plastic Molded Rear Door Lower Trim Panel, w/Armrest (19-35 Models) (F)	X	
Fabric Covered Rear Door Upper Trim Panel (Base Level Trim) with Recessed Area (19-35 Models) (F)	X	
Plastic Molded Front Door Lower Trim Panel with Padded Armrest and Carpeted Lower Portion (F)		X
Fabric Covered Front Door Upper Panel (Deluxe Level Trim) (F)		X
Plastic Molded Rear Door Lower Trim Panel with Armrest, and Carpeted Lower Portion (19-35 Models) (F)		X
Fabric Covered Rear Door Upper Trim Panel (Deluxe Level Trim) (19-35 Models) (F)		X
Pull Type Door Handle (F)	X	X
Rear Quarter Panel Built-in Armrest (27 models)	X	X
Recessed Stowage Pockets in Rearward Portion of Cargo Area Quarter Trim Panels (35 Models Only) (F)	X	X
Window Control Handle Knobs, Clear Plastic (F)	X	X
Door Lock Buttons – Bright (F)	X	X
Front and Rear Door Locks 2-Position Free Wheeling (F)	X	X
Rear Quarter Sidewalls – Molded Plastic (F)	X	X
CARGO AREA – FLOOR		
Station Wagon Load Floor with Interior Color Paint Finish (F)	X	X
Hinged Panel in Station Wagon Cargo Floor Provides Access to Spare Tire and Stowage Area. Panel latch operating nomenclature on handle (F)	X	X
Positive Hold-open Feature for Station Wagon Stowage Area Cover (F)	X	X
Needled Fibre Spare Tire Compartment Lining (35 Models Only) (F)	X	X
Black Spatter-Painted Trunk Compartment Finish (19-27 Models) (F)	X	X
Vinyl Covered Foam Trunk Floor Covering in Black (19-27 Models) (F)	X	X

(C) = Chevrolet item
(F) = Fisher item
(N) = New for 1980
(M) = Modified for 1980

STANDARD INTERIOR EQUIPMENT
SEDANS, COUPES AND WAGONS

ROOF AND PILLARS	MALIBU	MALIBU CLASSIC
Headlining, Alpine Cloth over Medium Thickness Foam Padding (F)	X	
Headlining, Alpine Cloth over Thicker Foam Padding (F)		X
Rear View Mirror; 10" Prismatic – Textured Black Metal Vinyl Clad (F)	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted (F)	X	X
Sunshade, Padded, Non-Hook, Victor Cloth Covered, Diagonal Break Line at Outboard Corner (F)	X	X
Roof Side Rail Garnish Moldings – Painted Aluminum (F)	X	X
Rear Window Moldings – Painted Aluminum (F)	X	X
Windshield Garnish Molding – Painted Aluminum (F)	X	X
Center Pillar Lower Finish Panel, Molded Plastic (19-35) (F)	X	X
Center Pillar Upper Molding – Molded Plastic (19-35) (F)	X	X
Rear Quarter Upper Trim Panel, Molded Plastic (F)	X	X
Coat Hooks, Plastic – Trim Color (F)	X	X
Center Dome Light – Plastic Lens (F)	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F)	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar (F)	X	X
INSTRUMENT PANEL AND STEERING COLUMN		
Glove Compartment, Ash Tray and Instrument Panel Courtesy Lamps (C)		X
Warning Lights – Temperature, Generator, Oil Pressure, Brakes, Seat Belts (C)	X	X
Indicators – Hi-Beam, Turn Signal and Hazard Flashers (C)	X	X
Two-Speed W/S Wiper and Washer – Slide Type, Depress to Wash, Bright Knob, Switch Illuminated (C)	X	X
Ash Tray, Tip Down Type, Under Center Portion of IP (C)	X	X
Heater – Slide Type Controls, Bright Knobs, Illuminated (C)	X	X
Light Switch – Knob; Black Barrel with Brushed Aluminum Face (C)	X	X
Cigarette Lighter Knob; Black Barrel with Brushed Aluminum Face (C)	X	X
85 MPH (140 KPH) Speedometer – Odometer (C)	X-M	X-M
Fuel Gauge ("Unleaded Fuel Only") (C)	X-M	X-M
Glove Compartment Door Lock (C)	X	X
Black Handle for Parking Brake Release – Integrated into IP (C)	X	X
Black "T" Handle Interior Hood Release (C)	X	X
Trim Color Instrument Panel Pad (C)	X-M	X-M
R.H. Trim Molding, Extending Horizontally Across Instrument Panel Pad. Gloss Black Finish (C)		X-N
"Malibu" or "Malibu Classic" Nameplate, Bright, Script Lettering on black background, located on Instrument Panel Pad above Glove Box Door (F)	X	X
Clock Hole Cover Plate (C)	X	X
Color Keyed Steering Wheel, Column and Instrument Cluster Bezel with Color Coordinated Module (Square/Rectangular Instruments) (C)	X	X
Light Smoke Gray Inst. Cluster Face Plate Trim Beads, Bright Trim Beads on Heater Control Panel, Radio Cover Panel and Air Cond. Outlet Cover (F)	X	X
Soft Vinyl Steering Wheel and Shroud with Bow Tie Emblem on Shroud (C)	X	
Soft Vinyl Steering Wheel and Shroud with Bright Band Inset into Rim, Classic Emblem on Shroud (C)		X
Black Hazard Flasher Knob (C)	X	X
Black Soft Turn Signal/Headlamp Dimmer and Shift Lever Knobs (C)	X	X
Steering Column Ignition Switch and Integral Steering and Transmission Lock (C)	X	X
Dual Vent Control Knobs at L.H. and R.H. of Steering Column (C)	X	X
Plastic Cowl Kick Pads (C)	X	X

(C) = Chevrolet item
(F) = Fisher item
(N) = New for 1980
(M) = Modified for 1980

STANDARD INTERIOR EQUIPMENT
EL CAMINO

	EL CAMINO
ROOF AND PILLARS	
Headlining, Alpine Cloth over Thick Foam Padding (F)	X
Rear View Mirror, 10" Prismatic – Textured Black Metal Vinyl Clad (F)	X
Rear View Mirror Support, Bonded to W/S, Black Painted (F)	X
Sunshade, Padded, Non-Hook, Victor Cloth Covered, Diagonal Break Line at Outboard Corner (F)	X
Roof Side Rail Garnish Moldings – Painted Aluminum (F)	X
Windshield Garnish Moldings – Painted Aluminum (F)	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar	X
INSTRUMENT PANEL AND STEERING COLUMN	
Glove Compartment, Ash Tray and Instrument Panel Courtesy Lamps (C)	X
Heater Control Light (C)	X
Temperature, Generator, Oil Pressure, Brake and Seat Belt Warning Lights (C)	X
Hi-Beam and Turning Signal Indicators (C)	X
Two-Speed Windshield Wiper and Washer Switch (Slide Type, Depress to Wash), Bright Control Knob (C)	X
Light Switch – Knobs; Black Barrel with Brushed Aluminum Face (C)	X
Black Hazard Flasher Knob (C)	X
Black Turn Signal/Headlamp Dimmer and Transmission Shift Lever Knobs (C)	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock (C)	X
Black Hood Release Handle with White "HOOD" on Handle (C)	X
Black Parking Brake Release Handle – Integrated into IP (C)	X
Ash Tray, Tip Down Type, Under Center Portion of IP (C)	X
Cigarette Lighter – Knob; Black Barrel with Brushed Aluminum Face (C)	X
85 MPH (140 KPH) Speedometer and Odometer (C)	X-M
Trim Color Instrument Panel Pad (C)	X-M
R.H. Trim Molding, Extending Horizontally Across Instrument Panel Pad. Gloss Black Finish (C)	X-N
Soft Vinyl Steering Wheel and Shroud wih Bright Band Inset into Rim, Classic Emblem on Shroud (C)	X
Color-Keyed Steering Wheel, Column and Instrument Cluster Bezel with Color Coordinated Module (Square/Rectangular Instruments) (C)	X
Light Smoke Gray, Inst. Cluster Face Plate Trim Beads, Bright Trim Beads on Heater Control Panel, Radio Cover Panel and Air Cond. Outlet Cover (F)	X
Fuel Gauge ("Unleaded Fuel Only") (C)	X-M
Dual Vent Control Knobs at L.H. and R.H. of Steering Column (C)	X
SEATS AND FLOOR COVERING	
Front Seat Cushion and Backrest, Full Molded Foam, Upper Level Trim Desigr and Covering (F)	X
Three Point Front Seat Outboard Belt System (Lap and Shoulder) with Single Locking Retractor (One per Side), Color-Coordinated (F)	X-M
Front Seat Center Lap Belt, Color-Coordinated (F)	X-M
Front Seat Head Restraints (F)	X
Carpet, Floor Covering – Nylon Cut Pile (F)	X
Inertia Type Front Seat Back Locks (F)	X
DOOR AND QUARTER PANEL	
Plastic Molded Front Door Lower Trim Panel, with Padded Armrest and Carpeted Lower Portion (F)	X
Fabric Covered Door Upper Trim Panel (Deluxe Level Trim) (F)	X
Pull Type Door Handle (F)	X
Window Control Handle Knobs, Clear Plastic (F)	X
Door Lock Buttons – Bright (F)	X
Front Door Locks 2-Position Free Wheeling (F)	X
REAR INTERIOR COMPARTMENT	
Color-Keyed Plastic Rear Window Lower Garnish Molding (F)	X
Two-Piece Vertical Trim Panel Below Rear Window Molding (F)	X
Underfloor Stowage Compartment Behind Driver's Seat (F)	X
Underfloor Spare Tire Well Behind Passenger Seat (F)	X

(C) = Chevrolet item
(F) = Fisher item
(N) = New for 1980
(M) = Modified for 1980

EQUIPMENT	RPO	ACC.
MODEL OPTIONS		
'SS' Option (El Camino) (See page 13 for content)	Z15	
Malibu Classic "Landau" (See page 14 for content)	Z03	
Malibu Classic "Estate Wagon" (See page 14 for content)	BX3	
El Camino "Conquista" (See page 15 for content)	D91	
El Camino "Royal Knight" (See page 16 for content)	Z16	
POWER TEAMS		
3.8 Liter – V6, 229 CID (Federal only)	LC3	
3.8 Liter – V6, 231 CID (California only)	LD5	
4.4 Liter – V8, 267 CID (Federal only)	L39	
5.0 Liter – V8, 305 CID (All States)	LG4	
Automatic Trans. (Used with LC3, V6 LG4, V8 Engine) (Sedans and Coupes)	MV9	
Automatic Trans. (Used with LC3, V6 LG4, V8 Engine) (Wagons and El Camino)		
Automatic Trans. (Used with LD5, V6 LG4, V8 Engine) (Sedans and Coupes, California)	M33	
Automatic Trans. (Used with LD5, V6 LG4, V8 Engine) (Wagons and El Camino, California)		
Automatic Trans. (Used with LG4, V8 Engine) (Sedans and Coupes)	M38	
Automatic Trans. (Used with L39, V8 LG4, V8 Engine) (Wagons and El Camino)		
Automatic Trans. (Used with L39, LG4, V8 Engine) (Sedans and Coupes)	MV4	
Automatic Trans. (Used with LG4, V8 Engine) (Wagons and El Camino)		
Automatic Trans. (Used with L39, LG4, V8 Engine) (Sedans and Coupes)	M31	
Automatic Trans. (Used with LG4, V8 Engine (Wagons and El Camino)		

EQUIPMENT	RPO	ACC.
POWER ASSISTS		
Liftgate Lock Release, Electric (Station Wagons)	AU6	
Lock, Electric Door	AU3	
Steering, Hydraulic (Optional non A/C with V6, required all other applications)	N41	
Window Control, Electric	A31	
Front Seat, Electric Control (50/50 seat 1AW00 only)	AG9	
OTHER OPTIONS		
Air Conditioning, Four-Season (See page 17 for content)	C60	
Alarm, Theft		X
Battery, Heavy Duty	UA1	
Bumper Impact Strips Front and Rear	VE5	
Console, Front Compartment Floor (Requires bucket seats, 2-door models with floor mounted transmission controls)	D55	
Carrier, Roof Luggage – Wagon (With adjustable end rails)	V55	X
Clock, Electric	U35	X
Compass		X
Container, Tunnel Litter and Tissue (saddle type)		X
Deflector, Rear Window Air (Wagon)	C51	X
Defogger, Rear Window, (Electric) (All except El Camino)	C49	
Defogger, Rear Window (Forced air) (All except El Camino, Station Wagons)	C50	X
Floor Mats, Color-Keyed – (2 Front, 2 Rear) (Except El Camino – 2 Front only)	B37	X
Generator – 63 amp Delcotron	K81	
Gauges, Instrument Panel	UF7	
Gauges, Instrument Panel	U14	
Guards, Bumper Front and Rear	V30	
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 (Fleet use and Canadian use only)	A02	

EQUIPMENT	RPO	ACC.
OTHER OPTIONS		
Harness, Trailering Wiring		X
Hitch, Trailering, Equalizing Type		X
Hitch, Trailering – Deadweight Type		X
Heater, Engine Block		X
Horns, Dual (Optional 1AT00 Models, Base 1AW00 Models)	U05	
Lighting, Auxiliary	TR9	
Instrument Panel Courtesy Lamp (U29) (Base 1AW00 Models)		
Glove Compartment Light (U27) (Base 1AW00 Models)		X
Luggage Compt. Light (Except Wagon and Pickup) (U25)		X
Ash Tray Light (U28) (Base 1AW00 Models)		X
Underhood Light (U26)		X
Dome/Courtesy Lamp – Electronic Delay Switch (C94)		X
Headlamp Reminder Buzzer (T63)		X
Courtesy Dome Lamp – Cargo Area Wagon (C88)		X
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	
Molding, Deluxe Color-Keyed Body Side (not available with RPO Z15 or BX3)	BW2	
Molding, Side Window (19-35 models) (Standard 1AW00)	B90	
Moldings, Wheel Opening (1AT19-27)	B96	
Molding, Protective Body Side (5 Colors) Vinyl Insert		X
Radiator, Heavy Duty Cooling	V08	
Radio Equipment: Radios, Pushbutton – Includes Concealed W/S Antenna, except with Citizen's Band Radio, AM	U63	X
Radio, AM/FM	U69	X
Radio, AM/FM Stereo	U58	X
Radio, AM with Stereo Tape System	UM1	X
Radio, AM/FM Stereo with Stereo Tape System	UM2	X
Radio, AM/FM Stereo with Cassette Player	UN3	
Radio, AM/FM Monaural with Citizens Band Transceiver	UP5	
Radio, AM/FM Stereo with Citizens Band Transceiver	UP6	
Radio, AM/FM Stereo with Clock and Digital Display	UY8	
Speaker, Rear Seat (All except 1AW80)	U80	X
Speakers, Dual Front and Rear	U92	
Antenna, Power	U75	
Radio, Citizens Band		X
Roof Cover, Vinyl (All except Station Wagons and El Camino)	C09	
Seat, Passenger 50/50 (with Dual folding center Armrests (1AW00 Models)	AV7	
Seat, Bucket (2-Door Models only)	A51	
Seat, Child Safety		X
Seat, Infant Safety		X
Spotlight, Hand		X
Stowaway Spare, Wheel and Tire, P195/75 x 14 (All except 1AW80) Requires Limited Slip Axle	N65	

EQUIPMENT	RPO	ACC.
OTHER OPTIONS		
Automatic Speed Control (Requires automatic transmission and power brakes)	K30	X
Steering Wheel, Comfortilt	N33	
Suspension, H.D. Front and Rear (N.A. Station Wagons or El Camino)	F40	
Sport Suspension (Requires P205-70 Steel Belted Tires and V8 Engine) (N.A. Station Wagons)	F41	
Warmer, Interior Car		X
Wheel Trim Covers – Styled Plastic	PB2	X
Wheel Trim Covers – (Optional on 1AT 19-27; Standard All Others)	P01	
Wheel Covers Special, Simulated Wire Wheel (Not available with RPO Z15 Super Sport, Z16 Royal Knight)	N95	X
FACTORY INSTALLED REGULAR PRODUCTION TIRES		
P185/75R – Glass Belted, Radial Ply, Blackwall (Base on Sedans & Coupes)	QKP	
P195/75R – Glass Belted, Radial Ply, Blackwall (Base on Station Wagons)	QKR	
P205/75R – Steel Belted, Radial Ply, Blackwall (Base on El Camino)	QJZ	
P185/75R – Glass Belted, Radial Ply, White Stripe (Sedans & Coupes)	QKQ	
P195/75R – Glass Belted, Radial Ply, White Stripe (Station Wagons)	QKS	
P195/75R – Steel Belted, Radial Ply, Wide White Stripe (Sedans, Coupes & Station Wagons)	QFZ	
P205/75R – Steel Belted, Radial Ply, Wide White Stripe (Sedans, Coupes, required with F41 Suspension)	QFK	
P205/75R – Steel Belted, Radial Ply, White Stripe (El Camino & Caballero)	QJY	
P205/75R – Steel Belted, Radial Ply, White Lettered (El Camino & Caballero)	QKL	

CONTENT OF EL CAMINO SUPER SPORT OPTION RPO Z15 WITH 1AW80

MODEL AVAILABILITY

El Camino Pickup (1AW80)

POWER TRAIN AVAILABILITY

(See Power Train Section for applications)

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

BODY – Exterior

"Super Sport" Decals on Door Lower and Tailgate
Large Front Air Dam
Paint Accent Color on Lower Body (8 Colors available)
Decal Stripes to Cover Paint Break Lines
Rally Wheels, Body Color
(Optional Plastic Styled Argent or Gold Wheel Cover can also be selected)
Limited Exterior Colors, Coordinated with Accent Colors
Black Quarter Window Molding

BODY – Interior

"SS" Identification on Instrument Panel

RESTRICTED OPTIONS:

Wire Wheel Trim Covers (N95)
Body Side Moldings (BW2)
Styled Wheel Covers (PB2)

DELETED EQUIPMENT

Wheel Opening Moldings
Rocker Sill Moldings

CONTENT OF MALIBU CLASSIC LANDAU MODEL OPTION Z03

MODEL AVAILABILITY

Malibu Classic (1AW27)

POWER TRAIN AVAILABILITY

(See Power Train Section for applications)

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

BODY – Exterior

Specific Vinyl Roof Treatment on Rear Portion and Smaller Appearing Quarter Windows and Halo Roof Molding.
Body Pin Striping (Vinyl).
Specific Plastic Wheel Cover.
Wide High-Gloss Black Finished Applique on Body B-Pillars and Quarter Window Glass.
Landau Exterior Identification on Body B-Pillar Applique.

CONTENT OF MALIBU CLASSIC ESTATE WAGON MODEL OPTION BX3

MODEL AVAILABILITY

Malibu Classic (1AW35)

POWER TRAIN AVAILABILITY

(See Power Train Section for application)

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

BODY – Exterior

Woodgrain applique in center section of body side and on lower portion of tailgate.
Vinyl-clad aluminum moldings along upper and lower edges of woodgrain applique.
"Malibu Classic Estate" nameplate on body quarter panel.

EL CAMINO CONQUISTA RPO D91

CONTENT OF EL CAMINO CONQUISTA MODEL OPTION D91

MODEL AVAILABILITY

El Camino Conquista (1AW80)

POWER TRAIN AVAILABILITY

(See Power Train Section for applications)

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

BODY – Exterior

Specific 2-Tone Paint Treatment consisting of one color on roof, upper portion of pickup box and lower side of body, with second color on hood, in center section of body side, on lower portion of tailgate and inside pickup box.
Bright paint break moldings along upper side of pickup box and tailgate.
Bright molding along lower side of body and over front/rear wheel openings (replacing standard wheel opening molding).
"Conquista" decal on R.H. upper portion of tailgate.

EL CAMINO ROYAL KNIGHT—RPO Z16

CONTENT OF EL CAMINO ROYAL KNIGHT MODEL OPTION Z16

MODEL AVAILABILITY

El Camino (1AW80)

POWER TRAIN AVAILABILITY

(See Power Train Section for application)

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

Z16 Royal Knight Items:
- Ten Exterior Paint Choices (Single-tone) replacing Super Sport 2-tone treatment
- Tri-Tone Pinstriping on upper portion of body side and tailgate (3 Colors available)
- "Royal Knight" Lettered Decals on front fender in 3 color versions (replacing "Super Sport" Door Decal) and on lower portion of Tailgate (replacing "Super Sport" Tailgate Decal)
- Royal Knight Graphic Decal on Hood (3 colors available)

Z15 Super Sport Items Retained with Royal Knight Option:
- Large Front Air Dam
- Sport Mirrors (D35) – RPO D68 Dual Remote Control Sport Mirrors also available.
- Tri-Tone Pinstriping on Lower Body and over Wheel Openings
- Rally Wheels, Body Color
  RPO PB2 Wheel Covers also available.
- Black Quarter Window Molding
- "El Camino SS" Nameplate on Instrument Panel

Deleted 1AW80 Model Equipment:
- Wheel Opening Moldings
- Rocker Sill Moldings

Restricted Options (not available with Royal Knight):
- Body Side Moldings (BW2)
- Custom 2-Tone Paint (D84)
- Conquista Decor Equipment (D91)
- Wire Wheel Trim Covers (N95)

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. Seven air outlets: 2 center, 2 side, 2 lower, plus lap cooler mounted below steering column.

BASIC COMPONENTS

Modular system incorporating air inlet chamber and valve, evaporator core, blower motor plus separate control panel, condenser, receiver-dehydrator, refrigerant (freon) tank, and duct assembly.

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

CHASSIS

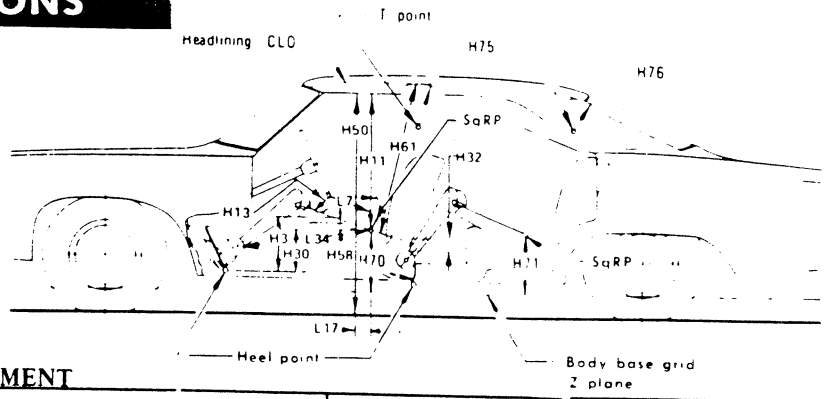
Front and Rear Springs	Heavy duty
Rear Axle Ratio - Refer to Power Trains Section	

POWER TRAINS

Fan Blade	5 blade
Fan Clutch	Thermomodulated fluid coupling
Crankshaft Pulley	Single three groove pulley
Water Pump & Fan Pulley	Single
Compressor & Crankshaft Belt	One
Generator	55 Ampere
Radiator	Heavy duty

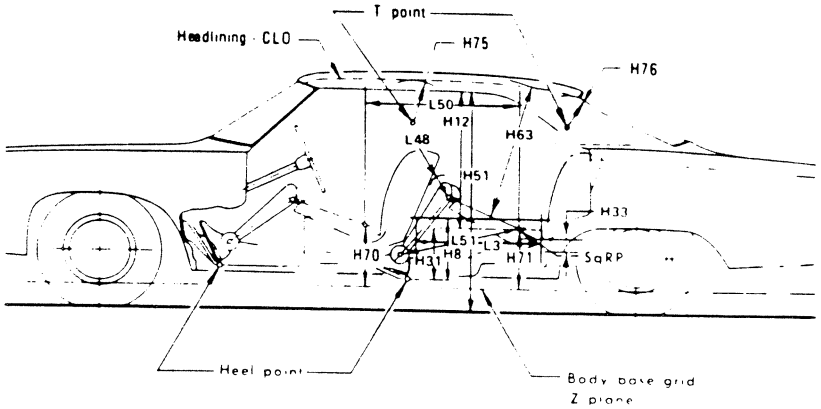
DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	4-DOOR SEDANS		2-DOOR SPORT COUPES	
		1AT19	1AW19	1AT27	1AW27
H-3	Seat cushion height	282 (11.1)			
H11	Entrance height	776 (30.6)		773 (30.4)	
H13	Steering wheel thigh clearance	104 (4.1)			
H30	SgRP to heel point (chair height)	228 (9.0)			
	Seat cushion deflection	80 (3.1)			
	Upper body opening to ground	1278 (50.3)		1275 (50.2)	
	H point rise	26 (1.0)			
	Effective headroom	983 (38.7)	977 (38.5)	962 (37.9)	956 (37.6)
H70	SgRP to body base grid	175 (6.9)			
H75	Effective 'T' point headroom	990 (39.0)	984 (38.7)	967 (38.1)	961 (37.8)
W3	Shoulder room	1454 (57.2)		1442 (56.8)	1428 (56.2)
W5	Hip room	1326 (52.2)		1313 (51.7)	
L7	Steering wheel torso clearance	340 (13.4)			
L17	H point travel – Design	172 (6.8)			
L34	Effective leg room	1086 (42.8)			



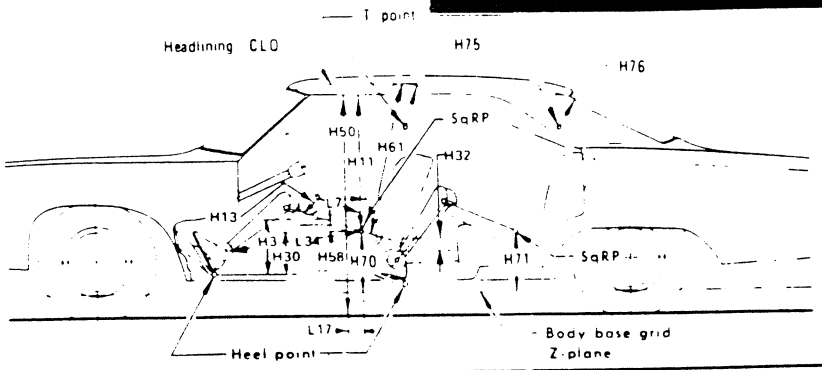
REAR COMPARTMENT

H8	Seat cushion height	350 (13.8)		340 (13.4)	
H12	Entrance height	779 (30.7)		--	
H31	SgRP to heel point (chair height)	298 (11.7)		268 (10.5)	
H33	Seat cushion deflection	94 (3.7)		119 (4.7)	
H51	Upper body opening to ground	1278 (50.3)		--	
H63	Effective headroom	957 (37.7)	951 (37.4)	961 (37.8)	955 (37.6)
H71	SgRP to body base grid	167 (6.6)		137 (5.4)	
H76	Effective 'T' point headroom	963 (37.9)	957 (37.7)	952 (37.5)	946 (37.2)
W4	Shoulder room	1450 (57.1)		1411 (55.6)	
W6	Hip room	1412 (55.6)		1384 (54.5)	
L3	Rear compartment room	705 (27.7)		678 (26.7)	
L48	Knee clearance	44 (1.7)		30 (1.2)	
L50	SgRP couple distance	827 (32.6)		791 (31.1)	
L51	Effective leg room	965 (38.0)		892 (35.1)	

LUGGAGE COMPARTMENT

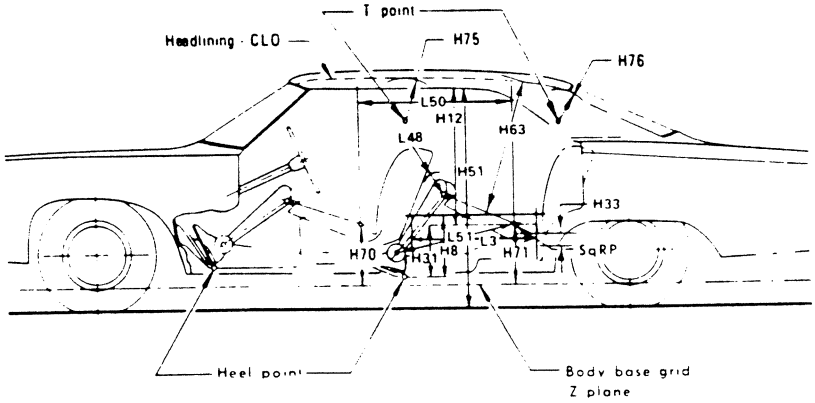
H195	Liftover height	785 (30.9)
V1	Usable luggage capacity (cu.ft.)	469L (16.6 cu.ft.)

* Primary Dimensions are millimeters unless otherwise shown.



FRONT COMPARTMENT

CODE	DESCRIPTION	STATION WAGONS		SEDAN PICKUP
		1AT35	1AW35	1AW80
H-3	Seat cushion height	282 (11.1)		
H11	Entrance height	776 (30.6)		773 (30.4)
H13	Steering wheel to centerline of thigh	104 (4.1)		
H30	SgRP to heel point	228 (9.0)		
H32	Seat cushion deflection	80 (3.1)		
H50	Upper body opening to ground	1282 (50.5)		1278 (50.3)
H58	H point rise – Design	26 (1.0)		
H61	Effective headroom	985 (38.8)	979 (38.5)	957 (37.7)
H70	SgRP to body base grid	175 (6.9)		
H75	Effective "T" point headroom	990 (39.0)	984 (38.7)	962 (37.9)
W3	Shoulder room	1454 (57.2)	1440 (56.7)	1440 (56.7)
W5	Hip room	1326 (52.2)		1313 (51.7)
L7	Steering wheel torso clearance	340 (13.4)		
L17	H point travel – Design	172 (6.8)		
L34	Effective leg room	1086 (42.8)		



REAR COMPARTMENT

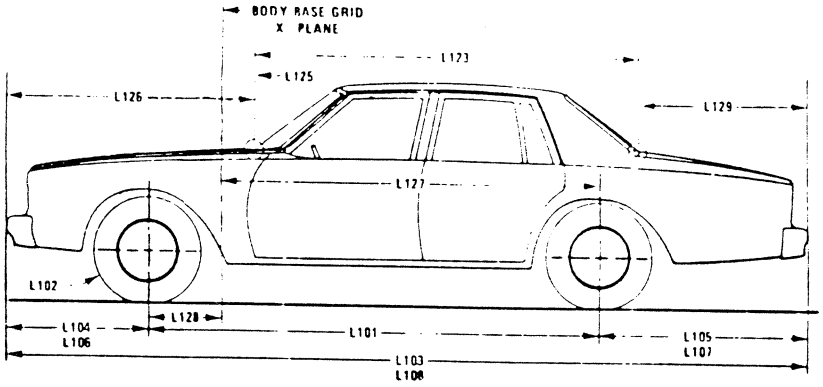
H8	Seat cushion height	350 (13.8)		--
H12	Entrance height	783 (30.8)		--
H31	SgRP to heel point	298 (11.7)		--
H33	Seat cushion deflection	108 (4.3)		--
H51	Upper body opening to ground	1290 (50.8)		--
H63	Effective headroom	985 (38.8)	979 (38.5)	--
H71	SgRP to body base grid	167 (6.6)		--
H76	Effective "T" point headroom	991 (39.9)	985 (38.8)	--
W4	Shoulder room	1450 (57.1)		--
W6	Hip room	1412 (55.6)		--
L3	Rear compartment room	687 (27.0)		--
L48	Knee clearance	12 (0.5)		--
L50	SgRP couple distance	791 (31.1)		--
L51	Effective leg room	912 (35.9)		--

LUGGAGE COMPARTMENT

H195	Liftover height	--	635 (25.0)
V1	Usable luggage capacity (cu.ft.)	--	--

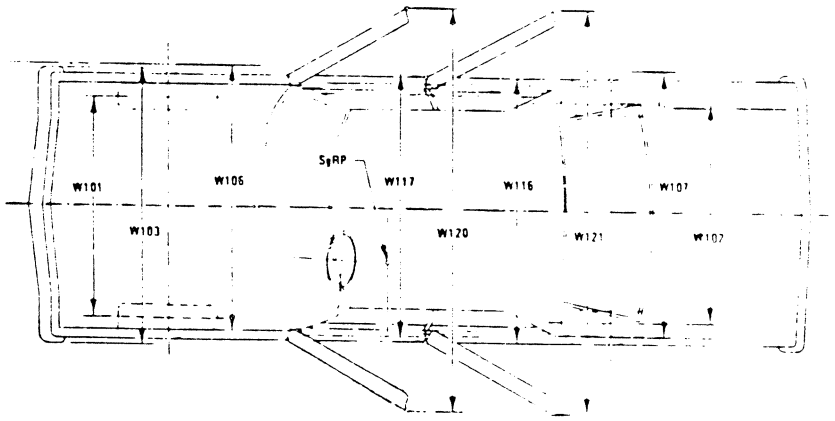
* Primary Dimensions are millimeters unless otherwise shown.

EXTERIOR DIMENSIONS



LENGTHS

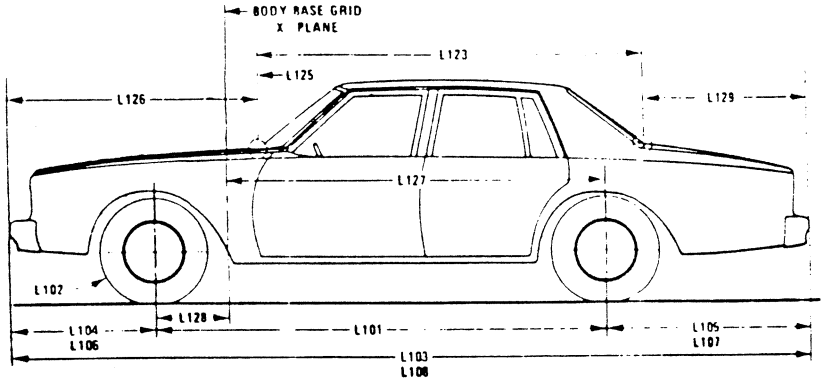
CODE	DESCRIPTION	4-DOOR SEDANS	2-DOOR SPORT COUPES
L101	Wheelbase	2745 (108.1)	
L102	Tire size (standard)	P185/75R-14	
L103	Overall length	4895 (192.7)	
L104	Overhang, front	915 (36.0)	
L105	Overhang, rear	1235 (48.6)	
--	Overall length - less bumpers	4826 (190.0)	
L123	Body upper structure length at car centerline	2603 (102.5)	2544 (100.2)
L125	Body base grid plane to windshield cowl point	158 (6.2)	
L126	Front end length at centerline	1347 (53.0)	
L127	Rear wheel centerline to body base grid line	2377 (93.6)	
L128	Front wheel centerline to body base grid line	- 368 (- 14.5)	
L129	Rear end length at centerline	755 (29.7)	813 (32.0)
L30	Front of dash to body base grid	- 52 (- 2.0)	



WIDTHS

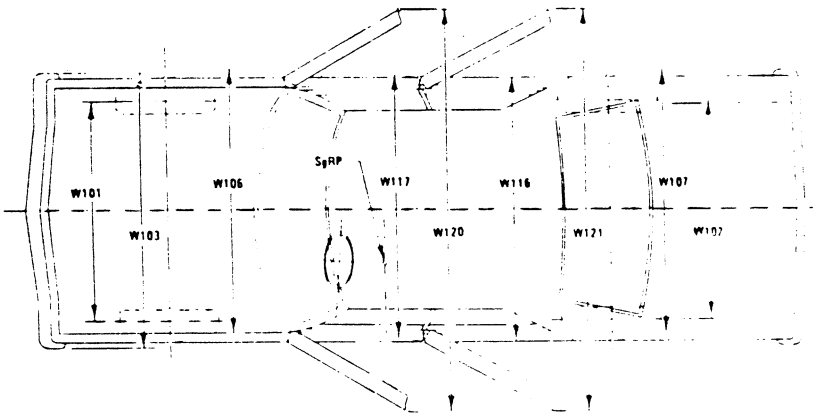
W101	Tread - front	1486 (58.5)	
W102	Tread - rear	1467 (57.8)	
W103	Maximum overall width of car	1816 (71.5)	
W106	Front fender overall width	1816 (71.5)	
W107	Rear fender overall width	1816 (71.5)	
W116	Maximum overall width of body	1816 (71.5)	
W117	Body width at SgRP - front	1774 (69.8)	1776 (69.9)
W120	Overall car width, front doors open	3376 (132.9)	4002 (157.6)
W121	Overall car width, rear doors open	3225 (127.0)	--

* Primary Dimensions are millimeters unless otherwise shown.



LENGTHS

CODE	DESCRIPTION	STATION WAGONS	SEDAN PICKUP
L101	Wheelbase	2745 (108.1)	2974 (117.1)
L102	Tire size (standard)	P195/75R-14	P205/75R-14
L103	Overall length	4911 (193.4	5121 (201.6)
L104	Overhang, front	915 (36.0)	
L105	Overhang, rear	1251 (49.3)	1232 (48.5)
--	Overall length - less bumpers	4700 (185.0)	4965 (195.5)
L123	Body upper structure length at car centerline	3261 (128.4)	1500 (59.1)
L125	Body base grid plane to windshield cowl point	158 (6.2)	
L126	Front end length at centerline	1347 (53.0)	
L127	Rear wheel centerline to body base grid line	2377 (93.6)	
L128	Front wheel centerline to body base grid line	- 368 (- 14.5)	- 388 (- 15.3)
L129	Rear end length at centerline	92 (3.6)	2118 (83.4)
L30	Front of dash to body base grid	- 52 (- 2.0)	

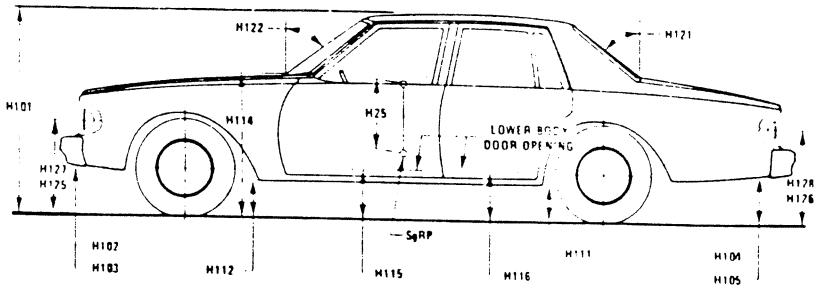


WIDTHS

W101	Tread - front	1486 (58.5)	
W102	Tread - rear	1467 (57.8)	
W103	Maximum overall width of car	1809 (71.2)	1826 (71.9)
W106	Front fender overall width	1809 (71.2)	1826 (71.9)
W107	Rear fender overall width	1809 (71.2)	1826 (71.9)
W116	Maximum overall width of body	1809 (71.2)	1826 (71.9)
W117	Body width at SgRP - front	1774 (69.8)	1776 (69.9)
W120	Overall car width, front doors open	3376 (132.9)	4002 (157.6)
W121	Overall car width, rear doors open	3225 (127.0)	--

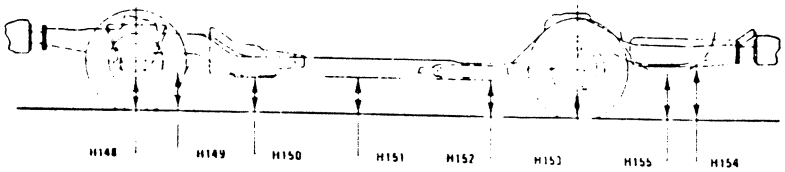
* Primary Dimensions are millimeters unless otherwise shown.

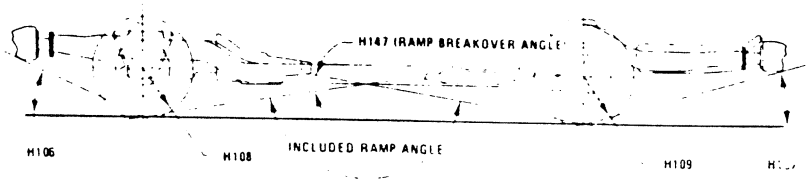
EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	4-DOOR SEDANS	2-DOOR SPORT COUPES
H101	Overall height (design)	1403 (55.2)	1380 (54.3)
H102	Front bumper to ground	348 (13.7)	
H104	Rear bumper to ground	335 (13.2)	
H111	Rocker panel to ground - rear	223 (8.8)	
H112	Rocker panel to ground - front	221 (8.7)	
H114	Hood at rear to ground	977 (38.5)	
H115	Step height - front (design)	350 (13.8)	347 (13.7)
H116	Step height - rear (design)	347 (13.7)	--
H125	Headlamp to ground	671 (26.4)	
H126	Tail lamp to ground	650 (25.6)	
H136	Body O line to ground - front	327 (12.9)	
H137	Body O line to ground - rear	332 (13.1)	





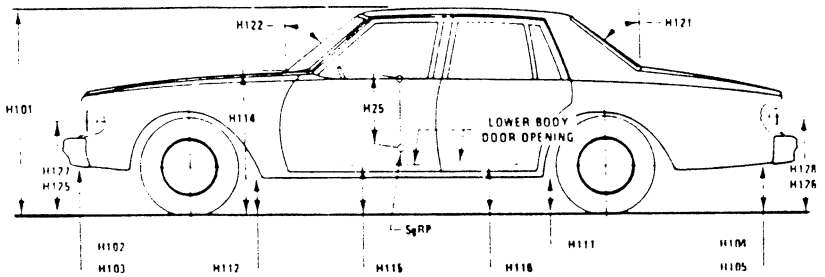
CLEARANCES

H106	Angle of approach (degrees)	23.22°
H107	Angle of departure (degrees)	16.19°
H147	Ramp breakover angle (degrees)	14.21°
H148	Front suspension to ground	160 (6.3)
H149	Oil pan to ground	173 (6.8)
H150	Flywheel housing to ground	181 (7.1)
H151	Frame to ground	174 (6.8)
H152	Exhaust system to ground	248 (9.8)
H153	Rear axle to ground	146 (5.8)
H154	Fuel tank to ground	219 (8.6)
H155	Tire well to ground	--
H156	Minimum ground clearance	136 (5.4) (a)

(a) Rear shock absorber bracket.

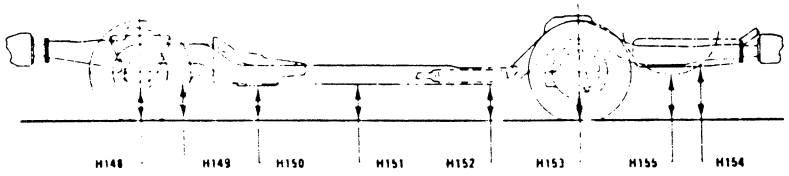
* Primary Dimensions are millimeters unless otherwise shown.

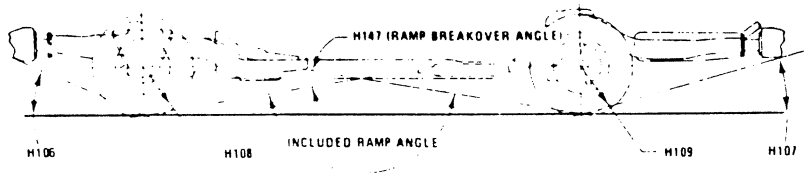
EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	STATION WAGONS	SEDAN PICKUP
H101	Overall height (design)	1410 (55.5)	1399 (55.1)
H102	Front bumper to ground	351 (13.8)	338 (13.3)
H104	Rear bumper to ground	336 (13.2)	350 (13.8)
H111	Rocker panel to ground - rear	232 (9.1)	237 (9.3)
H112	Rocker panel to ground - front	228 (9.0)	223 (8.8)
H114	Hood at rear to ground	981 (38.6)	975 (38.4)
H115	Step height - front (design)	350 (13.8)	
H116	Step height - rear (design)	347 (13.7)	--
H125	Headlamp to ground	673 (26.5)	662 (26.1)
H126	Tail lamp to ground	408 (16.1)	421 (16.6)
H136	Body O line to ground - front	331 (13.0)	330 (13.0)
H137	Body O line to ground - rear	340 (13.4)	341 (13.4)





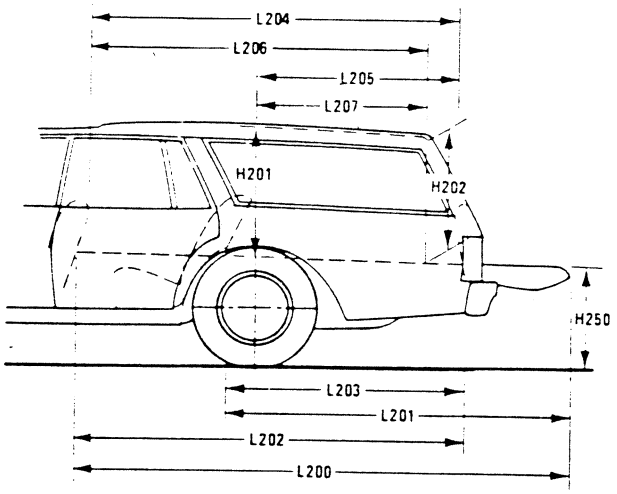
CLEARANCES

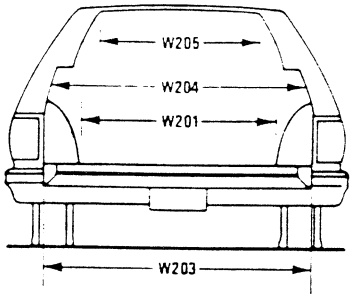
H106	Angle of approach (degrees)	23.40°	22.64°
H107	Angle of departure (degrees)	16.01°	16.88°
H147	Ramp breakover angle (degrees)	14.71°	13.65°
H148	Front suspension to ground	164 (6.4)	156 (6.1)
H149	Oil pan to ground	177 (7.0)	170 (6.7)
H150	Flywheel housing to ground	185 (7.3)	179 (7.0)
H151	Frame to ground	180 (7.1)	179 (7.0)
H152	Exhaust system to ground	257 (10.1)	266 (10.5)
H153	Rear axle to ground	186 (7.3)	161 (6.3)
H154	Fuel tank to ground	211 (8.3)	309 (12.2)
H155	Tire well to ground		--
H156	Minimum ground clearance	145 (5.7) (a)	152 (6.0) (a)

(a) Rear shock absorber bracket.

* Primary Dimensions are millimeters unless otherwise shown.

INTERIOR DIMENSIONS





STATION WAGON CARGO SPACE

CODE	DESCRIPTION	STATION WAGONS	
		1AT35	1AW35
H201	Maximum cargo height	763 (30.0)	757 (29.8)
H202	Rear opening height	706 (27.8)	
H250	Tailgate to ground height	623 (24.5)	
W200	Cargo width - front	1409 (55.5)	
W201	Cargo width - wheelhouse	1108 (43.6)	
W203	Rear opening width at floor	1372 (54.0)	
W204	Rear opening width at belt	1312 (51.6)	
W205	Rear opening width above belt	1006 (39.6)	
L200	Maximum cargo length - front seat	2639 (103.9)	
L201	Maximum cargo length - second seat	1840 (72.4)	
L202	Cargo length at floor - front seat	2064 (81.2)	
L203	Cargo length at floor - second seat	1265 (49.8)	
L204	Cargo length at belt - front seat	1852 (72.9)	
L205	Cargo length at belt - second seat	1023 (40.3)	
V2	Total cargo index volume	2049 (72.4 cu.ft.)	2033 (71.8 cu.ft.)

* Primary Dimensions are millimeters unless otherwise shown.

MODEL TYPE

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1AT19	229 CID V6 (LC3)	4-Door Sedan	760.3 (1676)	601.0 (1325)	1361.3 (3001)	752.1 (1658)	651.1 (1436)	1403.2 (3094)
1AT27	229 CID V6 (LC3)	2-Door Sport Coupe	764.7 (1686)	594.4 (1310)	1359.1 (2996)	756.5 (1668)	644.5 (1421)	1401.0 (3089)
1AT35	229 CID V6 (LC3)	4-Door Station Wgn.	737.5 (1626)	687.5 (1516)	1425.0 (3142)	729.3 (1608)	738.2 (1627)	1467.5 (3235)
1AW19	229 CID V6 (LC3)	4-Door Sedan	764.9 (1686)	610.2 (1346)	1375.1 (3032)	756.7 (1668)	660.3 (1456)	1417.0 (3124)
1AW27	229 CID V6 (LC3)	2-Door Sport Coupe	772.4 (1703)	600.8 (1324)	1373.2 (3027)	764.2 (1685)	650.9 (1435)	1415.1 (3120)
1AW35	229 CID V6 (LC3)	4-Door Station Wgn.	743.3 (1639)	693.3 (1528)	1436.6 (3167)	735.1 (1621)	744.0 (1640)	1479.1 (3261)
1AW80	229 CID V6 (LC3)	2-Door Pickup	826.5 (1822)	578.6 (1276)	1405.1 (3098)	818.3 (1804)	627.6 (1384)	1445.9 (3188)

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

CURB WEIGHT: Shipping weight plus gasoline to capacity.

For total shipping, and curb weights of vehicles equipped with the following options, add to or deduct from, the base vehicle weight (lbs.).

*Primary mass weights are in kilograms (pounds).

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT Metric (Kg) – English
A31	Power Windows	2-Door Models	3.6 (8 lb.)
		4-Door Models	5.0 (11 lb.)
AG9	Power Seat 6-Way		5.4 (12 lb.)
AU3	Electric Door Locks	2-Door Models	1.8 (4 lb.)
		4-Door Models	2.7 (6 lb.)
AU6	Power Tailgate Release	Station Wagons	0.9 (2 lb.)
B37	Front and Rear Floor Mats		3.2 (7 lb.)
B32	Front Floor Mat		2.3 (5 lb.)
CO9	Vinyl Roof Cover		3.2 (7 lb.)
C51	Rear Window Air Deflector	Station Wagons	1.4 (3 lb.)
C60	Air Conditioning	With LC3 V-6 Engine	36.3 (80 lb.)
		With LD5 V6 Engine	27.2 (60 lb.)
		With V8 Engine LG4 & L39	26.8 (59 lb.)
		With V8 Engine LG4 & L39 1AA35-80	33.1 (73 lb.)
D55	Floor Console	With 3 and 4-Speed Transmission	2.7 (6 lb.)
		With Automatic Transmission	6.3 (14 lb.)
N41	Power Steering	V6 Engine – Without Air Cond.	10.9 (24 lb.)
V55	Roof Luggage Carrier	Station Wagons	6.8 (15 lb.)
U63	Radio AM Push Button		2.3 (5 lb.)
U69	Radio AM/FM Push Button		2.7 (6 lb.)
U58	Radio AM/FM Stereo		5.9 (13 lb.)
UM1	Radio AM Push Button and Tape		6.4 (14 lb.)
UM2	Radio AM/FM Push Button and Tape		6.4 (14 lb.)
UN3	Radio AM/FM Stereo	With Cassette Player	6.4 (14 lb.)
UP5	Radio AM/FM Monaural	With Citizens Band Transceiver	3.2 (7 lb.)
UP6	Radio AM/FM Stereo	With Citizens Band Transceiver	5.9 (13 lb.)
UY8	Radio AM/FM Stereo	With Clock and Digital Display	5.9 (13 lb.)
V30	Front and Rear Bumper Guards		3.2 (7 lb.)
VE5	Front and Rear Bumper Impact Strips		2.3 (5 lb.)
LD5	3.8 Liter – V6 (231 CID)	Sedans and Coupes	- 6.4 (- 14 lb.)
		Station Wagons	- 8.6 (- 19 lb.)
		El Camino	- 4.5 (- 10 lb.)
L39	4.4 Litre – V8 (267 CID)	Sedans, Coupes and El Camino	54.9 (121 lb.)
		Station Wagons	54.4 (120 lb.)
LG4	5.0 Litre – V8 (305 CID)	Sedans and Coupes	58.5 (129 lb.)
		Station Wagons and El Camino	59.4 (131 lb.)
M20	4-Speed Transmission	Sedans, Coupes and El Camino V8 (LG4 Engine)	1.4 (3 lb.)
MV9	Automatic Transmission	Sedans and Coupes V6 (LC3 & LG4 Engine)	- 1.8 (- 4 lb.)
		Wagons and El Camino V6 (LC3 & LG4 Engine)	- 1.8 (- 4 lb.)
MV4	Automatic Transmission	Sedans, Coupes V8 (LG4 & L39 Engine)	13.1 (29 lb.)
		El Camino & Wagon V8 (LG4 Engine)	15.4 (34 lb.)
M31	Automatic Transmission	Sedans and Coupes V8 (LG4 & L39 Engine)	2.3 (5 lb.)
		Station Wagons and El Camino V8 (LG4)	2.7 (6 lb.)
M33	Automatic Transmission	Sedans and Coupes V6 (LD5 Engine)	20.9 (46 lb.)
		Station Wagons and El Camino V6 (LD5 Engine)	20.9 (46 lb.)
		Sedans, Coupes and Wagons V8 (LG4 Engine)	10.0 (22 lb.)
		El Camino V8 (LG4 Engine)	12.2 (27 lb.)
M38	Automatic Transmission	Sedans and Coupes V8 (LG4 Engine)	12.2 (27 lb.)
		Wagons V8 (L39 & LG4 Engine)	10.0 (22 lb.)
		El Camino V8 (L39 & LG4 Engine)	12.2 (27 lb.)

* Primary mass weights are in kilograms (pounds).

BODY

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 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. SHEET METAL PRIMER 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 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 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 applied 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 two tones, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.

8. FINAL BAKING. To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 325 degrees F. Reheating the lacquer permits paint film to soften, allowing surface blemishes to disappear during the thermo-reflow process.

9. 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.

10. 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.

*Plants employing the Elpo Process (see Monza for description) preclude need for these steps.

1980 MALIBU EXTERIOR COLOR, VINYL ROOF COMBINATIONS

			VINYL ROOF COLORS						
EXTERIOR COLOR	Code	Fisher W.A.	11T C/O White	19T C/O Black	21T Lt. Blue	44T Dk. Green	63T Lt. Camel	76T Dk. Claret	85T Gray
White C/O	11	3967	X	X	X	X	X	X	X
Silver Met. C/O	15	7022	X	X				X	X
Black C/O	19	848	X	X	X		X	X	X
Lt. Blue Met.	21	7102	X	X	X				
Dk. Blue Met.	29	7103	X	X	X		X		X
Dk. Green Met.	44	7105	X	X		X			
Yellow	50	7100	X	X					X
Beige	59	7084		X			X	X	
Lt. Camel Met.	63	7136	X	X				X	X
Med. Camel Met.	69	7137	X	X			X		
Claret Met.	75	7111	X	X			X	X	
Dk. Claret Met.	76	7112	X	X			X	X	
Cinnabar	77	7104	X	X					
Gray	85	7101	X	X				X	X

SPECIAL ACCENT COLORS		
Gray	16	7054
Med. Blue Met.	22	7129

CUSTOM TWO-TONE COLORS	CODE
Black/Silver	19/15
Black/Lt. Camel	19/63
Lt. Blue/Med. Blue	21/22
Lt. Camel/Beige	63/59
Lt. Camel/Med. Camel	63/69
Dk. Claret/Claret	76/75
Gray/Gray Met.	85/16

VINYL ROOF COLORS						
11T C/O White	19T C/O Black	21T Lt. Blue	44T Dk. Green	63T Lt. Camel	76T Dk. Claret	85T Gray
	X					
	X					
		X				
				X		
				X		
					X	
						X

1980 MALIBU EXTERIOR-INTERIOR COMBINATIONS

EXTERIOR COLOR	CODE	INTERIOR TRIM					
		BLACK	BLUE	GREEN	CAMEL	CLARET	OYSTER
White C/O	11	X	X	X	X	X	X
Silver Met. C/O	15	X	X			X	X
Dk. Claret Met.	76	X	X		X		X
Dk. Blue Met.	29		X		X		X
Black C/O	19	X	X	X	X	X	X
Lt. Blue Met.	21	X	X				X
Beige	59	X	X	X	X	X	
Dk. Green Met.	44			X	X		X
Gray	85	X	X		X	X	X
Yellow	50	X			X		X
Lt. Camel Met.	63	X			X		
Med. Camel Met.	69	X			X		X
Cinnabar	77	X			X		X
Claret	75	X				X	X
CUSTOM TWO-TONE							
Black / Silver	19/15	X				X	X
Black / Lt. Camel Met.	19/63	X			X		
Lt. Blue Met. / Med. Blue Met.	21/22		X				X
Lt. Camel Met. / Beige	63/59				X		
Lt. Camel Met. / Med. Camel Met.	63/69				X		
Dk. Claret / Claret	76/75				X	X	X
Gray / Gray Met.	85/16	X				X	X

1980 MALIBU AND EL CAMINO 'A' INTERIOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM									
		Black	Dk. Blue		Willow Green		Camel Tan		Claret		Oyster
		Vinyl	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	Cloth
Malibu – 1AT00											
Sport Sedan (19)	(A52) Bench	19N	26N	26C	44N		62N	62C		79C	
Sport Coupe (27)	(A52) Bench	19N	26N	26C	44N		62N	62C		79C	
Station Wagon (35)	(A52) Bench	19N	26N				62N				
Malibu – 1AT00 Station Wagon (35) w/ Malibu Classic Seats	(A52) Bench	19R	26R				62R		79R		
Malibu Classic – 1AW00	(A52) Bench	19V	26V	26D		44D	62V	62D	79V	79D	12D
Sport Sedan (19)	(AV7) 50/50	19V	26V	26D		44D	62V	62D	79V	79D	12D
Sport Coupe (27)	(A52) Bench	19V	26V	26D		44D	62V	62D	79V	79D	12D
	(AV7) 50-50	19V	26V	26D		44D	62V	62D	79V	79D	12D
	(A51) Bucket	19V	26V	26D			62V	62D	79V	79D	12D
Station Wagon (35)	(A52) Bench	19V	26V	26D			62V	62D	79V	79D	
	(AV7) 50-50	19V	26V	26D			62V	62D	79V	79D	
El Camino (80)	(A52) Bench	19V	26V	26D			62V	62D	79V	79D	
	(AV7) 50/50	19V	26V	26D			62V	62D	79V	79D	
	(A51) Bucket	19V	26V	26D			62V	62D	79V	79D	

CLOTH AND VINYL USAGE

C – Pompey, woven cloth
N – Derma, vinyl
R, V – Sierra vinyl
D – Rosiland woven cloth

1980 MALIBU (1AT - 1AW00)

BODY SIDE MOLDING AND STRIPES WITH CUSTOM TWO-TONE (D84)
NO COLOR OVERRIDES ARE ALLOWED

CUSTOM TWO-TONE EXTERIOR COLORS		BODY SIDE STRIPE COLORS (INCLUDED)	RPO BW2 BODY SIDE MOLDING (IF ORDERED)	RPO VINYL TOP COLORS (IF ORDERED)
BODY (U & L)	ACCENT (M)			
Black 19 WA 848	Silver Met. 15 WA 7022	Red WMH 4409 /Black WMH 848	Gray 85Q	Black 19T
Black 19 WA 848	Lt. Camel Met. 63 WA 7136	Gold WMH 7083 /Black WMH 848	Lt. Camel Met. 63Q	Black 19T
Lt. Blue Met. 21 WA 7102	Med. Blue Met. 22 WA 7129	Silver WMH 4575 /Blue WMH 7187	Lt. Blue Met. 21Q	Lt. Blue Met. 21T
Lt. Camel Met. 63 WA 7136	Beige 59 WA 7084	Gold WMH 7083 /Brown WMH 7231	Lt. Camel Met. 63Q	Lt. Camel Met. 63T
Lt. Camel Met. 63 WA 7136	Med. Camel Met. 69 WA 7136	Gold WMH 7083 /Brown WMH 7231	Lt. Camel Met. 63Q	Lt. Camel Met. 63T
Dk. Claret Met. 76 WA 7112	Claret Met. 75 WA 7111	Gold WMH 7083 /Black WMH 848	Black 19Q	Dk. Claret Met. 76T
Gray 85 WA 7101	Gray Met. 16 WA 7054	Red WMH 4409 /Black WMH 848	Gray 85Q	Gray 85T

RPO D85 – BODY SIDE ACCENT STRIPE

STRIPE IDENTIFICATION

COLOR		DECAL
11A	White	WMH 3967
13A	Silver	WMH 4575
19A	Black	WMH 848
27A	Blue	SMH 7187
54A	Gold	WMH 7083
68A	Brown	WMH 7231
74A	Red	WMH 4409
76A	Dk. Claret Met.	WMH 7112

RPO B84 – BODY SIDE MOLDING EQUIPMENT

MOLDING IDENTIFICATION		
11Q	White	WPV 3967
19Q	Black	WPV 848
21Q	Lt. Blue Met.	WPV 7102
63Q	Lt. Camel Met.	WPV 7136
85Q	Gray	WPV 7101

1980 MALIBU BODY SIDE MOLDING, STRIPES, VINYL ROOF AND EXTERIOR, INTERIOR COMBINATIONS

			INTERIOR TRIM COLOR					
			BLACK	OYSTER	BLUE	CAMEL	CLARET	GREEN
White	11	Stripe	Black	Red	Blue	Gold	Dk. Claret Met.	Gold
		Mldg.	White	White	White	White	White	White
		V. Top	A, C X	A X	A X	A, F X	A, G X	A X
Silver	15	Stripe	Black	Red	Blue		Dk. Claret Met.	
		Mldg.	Gray	Gray	Gray		Gray	
		V. Top	C X	N/A X	N/A X		G X	
Black	19	Stripe	Gold	Silver	Blue	Gold	Red	Gold
		Mldg.	Black	Black	Black	Black	Black	Black
		V. Top	C X	B, C X	C X	C, F X	C, G X	C X
Lt. Blue Met.	21	Stripe	Silver	Silver	Silver			
		Mldg.	Lt. Blue Met.	Lt. Blue Met.	Lt. Blue Met.			
		V. Top	C, D X	D Y	D, A X			
Dk. Blue Met.	29	Stripe	Silver	Silver	Blue	Gold		
		Mldg.	Black	Black	Black	Black		
		V. Top	C Y	B X	A, C X	F X		
Beige	59	Stripe	Brown		Brown	Brown	Dk. Claret Met.	Brown
		Mldg.	Lt. Camel Met.		Lt. Camel Met.	Lt. Camel Met.	Lt. Camel Met.	Lt. Camel Met.
		V. Top	C X		N/A X	F X	G X	N/A Y
Lt. Camel Met.	63	Stripe	Brown			Brown		
		Mldg.	Lt. Camel Met.			Lt. Camel Met.		
		V. Top	F Y			F X		
Med. Camel Met.	69	Stripe	Gold	Gold		Brown		
		Mldg.	Lt. Camel Met.	Lt. Camel Met.		Lt. Camel Met.		
		V. Top	C X	N/A Y		F, A X		
Claret Met.	75	Stripe	Gold	Silver			Gold	
		Mldg.	Dk. Claret Met.	Dk. Claret Met.			Dk. Claret Met.	
		V. Top	C Y	B X			G, A X	
Dk. Claret Met.	76	Stripe	Gold	Silver		Gold	Gold	
		Mldg.	Dk. Claret Met.	Dk. Claret Met.		Dk. Claret Met.	Dk. Claret Met.	
		V. Top	G Y	B, G X		G X	G, A X	
Yellow	50	Stripe	Black	White		Brown		
		Mldg.	Black	White		Gray		
		V. Top	C X	N/A Y		N/A X		
Cinnabar	77	Stripe	Black	White		Gold		
		Mldg.	Black	Gray		Gray		
		V. Top	C X	B X		N/A X		
Gray	85	Stripe	Black	White	Blue	Brown	Dk. Claret Met.	
		Mldg.	Gray	Gray	Gray	Gray	Gray	
		V. Top	B X	B X	B X	B X	B, G X	
Dk. Green Met.	44	Stripe	Gold	Silver		Gold		Gold
		Mldg.	Black	Black		Black		Black
		V. Top	E Y	E Y		E, F X		E, A X

X = RECOMMENDED
Y = ACCEPTABLE
N/A = NOT ACCEPTABLE

VINYL ROOF COLOR:
A = White
B = Gray
C = Black
D = Lt. Blue Met.
E = Dk. Green Met.
F = Lt. Camel Met.
G = Dk. Claret Met.

1980 EL CAMINO EXTERIOR-INTERIOR COMBINATIONS

		INTERIOR TRIM			
EXTERIOR COLOR	CODE	BLACK	BLUE	CAMEL	CLARET
White C/O	11	X	X	X	X
Silver Met. C/O	15	X	X		X
Dk. Claret Met.	76			X	X
Dk. Blue Met.	29		X	X	
Black C/O	19	X	X	X	X
Lt. Blue Met.	21		X		
Beige	59	X	X	X	X
Dk. Green Met.	44			X	
Gray	85	X	X		X
Yellow	50	X	X	X	
Lt. Camel Met.	63			X	
Med. Camel Met.	69			X	
Cinnabar	77	X		X	
Claret	75	X			X

EL CAMINO INTERIOR COLOR COMBINATIONS

		INTERIOR TRIM						
		BLACK	DK. BLUE		CAMEL TAN		CLARET	
MODEL	SEAT TYPE	Vinyl	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth
El Camino (80)	(A52) Bench	19V	26V	26D	62V	62D	79V	79D
	(AV7) 50-50	19V	26V	26D	62V	62D	79V	79D
	(A51) Bucket	19V	26V	26D	62V	62D	79V	79D

CLOTH AND VINYL USAGE

V – Sierra vinyl
D – Rosiland woven cloth

1980 EL CAMINO AND CABALLERO (1AW80)
SUPER SPORT RPO Z15

EXTERIOR-INTERIOR COMBINATIONS

EXTERIOR COLOR				INTERIOR TRIM				
UPPER & LOWER	(U&L)	ACCENT	(M)	BLACK	DK. BLUE	CAMEL TAN	CLARET	VINYL ROOF (IF ORDERED)
				COLOR SCHEME PACKAGE				
White	11	Black	19	Red	–	–	Red	Black 19T White 11T
White	11	Lt. Camel Met.	63	–	–	Gold	–	White 11T Lt. Camel Met. 63T
* Silver	15	Black	19	Red	–	–	Red	Black 19T
* Silver	15	Claret Met.	75	Red	–	–	Red	Gray 85T
* Silver	15	Cinnabar	77	Red	–	–	–	Gray 85T
Black	19	Silver	15	Red	–	–	Red	Black 19T
Black	19	Lt. Camel Met.	63	Gold	–	Gold	–	Black 19T Lt. Camel Met. 63T
Black	19	Cinnabar	77	Red	–	–	–	Black 19T
* Lt. Blue Met.	21	Dk. Blue Met.	29	–	Blue	–	–	Lt. Blue Met. 21T
Dk. Blue Met.	29	Silver	15	–	Blue	–	–	Gray 85T
Lt. Camel Met.	63	Black	19	Gold	–	Gold	–	Black 19T Lt. Camel Met. 63T
Med. Camel Met.	69	Black	19	Gold	–	Gold	–	Black 19T
Med. Camel Met.	69	Lt. Camel Met.	63	–	–	Gold	–	Lt. Camel Met. 63T
Claret Met.	75	Black	19	Red	–	–	Red	Black 19T
Claret Met.	75	Dk. Claret Met.	76	Red	–	–	Red	Dk. Claret Met. 76T
Dk. Claret Met.	76	Lt. Camel Met.	63	–	–	Gold	Gold	Lt. Camel Met. 63T Dk. Claret Met. 76T
Cinnabar	77	Silver	15	Red	–	–	–	Gray 85T
Cinnabar	77	Black	19	Red	–	–	–	Black 19T
Gray	85	Gray Met.	16	Red	–	–	Red	Gray 85T

STRIPE COLOR IDENTIFICATIONS

		UPPER		CENTER		LOWER	
Gold	91A	Lt. Gold	WHM 8123	Med. Gold	WMH 8124	Dk. Gold	WMH 8125
Blue	92A	Lt. Blue	WMH 7254	Med. Blue	WMH 7255	Dk. Blue	WMH 7256
Red	97A	Lt. Red	WMH 8119	Med. Red	WMH 4330	Dk. Red	WMH 3971

NOTES:

1. NO COLOR OVERRIDES ARE ALLOWED.
2. Package includes Rally Wheels.
3. Optional Plastic Wheel Cvrs. (14P Silver or 15P Gold) avail. with all colors except . . . Gold not avail. with these (*) combinations.
4. RPO Sport Mirrors are Upper (U) Body Color.

1980 EL CAMINO (1AW80)
ROYAL KNIGHT (RPO Z16)
EXTERIOR INTERIOR COMBINATIONS

	EXTERIOR COLOR		INTERIOR TRIM				VINYL ROOF (if ordered)	
			Black	Dk. Blue	Camel Tan	Claret		
			COLOR SCHEME PACKAGES					
	White	11	–	–	Gold	–	Lt. Camel Met. White	63T 11T
	White	11	–	Blue	–	–	White Lt. Blue Met.	11T 21T
	White	11	Red	–	–	Red	White	11T
*	Silver Met.	15	Red	–	–	Red	Gray	85T
	Black	19	Gold	–	Gold	–	Black Lt. Camel Met.	19T 63T
	Black	19	–	Blue	–	–	Black	19T
	Black	19	–	–	–	Red	Black	19T
*	Lt. Blue Met.	21	Blue	Blue	–	–	Lt. Blue Met.	21T
*	Dk. Blue Met.	29	–	Blue	–	–	Lt. Blue Met.	21T
	Lt. Camel Met.	63	–	–	Gold	–	Lt. Camel Met.	63T
	Med. Camel Met.	69	–	–	Gold	–	Lt. Camel Met.	63T
	Claret Met.	75	–	–	–	Red	Dk. Claret Met.	76T
	Dk. Claret Met.	76	–	–	Gold	–	Dk. Claret Met.	76T
	Dk. Claret Met.	76	–	–	–	Red	Dk. Claret Met.	76T
	Cinnabar	77	Red	–	Red	–	Black	19T

NOTES: 1. These are the only combinations available – NO COLOR OVERRIDES ARE ALLOWED.
2. Package includes Rally Wheels.
3. Optional Plastic Wheel Covers (14P Silver or 55P Gold) are available with all colors – Except Gold not available with these (*) exteriors.

STRIPE COLOR IDENTIFICATIONS

		Upper		Center		Lower	
Blue	93A	Dk. Blue	WMH 7256	Med. Blue	WMH 7255	Lt. Blue	WMH 7254
Gold	94A	Brown	WMH 8148	Orange	WMH 8147	Lt. Gold	WMH 4831
Red	95A	Dk. Red	WMH 3921	Med. Red	WMH 4330	Lt. Red	WMH 8119

EXTERIOR-INTERIOR COLORS

1980 EL CAMINO AND CABALLERO (1AW80)

CONQUISTA RPO D91

EXTERIOR COLORS							
UPPER AND LOWER BODY (U & L)		HOOD AND CENTER BODY (M)		CONQUISTA/LAREDO LETTERING	VINYL ROOF (IF ORDERED)	
BLACK	19	SILVER MET.	15	CHARCOAL	BLACK	19T
LT. BLUE MET.	21	WHITE	11	BLUE	WHITE	11T
DK. BLUE MET.	29	MED. BLUE MET.	22	BLUE	LT. BLUE MET.	21T
DK. BLUE MET.	29	GRAY	85	BLUE	GRAY	85T
DK. GREEN MET.	44	BEIGE	59	GOLD	DK. GREEN MET.	44T
LT. CAMEL MET.	63	DK. CLARET MET.	76	BLACK	DK. CLARET MET.	76T
MED. CAMEL MET.	69	BLACK	19	GOLD	BLACK	19T
CLARET MET.	75	DK. CLARET MET.	76	BLACK	DK. CLARET MET.	76T
DK. CLARET MET.	76	GRAY	85	CHARCOAL	GRAY	85T
CINNABAR	77	WHITE	11	BLACK	WHITE	11T
GRAY	85	GRAY MET.	16	CHARCOAL	GRAY	85T
LT. CAMEL MET.	63	BEIGE	59	BLACK	LT. CAMEL MET.	63T

NOTES: 1. NO COLOR OVERRIDES ARE ALLOWED!
2. Sport Mirrors are to be Hood and Center Body Color (M).

LETTERING COLOR INFORMATION

Charcoal Met.	WMH 4559	Red	WMH 4147
Black	WMH 848	Flame	WMH 8100
Med. Blue	WMH 7255	Dk. Blue	WMH 7256
Gold	WMH 4831	Orange	WMH 8101

1980 EL CAMINO BODY SIDE MOLDING

EXTERIOR COLOR	COLOR CODE	MOLDING RPO BW2
White C/O	11	11Q
Silver Met. C/O	15	85Q
Dk. Blue Met.	29	19Q
Dk. Claret Met.	76	76Q
Black C/O	19	19Q
Lt. Blue Met.	21	21Q
Dk. Green Met.	44	19Q
Beige	59	63Q
Gray	85	85Q
Yellow	50	19Q/11Q/85Q
Lt. Camel Met.	63	63Q
Med. Camel Met.	69	63Q
Cinnabar	77	19Q/85Q
Claret Met.	75	76Q

RPO BW2 – BODY SIDE MOLDING EQUIPMENT

MOLDING IDENTIFICATION		
11Q	White	WPV 3967
19Q	Black	WPV 848
21Q	Lt. Blue Met.	WPV 7102
63Q	Lt. Camel Met.	WPV 7136
85Q	Gray	WPV 7101
76Q	Dk. Claret Met.	WPV 7112

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. Halo construction roof. Open channel rocker panels.

DOORS AND LOCKS

Door construction . . . . . Double steel panels, hinged at front.

Door handles . . . . . Exterior, 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

Dual-mode, modular chamber system. Blower fan circulates upper air through instrument panel outlets. Lower air circulation provided at highway speeds through outlets under instrument panel. Quarter window vents included in sedans and station wagons.

SEAT CONSTRUCTION

Type

All seat cushions and backrests . . Formed polyfoam

WINDSHIELD WIPERS AND WASHERS

Type . . . . . Concealed dual 2-speed electric

Linkage . . . . . Parallel acting

Washers . . . . . Pump integral with wiper motor

HEADLAMPS

Type . . . . . Single rectangular units

SPARE TIRE AND TOOLS

Location . . . . . Sedans and Sport Coupe, vertical in cargo compartment, to rear of right wheelhouse. Station Wagon horizontal at rear of load floor; hinged compartment lid. El Camino, horizontal in special stowage compartment behind passenger seat. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored with tire, wheel-tire extractor included for El Camino.

LIFTGATE (Wagon)

Type . . . . . Top hinged with fixed back window and telescopic gas operated assist tubes, hinged lower gate with dual cable supports.

TAILGATE (El Camino)

Type . . . . . One-way swing down gate with inside latch release and grain seal.

BODY GLASS VISIBILITY AREA ⊖

	MODELS			
	19	27	35	80
Windshield	8111 (1257.2 in.^{2})	8786 (1361.8 in.^{2})	8111 (1257.2 in.^{2})	8786 (1361.8 in.^{2})
Front Door Window	5433 (842.1 in.^{2})	7625 (1181.9 in.^{2})	5433 (842.1 in.^{2})	6157 (954.3 in.^{2})
Rear Door Window	5429 (841.5 in.^{2})	–	4372.6 (677.8 in.^{2})	–
Rear Quarter Window	960.9 (148.9 in.^{2})	3842 (595.5 in.^{2})	5831 (903.8 in.^{2})	787 (122.0 in.^{2})
Back Window	6776 (1050.3 in.^{2})	6998 (1084.7 in.^{2})	6167 (955.9 in.^{2})	3314 (513.7 in.^{2})
Total Area (Sq. In.)	26710 (4140.0 in.^{2})	27251 (4223.9 in.^{2})	29914.6 (4636.8 in.^{2})	19044 (2951.8 in.^{2})

⊖ Primary dimensions cm^2, (secondary dimensions in.^{2})

POWER TRAINS

POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIO BASE	AXLE RATIO OPTION	RING GEAR mm (in)	I.W. CLASS kg (lb)
3.8 Liter V-6 (229 CID) LC3 Base – All exc. Calif.	3-Speed Manual (3.50 low)	All	2.73	–	191 (7.50)	1644 (3625)
	3-Speed Auto '200c'	Sedan & Coupe	2.41	–		
		El Camino	2.73	–		1701 (3750)
		Wagon				
3.8 Liter V-6 (231 CID) LD5 @ Avail. – Calif. only	3-Speed Auto '350'	Sedan & Coupe	2.41			1644 (3625)
		El Camino	2.73	–		1701 (3750)
		Wagon				
4.4 Liter V-8 (267 CID) L39 Avail – All exc. Calif.	3-Speed Auto 250c 3-Speed Auto 350c *	Sedan & Coupe	2.29	–		1701 (3750)
	3-Speed Auto '350'	El Camino	2.56	–		1758 (3875)
		Wagon	2.56	–		1814 (4000)
5.0 Liter V-8 (305 CID) LG4 Avail. – All exc. Calif.	3-Speed Auto '250c' (b)	Sedan & Coupe	2.29	–		1701 (3750)
	3-Speed Auto '350c'		–	2.73		
	4-Speed Manual (2.85) low)		3.08	–		
	3-Speed Auto '250c' (b)	Wagon	2.41	–		1814 (4000)
	3-Speed Auto '350c'		–	2.73		
	3-Speed Auto '250c' (b)	El Camino	2.41	–		1758 (3875)
	3-Speed Auto '350c'		–	2.73		
	4-Speed Manual (2.85 low)		3.08	–		
5.0 Liter V-8 (305 CID) LG4 @ Avail – Calif. only	3-Speed Auto '350'	Sedan & Coupe	2.29	2.73		1701 (3750)
	3-Speed Auto '350'	El Camino	2.41	2.73		1758 (3875)
		Wagon				1814 (4000)

@ – C-4 System emission control
(b) – Auto '200c' to be used as manufacturing option.
* – Manufacturing option.

Limited slip axles available optionally; same ratios available with air conditioning.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSION

ENGINE	CARBURETOR	TRANSMISSION	TOTAL GEAR REDUCTION					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
3.8 Liter V-6 Base – All Models	2-Barrel	3-Speed	9.56	5.16	2.73	–	9.88	2.73
5.0 Liter V-8 Avail. – Sedans, Coupes & El Camino	4-Barrel	4-Speed	8.78	6.22	4.16	3.08	8.78	3.08

WITH AUTOMATIC TRANSMISSION

ENGINE	MODEL APPLICATION	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
3.8 Liter V-6 Base – exc. Calif.	Sedan & Coupe	3-Speed Auto '200c'	Drive	15.52:1 – 2.41:1	2.41
			Second	15.52:1 – 3.78:1	
			Low	15.52:1 – 6.60:1	
			Reverse	11.72:1 – 4.99:1	
	Wagon & El Camino	3-Speed Auto '200c'	Drive	17.58:1 – 2.73:1	2.73
			Second	17.58:1 – 4.29:1	
			Low	17.58:1 – 7.48:1	
			Reverse	13.28:1 – 5.65:1	
3.8 Liter V-6 Avail. – Calif. only	Sedan & Coupe	3-Speed Auto '350'	Drive	12.15:1 – 2.41:1	2.41
			Second	12.15:1 – 3.66:1	
			Low	12.15:1 – 6.07:1	
			Reverse	9.30:1 – 4.65:1	
	El Camino & S. W.	3-Speed Auto '350'	Drive	13.76:1 – 2.73:1	2.73
			Second	13.76:1 – 4.15:1	
			Low	13.76:1 – 6.88:1	
			Reverse	10.54:1 – 5.27:1	
4.4 Liter V-8 Avail. – All exc. Calif.	Sedan & Coupe	3-Speed Auto '250c' & '350c'	Drive	11.54:1 – 2.29:1	2.29
			Second	11.54:1 – 3.48:1	
			Low	11.54:1 – 5.77:1	
			Reverse	8.84:1 – 4.42:1	
	Wagon & El Camino	3-Speed Auto '350'	Drive	12.90:1 – 2.56:1	2.56
			Second	12.90:1 – 3.89:1	
			Low	12.90:1 – 6.45:1	
			Reverse	9.88:1 – 4.94:1	
5.0 Liter V-8 Avail. – All exc. Calif.	Sedan & Coupe	3-Speed Auto '250c'	Drive	11.54:1 – 2.29:1	2.29
			Second	11.54:1 – 3.48:1	
			Low	11.54:1 – 5.77:1	
			Reverse	8.84:1 – 4.42:1	
	All Models	3-Speed Auto '350c'	Drive	13.76:1 – 2.73:1	2.73
			Second	13.76:1 – 4.15:1	
			Low	13.76:1 – 6.88:1	
			Reverse	10.54:1 – 5.27:1	
	Wagon & El Camino	3-Speed Auto '250c'	Drive	12.15:1 – 2.41:1	2.41
			Second	12.15:1 – 3.66:1	
			Low	12.15:1 – 6.07:1	
			Reverse	9.30:1 – 4.65:1	
5.0 Liter V-8 Avail. – Calif. only	Sedan & Coupe	3-Speed Auto '350'	Drive	11.54:1 – 2.29:1	2.29
			Second	11.54:1 – 3.48:1	
			Low	11.54:1 – 5.77:1	
			Reverse	8.84:1 – 4.42:1	
	Wagon & El Camino	3-Speed Auto '350'	Drive	12.15:1 – 2.41:1	2.41
			Second	12.15:1 – 3.66:1	
			Low	12.15:1 – 6.07:1	
			Reverse	9.30 – 4.65:1	
	All Models	3-Speed Auto '350'	Drive	13.76:1 – 2.73:1	2.73
			Second	13.76:1 – 4.15:1	
			Low	13.76:1 – 6.88:1	
			Reverse	10.54:1 – 5.27:1	

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type			90° V-6 OHV		90° V-8 OHV	
Piston Displacement		Liters	3.8		4.4	5.0
		In^3	229	231	267	305
Availability			RPO LC3	RPO LD5	RPO L39	RPO LG4
No. of Cylinders			6		8	
Bore & Stroke		mm	95 x 88.4	96.5 x 86.4	88.9 x 88.4	95 x 88.4
		in	3.736 x 3.48	3.80 x 3.40	3.50 x 3.48	3.736 x 3.48
Compression Ratio			8.6:1	8.0:1	8.3:1	8.6:1
Taxable (SAE)		kW	25.0	25.9	29.2	33.3
		HP	33.5	34.7	39.2	44.7
Firing Order			1-6-5-4-3-2		1-8-4-3-6-5-7-2	
Idling Speed		Manual	700/N	– – –		700/N
		Auto	600/D	550/D	500 D	500/D
Comp. Press. @ Cranking Speed, Engine Hot						
Power Plant Mounting			Two front and one rear			
Measure-ments	Length	mm	694.4	688.3	808.7	801.4
		in	27.3	27.1	31.8	31.6
	Height	mm	738.6	736.6	718.6	751.8
		in	29.1	29.0	28.3	29.6
	Width	mm	720.6	– –	807.5	724.7
		in	28.4	– –	31.8	28.5

Length – Fan clutch to rear of engine block.
Height – Top of air cleaner to bottom of oil pan.
Width – Exhaust manifold to air cleaner snorkel.

ADVERTISED ENGINE RATING

Engine Designation			3.8 Liter V-6		4.4 Liter V-8	5.0 Liter V-8
			229 CID	231 CID	267 CID	305 CID
Availability			RPO LC3	RPO LD5	RPO L39	RPO LG4
Carburetion			2-Barrel			4-Barrel
Net Brake HP @ Engine RPM	Federal	kW	86 @ 4000	– –	89 @ 3600	116 @ 4000
		HP	115 @ 4000	– –	120 @ 3600	155 @ 4000
	Calif.	kW	– –	82 @ 3800	– –	116 @ 4000
		HP	– –	110 @ 3800	– –	155 @ 4000
Net Torque @ Engine RPM	Federal	N·m	237 @ 2000	– –	291 @ 2000	325 @ 1600
		lb ft	175 @ 2000	– –	215 @ 2000	240 @ 1600
	Calif.	N·m	– –	258 @ 1600	– –	312 @ 2400
		lb/ft	– –	190 @ 1600	– –	230 @ 2400

3.8 LITER V-6 (RPO LC3)

Model Availability			Sedan & Coupe		Station Wagon		El Camino	
Transmission			3-Speed Manual	3-Speed Automatic	3-Speed Manual	3-Speed Automatic	3-Speed Manual	3-Speed Automatic
Rear Axle Ratio			2.73	2.41	2.73	2.73	2.73	2.73
Tire Size			P185/75R14		P195/75R14		P205/75R14	
Crankshaft Revs. per	Kilometer		1419.6	1253.2	1378.7		1351.4	
	Mile		2285.0	2012.3	2219.5		2175.8	
Crankshaft RPM @ 1 km/h & 1 mph	Low	km/h	51.5	32.8	50.0	36.0	49.0	35.3
		mph	133.4	84.4	129.5	93.2	127.0	91.5
	Second	km/h	27.8	19.7	27.0	21.7	26.5	21.3
		mph	72.0	50.9	69.9	56.2	68.6	55.2
	Third	km/h	14.7	13.0	14.3		14.0	
		mph	38.1	33.5	37.0		36.3	
	Reverse	km/h	53.2	25.2	51.8	27.7	50.7	27.2
		mph	137.9	65.0	133.9	71.8	131.4	70.4
Piston Travel	Millimeter/Kilometer		823.4	726.9	799.7		783.9	
	Feet/Mile		1325.3	1167.1	1287.3		1262.0	

3.8 LITER V-6 (RPO LD5)

Model Availability			Sedan & Coupe	Station Wagon	El Camino
Transmission			3-Speed Automatic		
Rear Axle Ratio			2.41	2.73	2.73
Tire Size			P185/75R14	P195/75R14	P205/75R14
Crankshaft Revs. per	Kilometer		1253.2	1378.7	1351.4
	Mile		2012.4	2219.5	2175.8
Crankshaft RPM @ 1 km/h & 1 mph	Low	km/h	32.8	36.0	35.3
		mph	84.4	93.2	91.5
	Second	km/h	19.8	21.7	21.3
		mph	50.9	56.2	55.2
	Third	km/h	13.0	14.3	14.0
		mph	33.5	37.0	36.3
	Reverse	km/h	25.1	27.7	27.2
		mph	64.6	71.8	70.4
Piston Travel	Millimeter/Kilometer		710.5	781.6	766.1
	Feet/Mile		1140.4	1257.7	1232.9

4.4 LITER V-8 (RPO L39)

Model Availability			Sedan & Coupe	Station Wagon	El Camino
Transmission			3-Speed Automatic		
Rear Axle Ratio			2.29	2.56	2.56
Tire Size			P185/75R14	P195/75R14	P205/75R14
Crankshaft Revs. per	Kilometer		1190.8	1292.8	1267.2
	Mile		1916.7	2081.3	2040.3
Crankshaft RPM @ 1 km/h & 1 mph	Low	km/h	31.0	33.8	33.0
		mph	80.4	87.4	85.7
	Second	km/h	18.7	20.4	19.9
		mph	48.5	52.7	51.7
	Third	km/h	12.3	13.4	13.1
		mph	31.9	34.7	34.0
	Reverse	km/h	23.7	25.9	25.3
		mph	61.6	67.0	65.6
Piston Travel	Millimeter/Kilometer		690.7	749.9	735.0
	Feet/Mile		1111.7	1207.1	1183.4

ENGINE SPEED AND PISTON TRAVEL

5.0 LITER V-8 (RPO LG4)

Model Availability			Sedans & Coupes			
Transmission			4-Speed Manual	3-Speed Automatic		
				'250c'	'350c'	
Rear Axle Ratio			3.08	2.29	2.29	2.73
Tire Size			P185/75R14			
Crankshaft Revs. per	Kilometer		1601.6	1190.8	1190.8	1419.6
	Mile		2578.0	1916.7	1916.7	2279.5
Crankshaft Revs @ 1 km/hour & 1 mph	Low	km/h	41.9	31.0	31.0	37.0
		mph	108.6	80.4	80.4	95.8
	Second	km/h	29.7	18.7	18.7	22.3
		mph	77.0	48.5	48.5	57.8
	Third	km/h	19.8	12.3	12.3	14.7
		mph	51.4	31.9	31.9	38.0
	Fourth	km/h	14.7	--	--	--
		mph	38.1	--	--	--
	Reverse	km/h	41.9	23.7	23.9	28.5
		mph	108.6	61.6	61.9	73.7
Piston Travel	Millimeter/Kilometer		929.0	690.7	690.7	823.4
	Feet/Mile		1495.2	1111.7	1111.7	1325.3

Model Availability			Station Wagon		El Camino		
Transmission			3-Speed Automatic		4-Speed Manual	3-Speed Automatic	
			250c	350c		250c	350c
Rear Axle Ratio			2.41	2.73	3.08	2.41	2.73
Tire Size			P195/75R14		P205/75R14		
Crankshaft Revs. per	Kilometer		1217.0	1378.7	1524.6	1192.9	1351.4
	Mile		1959.3	2219.5	2454.6	1920.8	2175.8
Crankshaft RPM @ 1 km/h & 1 mph	Low	km/h	31.8	36.0	45.0	31.2	35.3
		mph	82.1	93.2	116.6	80.6	91.5
	Second	km/h	19.2	21.7	31.9	18.8	21.3
		mph	49.5	56.2	82.6	48.6	55.2
	Third	km/h	12.6	14.3	21.3	12.4	14.0
		mph	32.6	37.0	55.2	32.0	36.3
	Fourth	km/h	–	–	15.8	–	–
		mph	–	–	40.9	–	–
	Reverse	km/h	24.3	27.7	45.0	23.9	27.2
		mph	62.9	71.8	116.6	61.8	70.4
Piston Travel	Millimeter/Kilometer		705.9	781.6	884.3	691.9	766.1
	Feet/Mile		1136.4	1257.7	1423.8	1114.1	1232.9

ENGINE	3.8 Liter V-6 (229 CID) 86 kW 115 HP	3.8 Liter V-6 (231 CID) 82 kW 110 HP	4.4 Liter V-8 (267 CID) 89 kW 120 HP	5.0 Liter V-8 (305 CID) 116 kW 155 HP
MODEL	1AT27	1AW19	1AW35	1AW80

3-SPEED MANUAL TRANSMISSION

Performance	Mass-Kilograms		1673
	Weight-Pounds		3688
Kilograms/Net Kilowatt		Federal	19.45
Pounds/Net Horsepower		Federal	32.07
Kilograms/Liter Displacement			440.2
Pounds/Cu. In. Displacement			16.10
Net kW/Liter Displacement		Federal	22.63
Net HP/Cu. In. Displacement		Federal	0.502
Power Displacement	Liter/Kilometer		95.3
	Cu. Ft./Ton Mile		151.4
Displacement Factor	Liter/Tonne Kilometer		51.7
	Cu. Ft./Ton Mile		82.1

4-SPEED MANUAL TRANSMISSION

Performance	Mass-Kilograms		1587
	Weight-Pounds		3499
Kilograms/Net Kilowatt		Federal	13.68
Pounds/Net Horsepower		Federal	22.57
Kilograms/Liter Displacement			317.4
Pounds/Cu. In. Displacement			11.47
Net kW/Liter Displacement		Federal	23.20
Net HP/Cu. In. Displacement		Federal	0.508
Power Displacement	Liter/Kilometer		134.7
	Cu. Ft./Ton Mile		216.6
Displacement Factor	Liter/Tonne Kilometer		77.0
	Cu. Ft./Ton Mile		123.8

3-SPEED AUTOMATIC TRANSMISSION

Performance	Mass-Kilograms		1673	1694	1759	1648
	Weight-Pounds		3688	3741	3878	3633
Kilograms/Net Kilowatt		Federal	19.45	--	19.76	14.21
		California	--	20.66	--	14.21
Pounds/Net Horsepower		Federal	32.07	--	32.32	23.44
		California	--	34.01	--	23.44
Kilograms/Liter Displacement			440.3	445.8	399.8	329.6
Pounds/Cu. In. Displacment			16.10	16.34	14.52	11.91
Net kW/Liter Displacement		Federal	22.63	--	20.23	23.20
		California	--	21.58	--	23.20
Net HP/Cu. In. Displacement		Federal	0.502	--	0.449	0.508
		California	--	0.476	--	0.508
Power Displacement	Liter/Kilometer		84.1	84.1	100.5	105.4
	Cu. Ft./Ton Mile		133.3	133.3	160.8	169.5
Displacement Factor	Liter/Tonne Kilometer		45.6	45.0	51.8	58.0
	Cu. Ft./Ton Mile		72.3	71.3	82.9	93.3

GLOSSARY
(English equivalent is bracketed)

Performance Weight (Mass)	Curb Weight (Mass) plus average weight of four passengers – 272.2 kg (600 lbs.)
Power Displacement	$\frac{\text{Crankshaft Revs/km (Revs/Mi) x Piston Displacement}}{\text{2 x 28.3 Cu. Liters (2 x 1728 cu. in.)}}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Weight (tons) Mass (tonne)}}$

PRINCIPAL COMPONENTS

CYLINDER BLOCK
- Material . . . . . Cast alloy iron
- Bore Diameter – mm (in.)
  - 3.8 Liter (229) V-6 94.882-94.958 (3.7355-3.7385)
  - 3.8 Liter (231) V-6 . . . . . 96.52 (3.800)
  - 4.4 Liter V-8 . . . . 88.887-88.964 (3.4995-3.5025)
  - 5.0 Liter V-8 . . . . 94.882-94.958 (3.7355-3.7385)
- Number of Bulkheads
  - 3.8 Liter V-6 4
  - 4.4 5.0 Liter V-8 5
- Bore Spacing – ℄ to ℄ – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 111.8 (4.40)
  - 3.8 Liter (231) V-6 . . . . . 107.7 (4.24)
  - 4.4, 5.0 Liter V-8 . . . . . 111.8 (4.40)
- Bearing Caps (number, material & attachment)
  - 3.8 Liter V-6 . . . . . 4, cast iron, 2-bolt
  - 4.4, 5.0 Liter V-8 . . . . . 5, cast iron,2-bolt
- Water Jacket . . . . . Full length around each cylinder

CYLINDER HEAD
- Material . . . . . Cast alloy iron
- Bolt No. & Size
  - 3.8 Liter V-6 . . . . . 16.1 mm (.4375 in.) dia., 14 threads/25 mm (1.0 in.)
  - 4.4, 5.0 Liter V-8 . . . . 34: 11 mm (.4375 in.) dia., 14 threads/25 mm (1.0 in.)

INLET MANIFOLD
- Material
  - 3.8 Liter (229) V-6 . . . . . Cast aluminum
  - 3.8 Liter (231) V-6 . . . . . Cast iron
  - 4.4, 5.0 Liter V-8 . . . . . Cast aluminum

COMBUSTION CHAMBER VOLUME
- (Total chamber volume of assembled engine with piston at top center) cm^3 ($in.^3$)
- 3.8 Liter (229) V-6 . . . . . 82.15 (5.013)
- 3.8 Liter (231) V-6 . . . . . .
- 4.4 Liter V-8 . . . . . 75.05 (4.58)
- 5.0 Liter V-8 . . . . . 82.15 (5.013)

EXHAUST MANIFOLD
- Material . . . . . Cast nodular iron
- Type
  - 3.8 Liter V-6 . . . . . Dual 3-port, rear takedown
  - 4.4, 5.0 Liter V-8 . . . . Dual, 4-port, rear takedown
- Outlet Diameter – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . Left – 46.7 (1.84) Right – 47.7 (1.88)
  - 3.8 Liter (231) V-6 . . . . . 44.5 (1.75)
  - 4.4, 5.0 Liter V-8 . . . . . 50.8 (2.0)

CRANKSHAFT
- Material . . . . . Cast nodular iron
- End Play – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 0.051-0.152 (.002-.006)
  - 3.8 Liter (231) V-6 . . . . . 0.08-0.23 (.003-.009)
  - 4.4, 5.7 Liter V-8 . . . . . 0.051-0.178 (.002-.007)
- Counterweights
  - 3.8 Liter V-6 6
  - 4.4, 5.0 Liter V-8 6
- Crank Arm Length – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 44.2 (1.74)
  - 3.8 Liter (231) V-6 . . . . . 49.8 (1.96)
  - 4.4, 5.0 Liter V-8 . . . . . 44.2 (1.74)
- Torsional Damper . . . . . Rubber mounted inertia
- Timing Gear
  - 3.8 Liter (229) V-6 . . . . Steel: sprocket and chain
  - 3.8 Liter (231) V-6 Sintered iron: sprocket and chain
  - 4.4, 5.0 Liter V-8 Sintered iron: sprocket and chain
- Pulley P.D. – mm (in.) 168.7 (6.64)

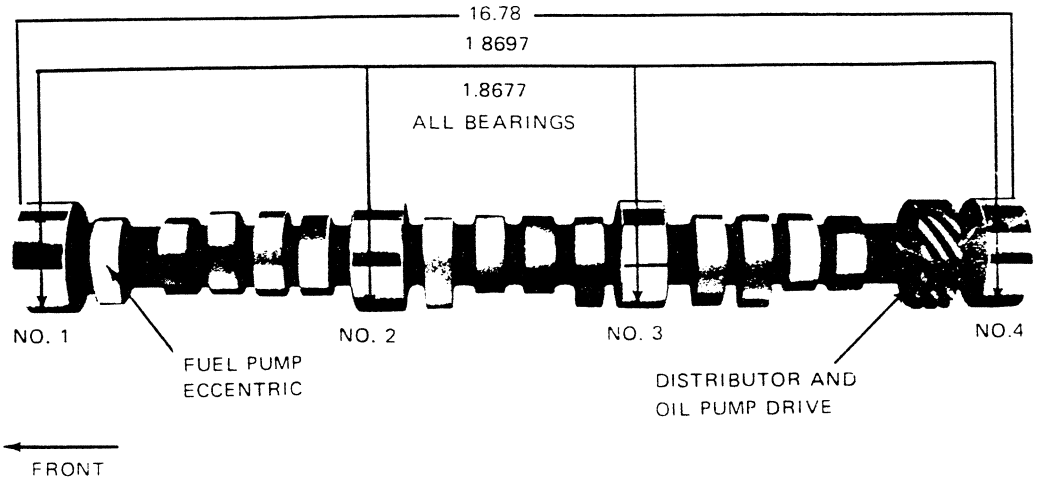
MAIN BEARINGS
- Type . . . . . Precision removable
- Material
  - 3.8 Liter (229) V-6 . . . . . No. 1 – G66 Conecc; No. 2, 3, 4 – M400
  - 3.8 Liter (231) V-6 . . No. 1 upper – M400 Conecc, No. 1 lower – M100 Conecc, No. 2, 3 – M400, No. 4 – M100
  - 4.4, 5.0 Liter V-8 . . No. 1 – G66 Conecc; No. 2, 3, 4 – M400; No. 5 upper – M100; No. 5 lower – M400 – Auto. trans; M100 – man. trans.
- Thrust Against Bearing Number
  - 3.8 Liter (229) V-6 4
  - 3.8 Liter (231) V-6 2
  - 4.4, 5.0 Liter V-8 5
- Clearance – mm (in.)
  - 3.8 Liter (229) V-6
    - No. 1, 2, 3 . . . . . 0.051-0.089 (.0020-.0035)
    - No. 4 . . . . . 0.013-0.038 (.0005-.0015)
  - 3.8 Liter (231) V-6
    - No. 1-4 . . . . . 0.010-0.040 (.0004-.0017)
  - 4.4 Liter V-8 . . . . . 0.051-0.089 (.0020-.0035)
  - 5.0 Liter V-8
    - No. 1 . . . . . 0.020-0.051 (.0008-.0020)
    - No. 2-4 . . . . . 0.028-0.058 (.0011-.0023)
    - No. 5 . . . . . 0.043-0.081 (.0017-.0032)

DIMENSIONS

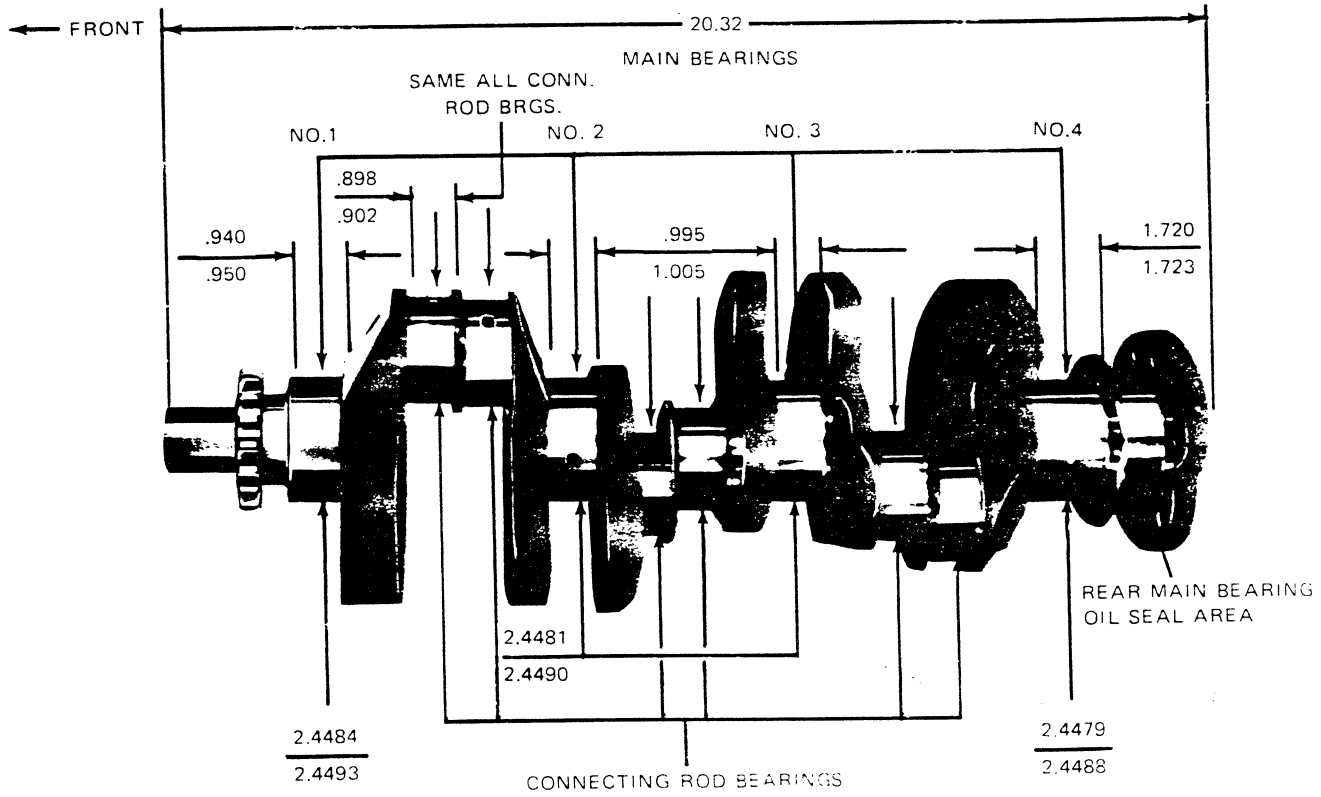
	Theoretical Inner Dia.		Effective Length		Projected Area	
	mm	in.	mm	in.	cm^2	$in.^2$
3.8 Liter (229) V-6						
No. 1	62.202	2.4489	20.37	.802	12.668	1.964
No. 2-3	62.194	2.4486	20.37	.802	12.668	1.964
No. 4	62.189	2.4484	38.19	1.533	24.207	3.753
3.8 Liter (231) V-6						
No. 1, 3, 4	63.487	2.4495	21.95	.864	13.932	2.160
No. 2	63.487	2.4495	26.85	1.057	17.041	2.642
4.4, 5.0 Liter V-8						
No. 1	62.202	2.4489	20.37	.802	12.668	1.964
No. 2-4	62.194	2.4486	20.37	.802	12.668	1.964
No. 5	62.189	2.4484	38.194	1.533	24.207	3.753

3.8 LITER V-6 ENGINE

CAMSHAFT AND BEARINGS



CRANKSHAFT AND BEARINGS



PRINCIPAL COMPONENTS

CAMSHAFT
- Material . . . . . Cast alloy iron
- Drive
  - 3.8 Liter (229) V-6 . . . Sprocket & chain, cast iron
  - 3.8 Liter (231) V-6 . . . . . Sprocket & chain, aluminum-nylon
  - 4.4, 5.0 Liter V-8 . . . . . Sprocket & chain, aluminum-nylon

Lobe Lift – mm (in.)	Exhaust	Intake
3.8 Liter (229) V-6	6.050 (.2382)	6.600 (.2600)
3.8 Liter (231) V-6	6.368 (.2507)	6.104 (.2403)
4.4 Liter V-8	6.309 (.2484)	6.942 (.2733)
5.0 Liter V-8	6.309 (.2484)	6.774 (.2677)

Camshaft Bearing Material . . . . . Steel backed babbitt
- Timing Chain
  - Number of links
    - 3.8 Liter (229) V-6 46
    - 3.8 Liter (231) V-6 54
    - 4.4, 5.0 Liter V-8 46
  - Width – mm (in.)
    - 3.8 Liter (229) V-6 . . . . . 15.87 (.625)
    - 3.8 Liter (231) V-6 . . . . . 22.23 (.875)
    - 4.4, 5.0 Liter V-8 . . . . . 15.87 (.625)
  - Pitch – mm (in.)
    - 3.8 Liter (229) V-6 . . . . . 12.7 (.500)
    - 3.8 Liter (231) V-6 . . . . . 9.53 (.375)
    - 4.4, 5.0 Liter V-8 . . . . . 12.7 (.500)

VALVE TRAIN
- Type . . . . . Individually mounted, overhead rocker arms, push rod actuated
- Lifters . . . . . Hydraulic
- Push Rods
  - Type . . . . . Hollow steel
  - Ends . . . . . Hardened
  - Diameter – mm (in.) . . . . . 7.9 (.3125)
  - Length – mm (in.)
    - 3.8 Liter (229) V-6 . . . . . 196.2 (7.724)
    - 3.8 Liter (231) V-6 . . . . . 220.9 (8.697)
    - 4.4, 5.0 Liter V-8 . . . . . 196.2 (7.724)
- Rocker Arms
  - Material . . . . . Stamped steel
  - Ratio
    - 3.8 Liter (229) V-6 . . . . . 1.50:1
    - 3.8 Liter (231) V-6 . . . . . 1.55:1
    - 4.4, 5.0 Liter V-8 . . . . . 1.50:1
- Rotators
  - 3.8 Liter (229) V-6 . . . . . Exhaust
  - 3.8 Liter (231) V-6 . . . . . None
  - 4.4, 5.0 Liter V-8 . . . . . Exhaust

VALVE SPRINGS
- Diameter – I.D. – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 22.05-22.45 (.868-.884)
  - 3.8 Liter (231) V-6 . . . . . 22.15-22.56 (.872-.888)
  - 4.4, 5.0 Liter V8 . . . . . 22.05-22.45 (.868-884)
- Installed Length – N/mm (lb. in.)
  - 3.8 Liter (229) V-6
    - Valve closed
      - Inlet & exhaust . . . . . 356 @ 43 (80 @ 1.70)
    - Valve opened
      - Inlet . . . . . 800 @ 32 (180 @ 1.25)
      - Exhaust . . . . . 845 @ 32 (190 @ 1.25)
  - 3.8 Liter (231) V-6
    - Valve closed . . . . . 285 @ 44 (64 @ 1.73)
    - Valve opened . . . . . 810 @ 34 (182 @ 1.34
  - 4.4, 5.0 Liter V-8
    - Valve closed . . . . . 356 @ 32 (80 @ 1.25)
    - Valve opened
      - Inlet . . . . . 778 @ 43 (175 @ 1.70)
      - Exhaust . . . . . 819 @ 32 (184 @ 1.25)
- Free Length – mm (in.) 51.6 (2.03)
- Valve Spring Damper . . . . . Flat steel, 4 coils

INLET VALVES

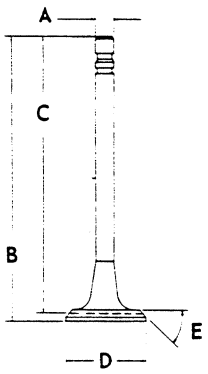
Material
- 3.8 Liter (229) V-6 . . . . . SAE 1541 or 1547 steel
- 3.8 Liter (231) V-6 . . . . . 1541 steel
- 4.4 Liter V-8 . . . . . SAE 1541-H steel
- 5.0 Liter V-8 . . . . . 21-2N steel

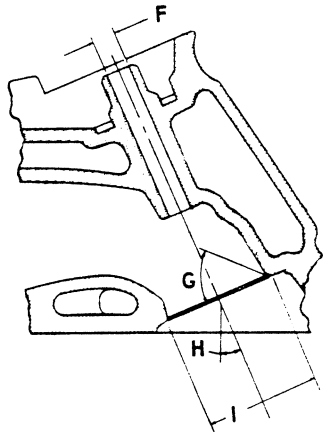
Coating . . . . . None
Stems . . . . . Chrome flash

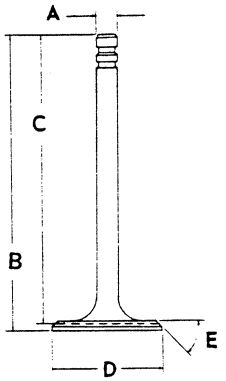
EXHAUST VALVES

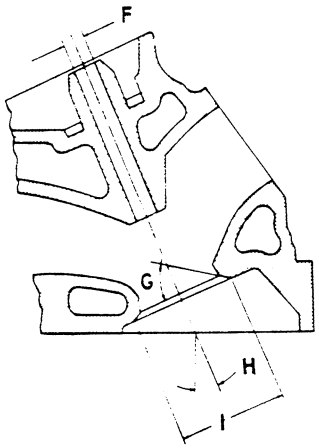
Material . . . . . 21-2N steel
Coating
- 3.8 Liter (229) V-6 . . . . . Plain, head and seat
- 3.8 Liter (231) V-6 . . . . . Nickel plated face
- 4.4, 5.0 Liter V-8 . . . . . Aluminized head

Stems . . . . . Chrome flash









A – Stem Diameter – mm (in.)
- 3.8 Liter (229) V-6 . . . 8.661-8.679 (.3410-.3417)
- 3.8 Liter (231) V-6 . . . 8.641-8.666 (.3402-.3410)
- 4.4, 5.0 Liter V-8 . . . . 8.661-8.679 (.3410-.3417)

B – Overall Length – mm (in.)
- 3.8 Liter (229) V-6 . . 124.52-125.02 (4.902-4.922)
- 3.8 Liter (231) V-6 . . 119.33-120.09 (4.698-4.728)
- 4.4, 5.0 Liter V-8 . . . 124.52-12.502 (4.902-4.922)

C – Gage Length – mm (in.)
- 3.8 Liter (229) V-6 . . . . . 121.539-121.793 (4.7854-4.7954)
- 3.8 Liter (231) V-6 . . 116.21-116.59 (4.575-4.590)
- 4.4 5.0 Liter V-8 . . . . . 121.539-121.793 (4.7854-4.7954)

D – Overall Head Diameter – mm (in.)
- 3.8 Liter (229) V-6 . . . 46.61-46.86 (1.835-1.845)
- 3.8 Liter (231) V-6 . . . . . 43.43 (1.71)
- 4.4 Liter V-8 . . . . . 43.7 (1.72)
- 5.0 Liter V-8 . . . . . 46.61-46.86 (1.835-1.845)

E – Angle of Face (°) 45

F – Guide Diameter – mm (in.) . . . . . 8.70-8.73 (.3427-.3437)

G – Angle of Seat (°)
- 3.8 Liter (229) V-6 46
- 3.8 Liter (231) V-6 45
- 4.4, 5.0 Liter V-8 46

H – Valve Angle (°)
- 3.8 Liter (229) V-6 23
- 3.8 Liter (231) V-6 . . . . . .
- 4.4, 5.0 Liter V-8 23

I – Valve Seat (Cutter Dia. – mm (in.)
- 3.8 Liter (229) V-6 . . . . . 46.7 (1.84)
- 3.8 Liter (231) V-6 . . . . . .
- 4.4 Liter V-8 . . . . . 46.7 (1.84)
- 5.0 Liter V-8 . . . . . 46.30-46.46 (1.823-1.829)

A – Stem Diameter – mm (in.)
- 3.8 Liter (229) V-6 . . . 8.661-8.679 (.3410-.3417)
- 3.8 Liter (231) V-6 . . . 8.649-8.667 (.3405-.3412)
- 4.4, 5.0 Liter V-8 . . . . 8.661-8.679 (.3410-.3417)

B – Overall Length – mm (in.)
- 3.8 Liter (229) V-6 . . 124.71-125.22 (4.910-4.930)
- 3.8 Liter (231) V-6 . . 119.46-120.22 (4.703-4.733)
- 4.4, 5.0 Liter V-8 . . . 124.71-125.22 (4.910-4.930)

C – Gage Lenth – mm (in.)
- 3.8 Liter (229) V-6 . . 121.44-121.69 (4.781-4.791)
- 3.8 Liter (231) V-6 . . 116.21-116.59 (4.575-4.590)
- 4.4, 5.0 Liter V-8 . . . 121.44-121.69 (4.781-4.791)

D – Overal Head Dia. – mm (in.)
- 3.8 Liter (229) V-6 . . . 37.97-38.23 (1.495-1.505)
- 3.8 Liter (231) V-6 . . . . . 38.1 (1.50)
- 5.0 Liter V-8 . . . . . 37.97-38.23 (1.495-1.505) *

E – Angle of Face (°) 45

F – Guide Diameter – mm (in.) . . . . . 8.70-8.73 (.3427-.3437)

G – Angle of Seat (°)
- 3.8 Liter (229) V-6 46
- 3.8 Liter (231) V-6 45
- 4.4, 5.0 Liter V-8 46

H – Valve Angle (°)
- 3.8 Liter (229) V-6 23
- 3.8 Liter (231) V-6 . . . . . .
- 4.4, 5.0 Liter V-8 23

I – Valve Seat (Cutter) Dia. – mm (in.)
- 3.8 Liter (229) V-6 . . . . . 42.2 (1.66)
- 3.8 Liter (231) V-6 . . . . . .
- 4.4 Liter V-8 . . . . . 42.2 (1.66)
- 5.0 Liter V-8 . . . . . 33.6 (1.324)

* 4.4 Liter V-8, 35.1 mm (1.38 in)

PRINCIPAL COMPONENTS

VALVE LIFT – mm (in.)
- 3.8 Liter (229) V-6
  - Inlet . . . . . 9.5 (.373)
  - Exhaust . . . . . 10.4 (.410)
- 3.8 Liter (231) V-6
  - Inlet . . . . . 9.07 (.357)
  - Exhaust . . . . . 9.30 (.366)
- 4.4, 5.0 Liter V-8
  - Inlet . . . . . 9.07 (.357)
  - Exhaust . . . . . 9.91 (.390)

VALVE TIMING (Crankshaft Degrees – Excluding Ramps)
- 3.8 Liter (229) V-6
  - Inlet valve
    - Opens – °BTC 42
    - Closes – °ABC 78
    - Duration 300
  - Exhaust valve
    - Opens – °BBC 78
    - Closes – °ATC 52
    - Duration 310
- 3.8 Liter (231) V-6
  - Inlet valve
    - Opens – °BTC 16
    - Closes – °ABC 63
    - Duration 259
  - Exhaust valve
    - Opens – °BBC 68
    - Closes – °ATC 29
    - Duration 277
- 4.4, 5.0 Liter V-8
  - Inlet valve
    - Opens – °BTC 28
    - Closes – °ABC 64
    - Duration 272
  - Exhaust valve
    - Opens – °BBC 78
    - Closes – °ATC 30
    - Duration 288

PISTONS
- Material . . . . . Cast aluminum alloy
- Head Type
  - 3.8 Liter (229) V-6 . . . . . Sump
  - 3.8 Liter (231) V-6 . . . . . Dished
  - 4.4, 5.0 Liter V-8 . . . . . Sump
- Skirt Type
  - 3.8 Liter (229) V-6 . . . . . Closed
  - 3.8 Liter (231) V-6 . . . . . Full skirt with transverse slot
  - 4.4, 5.0 Liter V-8 . . . . . Closed
- Top Land Clearance – mm (in.)
  - 3.8 Liter (229) V-6 . . . 0.622-0.851 (.0245-.0335)
  - 3.8 Liter (231) V-6 . . . . . 1.17-1.42 (.046-.056)
  - 4.4, 5.0 Liter V-8 . . . . 0.622-0.851 (.0245-.0335)
- Skirt Clearance – mm (in.)
  - 3.8 Liter (229) V-6 . . . 0.017-0.107 (.0007-.0042)
  - 3.8 Liter (231) V-6 . . . 0.020-0.050 (.0008-.0020)
  - 4.4, 5.0 Liter V-8 . . . . 0.018-0.107 (.0007-.0042)
- Compression Ring Groove Depth – mm (in.)
  - 3.8 Liter (229) V-6 . . . 4.699-4.966 (.1850-.1955)
  - 3.8 Liter (231) V-6 . . . . . .
  - 4.4 Liter V-8 . . . . . 4.796-4.961 (.1888-.1953)
  - 5.0 Liter V-8 . . . . . 5.088-5.265 (.2003-.2073)
- Oil Ring Groove Depth – mm (in.)
  - 3.8 Liter (229) V-6 . . . 4.953-5.220 (.1950-.2055)
  - 3.8 Liter (231) V-6 . . . . . .
  - 4.4 Liter V-8 . . . . . 5.329-5.494 (.2098-.2163)
  - 5.0 Liter V-8 . . . . . 5.342-5.570 (.2103-.2193)
- Pin Bore Offset – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 1.52 (.060)
  - 3.8 Liter (231) V-6 . . . . . 1.02 (.040)
  - 4.4, 5.0 Liter V-8 . . . . . 1.52 (.060)
- Compression Height – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 39.62 (1.56)
  - 3.8 Liter (231) V-6 . . . . . 46.4 (1.825)
  - 4.4, 5.0 Liter V-8 . . . . . 39.62 (1.56)

PISTON PINS
- Material SAE-1018
- Length – mm (in.)
  - 3.8 Liter (229) V-6 . . . 75.95-76.45 (2.990-3.010)
  - 3.8 Liter (231) V-6 . . . . . 73.66 (2.90)
  - 4.4, 5.0 Liter V-8 . . . . 75.95-76.45 (2.990-3.010)
- Diameter – mm (in.)
  - 3.8 Liter (229) V-6 . . 23.546-23.553 (.9270-.9273)
  - 3.8 Liter (231) V-6 . . 23.853-23.860 (.9391-.9394)
  - 4.4, 5.0 Liter V-8 . . . 23.546-23.553 (.9270-.9273)
- Clearance in Piston – mm (in.)
  - 3.8 Liter (229) V-6 0.0013-0.0075 (.00005-.00030)
  - 3.8 Liter (231) V-6 . . . 0.010-0.018 (.0004-.0007)
  - 4.4 Liter V-8 . . . . 0.0013-0.0075 (.00005-.00030)
  - 5.0 Liter V-8 . . . . 0.0063-0.0089 (.00025-.00035)

COMPRESSION RING – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	
3.8 Liter (229) V-6	Barrel
3.8 Liter (231) V-6	Barrel
4.4, 5.0 Liter V-8	Radius
Coating	
3.8 Liter V-6	Molybdenum filled channel
4.4, 5.0 Liter V-8	0.0102 (.0004) chrome flash
Width – mm (in.)	
3.8 Liter V-6	1.96-1.98 (.0770-.0780)
4.4, 5.0 Liter V-8	1.96-1.98 (.0770-.0780)
Wall Thickness – mm (in.)	
3.8 Liter (229) V-6	4.24-4.50 (.167-.177)
3.8 Liter (231) V-6	4.27-4.52 (.168-.178)
4.4, 5.0 Liter V-8	4.24-4.50 (.167-.177)
Gap – mm (in.)	
3.8 Liter (229) V-6	0.25-0.51 (.010-.020)
3.8 Liter (231) V-6	0.33-0.58 (.013-.023)
4.4, 5.0 Liter V-8	0.25-0.51 (.010-.020)

COMPRESSION RING – LOWER

Material	Cast alloy iron
Face	
3.8 Liter (229) V-6	Reverse tapered
3.8 Liter (231) V-6	Reverse tapered
4.4, 5.0 Liter V-8	Tapered
Type	
3.8 Liter V-6	Inside bevel
4.4, 5.0 Liter V-8	Reverse twist
Coating	
3.8 Liter V-6	Phosphate
4.4, 5.0 Liter V-8	Lubrited
Width – mm (in.)	
3.8 Liter V-6	1.956-1.981 (.0770-.0780)
4.4, 5.0 Liter V-8	1.956-1.981 (.0770-.0780)
Wall Thickness – mm (in.)	
3.8 Liter (229) V-6	4.24-4.50 (.167-.177)
3.8 Liter (231) V-6	4.27-4.52 (.168-.178)
4.4, 5.0 Liter V-8	4.24-4.50 (.167-.177)
Gap – mm (in.)	
3.8 Liter (229) V-6	0.25-0.64 (.010-.025)
3.8 Liter (231) V-6	0.33-0.58 (.013-.023)
4.4, 5.0 Liter V-8	0.25-.064 (.010-.025)

OIL CONTROL RING

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Stainless steel
Coating	Chrome plated
Width – (Assembled) – mm (in.)	
3.8 Liter (229) V-6	4.52-4.62 (.178-.182)
3.8 Liter (231) V-6	3.43-3.51 (.135-.142)
4.4, 5.0 Liter V-8	4.52-4.62 (.178-.182)
Wall Thickness – mm (in.)	
3.8 Liter (229) V-6	3.51-3.66 (.138-.144)
3.8 Liter (231) V-6	3.76-3.86 (.148-.152)
4.4, 5.0 Liter V-8	3.51-3.66 (.138-.144)
Gap – mm (in.)	
3.8 Liter (229) V-6	0.25-.089 (.010-.035)
3.8 Liter (231) V-6	0.38-0.89 (.015-.035)
4.4, 5.0 Liter V-8	0.25-0.89 (.010-.035)

CONNECTING ROD BEARINGS

Type	Precision, removable
Material	Premium aluminum
Clearance – mm (in.)	
3.8 Liter (229) V-6	0.025-0.063 (.0010-.0025)
3.8 Liter (231) V-6	0.013-0.066 (.0005-.0026)
4.4, 5.0 Liter V-8	0.033-0.089 (.0013-.0035)
Effective Length – mm (in.)	
3.8 Liter (229) V-6	16.97 (.668)
3.8 Liter (231) V-6	16.61 (.654)
4.4, 5.0 Liter V-8	20.24 (.797)
End Play – mm (in.)	
3.8 Liter (229) V-6	0.15-0.38 (.006-.015)
3.8 Liter (231) V-6	0.15-0.58 (.006-.023)
4.4, 5.0 Liter V-8	0.15-0.41 (.006-.016)

FUEL SYSTEM

FUEL TANK
- Capacity – Liters (gallons)
  - Sedans & Coupes . . . . . 68.5 (18.1) approx.
  - Station Wagons . . . . . 68.9 (18.2) approx.
  - El Camino
    - Standard . . . . . 67.0 (17.7) approx.
    - Optional . . . . . 83.3 (22.0) approx.
- Fuel Tank Location . . . Under floor behind rear axle
- Fuel Filler Location
  - Sedans & Coupes . . . . . Behind hinged rear license plate
  - Station Wagon & El Camino . . . . . Left rear quarter panel

FUEL FILTERS, DUAL
- In Fuel Tank . . . . . Fine mesh plastic strainer
- In Carburetor Inlet . . . . . Paper filter element

FUEL PUMP
- Type . . . . . Mechanical diaphragm
- Drive . . . . . Camshaft eccentric
- Location on Engine
  - 3.8 Liter (229) V-6 . . . . . Right front side
  - 3.8 Liter (231) V-6 . . . . . Left front side
  - 4.4, 5.0 Liter V-8 . . . . . Right front side
- Pressure Range – kPa (psi)
  - 3.8 Liter (229) V-6 . . . . . 31-41 (4.5-6.0)
  - 3.8 Liter (231) V-6 . . . . . 29-40 (4.25-5.75)
  - 4.4, 5.0 Liter V-8 . . . . . 52-62 (7.5-9.0)

AIR CLEANER
- Type . . . . . Replaceable paper element, single snorkel
- Diameter
  - 3.8 Liter V-6 . . . . . 304.8 (12.0)
  - 4.4 Liter V-8 . . . . . 304.8 (12.0)
  - 5.0 Liter V-8 . . . . . 374.7 (14.75)

CARBURETOR
- Make . . . . . Rochester Products
- Type
  - 3.8 Liter V-6 . . . . . Dualjet 2-barrel
  - 4.4 Liter V-8 . . . . . Dualjet 2-barrel
  - 5.0 Liter V-8 . . . . . Quadrajet 4-barrel
- SAE Flange Size – mm (in.) 38.1 (1.50)
- Throttle Bore – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 35.1 (1.38)
  - 3.8 Liter (231) V-6 . . . . . 36.5 (1.4375)
  - 4.4 Liter V-8 . . . . . 35.1 (1.38)
  - 5.0 Liter V-8
    - Primary 35.1 (1.38)
    - Secondary 57.2 (2.25)
- Secondary Throttle Actuation . . . . . By linkage, approximately when primary valves are opened halfway between opened and closed
- Venturi Diameter – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 30.9 (1.218)
  - 3.8 Liter (231) V-6 . . . . . 27.8 (1.093)
  - 4.4 Liter V-8 . . . . . 30.9 (1.218)
  - 5.0 Liter V-8
    - Primary 27.7 (1.09)
    - Secondary . . . . . Air valve

CHOKE
- Type . . . . . Electric

TYPE . . . . . Single exhaust and converter with crossover pipe

MUFFLER
- Type . . . . . Oval, reverse flow
- Construction . . . . . Heads and body joined by rolled lock seam
- Installation . . . . . Transverse mounted behind rear axle
- Head – mm (in.) . . . . . 1.22 (.048) aluminized sheet steel
- Shell – mm (in.) . . . . . 0.79 (.031) aluminized sheet steel
- Cover – mm (in.) . . . . . 0.38 (.015) aluminized sheet steel
- Body – mm (in.)
  - Length
    - 3.8 Liter V-6 . . . . . 508 (200)
    - 4.4, 5.0 Liter V-8 . . . . . 559 (220)
  - Width 235 (9.25)
  - Height 127 (5.00)

EXHAUST CROSSOVER PIPE
- Dimensions – O.D. – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 50.8 (2.0)
  - 3.8 Liter (231) V-6 . . . . . 50.8 (2.0)
  - 4.4 Liter V-8 . . . . . 50.8 (2.0)
  - 5.0 Liter V-8 . . . . . 50.8 (2.0)

EXHAUST PIPE TO CONVERTER
- Dimensions – O.D. – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 57.15 (2.25)
  - 3.8 Liter (231) V-6 . . . . . 57.15 (2.25)
  - 4.4 Liter V-8 . . . . . 63.50 (2.50)
  - 5.0 Liter V-8 . . . . . 63.50 (2.50)

EXHAUST PIPE – CONVERTER TO MUFFLER
- Dimensions – O.D. – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 50.8 (2.0)
  - 3.8 Liter (231) V-6 . . . . . 50.8 (2.0)
  - 4.4 Liter V-8 . . . . . 50.8 (2.0)
  - 5.0 Liter V-8 . . . . . 57.15 (2.25)

TAIL PIPE
- Dimensions – O.D. – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 50.8 (2.0)
  - 3.8 Liter (231) V-6 . . . . . 50.8 (2.0)
  - 4.4 Liter V-8 . . . . . 50.8 (2.0)
  - 5.0 Liter V-8 . . . . . 57.15 (2.25)

CATALYTIC CONVERTER
- Location . . . . . Underfloor
- Size – Liter (cu. in.)
  - 3.8 Liter (229) V-6 . . . . . 2.6 (160)
  - 3.8 Liter (231) V-6 . . . . . 4.3 (260)
  - 4.4, 5.0 Liter V-8 . . . . . 4.3 (260)
- Substrate Material . . . . . Bead
- Type
  - 3.8 Liter (229) V-6 . . . . . Oxydizing
  - 3.8 Liter (231) V-6 . . . . . Oxydizing and reducing
  - 4.4 Liter V-8 . . . . . Oxydizing
  - 5.0 Liter V-8
    - Federal . . . . . Oxydizing
    - California . . . . . Oxydizing and reducing

SYSTEM TYPE	ENGINE ADAPTATION				
	3.8 Liter V-6		4.4L V-8	5.0 Liter V-8	
	229	231	267	305	
	Federal	Calif.	Federal	Federal	Calif.
AIR – Air Injection Reactor	X	X	X	X	X
CHA – Carburetor Hot Air	X	X	X	X	X
EFE – Early Fuel Evaporation	X	X	X	X	X
P-EGR – Exhaust Pressure Modulated EGR	X	X	X	X	X
UFC – Underfloor Converter	X	–	X	X	–
C-4 – Computer Controlled Catalytic Converter	–	X	–	–	X
EST – Electronic Spark Timing	–	X	–	–	–
FEC – Fuel Evaporation Control	X	X	X	X	X
PCV – Positive Crankcase Ventilation	X	X	X	X	X

BASIC FUNCTION OF SYSTEMS

AIR INJECTION REACTOR

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

CARBURETOR HOT AIR

A thermostatically controled air induction system designed to aid carburetion. Consists of a heat stove to supply preheated air and a vacuum powered damper to mix air normally drawn in through the snorkel with the hot air. Produces a more uniform carburetor air temperature which permits proper emission control with improved engine operation.

EARLY FUEL EVAPORATION

A thermostatically controlled system designed to supply hot exhaust gasses to heat carburetor base and inlet manifold during early stages of cold engine operation. Improves cold engine driveability, during warm-up.

EXHAUST PRESSURE MODULATED EGR

Meters exhaust gas into induction system for recirculation throughout the combustion cycle to reduce oxides of nitrogen emissions. Exhaust pressure modulation in addition to vacuum modulation to increase control perimeters.

UNDERFLOOR CATALYTIC CONVERTER

A device placed in the exhaust system containing the catalytic bed through which exhaust gasses are passed. The catalyst may be configured to cause both a reduction and oxydation reaction, or an oxydation reaction only.

C-4 SYSTEM (COMPUTER CONTROLLED CATALYTIC CONVERTER SYSTEM)

A system designed to monitor engine functions and through an on-board computer combine precise electronic control of fuel-air ratio near the stoichiometric with an oxidation-reduction catalytic converter to control emissions. This system maintains the currently achieved low level of hydrocarbons and carbon monoxide emissions while significantly lowering oxides of nitrogen.

ELECTRONIC SPARK TIMING

Conventional vacuum and centrifugal advance mechanisms replaced by electronic components to optimize spark timing for better exhaust emissions control and fuel economy.

FUEL EVAPORATION CONTROL SYSTEM

Controls emission of gasoline vapors to the atmosphere by means of an integral separator within 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 and carburetor float bowl to storage, and finally, to the carburetor for utilization during engine operation.

POSITIVE CRANKCASE VENTILATION

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

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Camshaft Bearings	Pressure
Tappets	Pressure
Timing Chain	
3.8 Liter V-6	Splash & nozzle
4.4 Liter V-8	Splash & nozzle
5.0 Liter V-8	Centrifugally oiled from camshaft bearings
Oil Pressure Sending Unit	Electric
Oil Filler Cap	
Type	Positive seal
Location	Left valve rocker cover

OIL PAN CAPACITIES

Refill – Liters (quarts)	3.78 (4.0)
Refill with Filter Change – Liters (quarts)	
3.8 Liter V-8	4.07 (4.31)
4.4, 5.0 Liter V-8	4.39 (4.625)

LUBRICANT GRADES AND TEMPERATURES

-6.6°C (20°F) & above	10W-30, 10W-40, 20W-20, 20W-40, 20W-50
-17.7°C (0°F) to +15.5°C (60°F)	10W, 5W-30, 10W-30, 10W-40
-6.6°C (20°F) & below	5W-20, 10W-30

OIL PUMP

Type	Gear
Regulator Valve	Opens between 276-310 kPa (40-45 psi)
Oil Pressure – kPa (psi) @ Engine RPM	
3.8 Liter (229) V-6	310 (45) @ 2000
3.8 Liter (231) V-6	235 (34) @ 2400
4.4, 5.0 Liter V-8	310 (45) @ 2000
Intake Type	Stationary, fixed pickup with screen

OIL FILTER

Type	Full flow, throwaway canister
Location	
3.8 Liter (229) V-6	Left rear side of engine
3.8 Liter (231) V-6	Right front side of engine
4.4, 5.0 Liter V-8	Left rear side of engine
Capacity – Liters (quarts)	
3.8 Liter V-6	0.29 (0.31)
4.4, 5.0 Liter V-8	0.59 (0.625)
By-Pass Valve – kPa (psi)	
3.8 Liter (229) V-6	Opens between 62-76 (9-11) drop in pressure
3.8 Liter (231) V-6 & 4.4, 5.0 Liter V-8	Opens between 69-83 (10-12) drop in pressure

OIL DIPSTICK LOCATION

3.8 Liter (229) V-6	Right side, center of block
3.8 Liter (231) V-6	Left side, center of block
4.4, 5.0 Liter V-8	Right side, center of block

OIL PAN DRAIN PLUG

Type	Hex head
Location	
3.8 Liter (229) V-6	Left lower face of oil pan sump
3.8 Liter (231) V-6	Lower face of oil pan sump
4.4 & 5.0 Liter V-8	Left lower face of oil pan sump
Hex Head Size – mm (in.)	21.84-22.23 (.860-.875)
Thread Size	1/2-20 UNF2A
Length – mm (in.)	20.6 (0.81)
Diameter – mm (in.)	10.4-10.9 (.41-.43)

COOLING SYSTEM

GENERAL
- Type . . . . . Pressure vented through coolant recovery system
- Capacity with Heater – Liters (quarts)
  - 3.8 Liter (229) V-6 . . . . . 17.67 (18.67)
  - 3.8 Liter (231) V-6 . . . . . 14.59 (15.42)
  - 4.4 Liter V-8 . . . . . 20.70 (21.87)
  - 5.0 Liter V-8 . . . . . 18.52 (19.57)

RADIATOR
- Type . . . . . Cross flow, tube and center
- Core Constant and Thickness – mm (in.)
  - Distance Between Fins – mm (in.)
    - 3.8 Liter V-6 . . . . . 7.6 (.30)
    - 4.4 Liter V-8 . . . . . 5.0 (.20)
    - 5.0 Liter V-8
      - Federal . . . . . 5.1 (.20)
      - California . . . . . 4.0 (.16)
  - Distance Between Tubes – mm (in.) . . 13.97 (.55)
  - Core Thickness – mm (in.)
    - 3.8 Liter V-6 . . . . . 31.5 (1.24)
    - 4.4 Liter V-8 . . . . . 25.0 (.98)
    - 5.0 Liter V-8
      - Manual Trans. 31.5 (1.24)
      - Automatic Trans.
        - Federal 31.5 (1.24)
        - California . . . . . 25.0 (.98)
  - Frontal Area – cm^2 ($in.^2$)
    - 3.8 Liter V-6 . . . . . 2278 (353)
    - 4.4 Liter V-8 . . . . . 2865 (444)
    - 5.0 Liter V-8
      - Manual Trans. 2878 (446)
      - Automatic Trans.
        - Federal 2878 (446)
        - California 2865 (444)
- Overflow . . . . . Separate coolant bottle

RADIATOR, H. D. (RPO V08)
- Core Constant & Thickness
  - Distance Between Fins – mm (in.)
    - 3.8 Liter (229) V-6
      - Manual Trans. . . . . 6.4 (.25)
      - Automatic Trans. . . . . 5.6 (.22)
    - 3.8 Liter (231) V-6 . . . . . 5.1 (.20)
    - 4.4 Liter V-8 . . . . . 5.1 (.20)
    - 5.0 Liter V-8
      - Federal
        - Manual & Auto. Trans. . . . . 3.5 (.14)
      - California
        - Auto. Trans. . . . . 3.0 (.12)
  - Core Thickness – mm (in.)
    - 3.8 Liter V-6 . . . . . 31.5 (1.24)
    - 4.4 Liter V-8 . . . . . 31.5 (1.24)
    - 5.0 Liter V-8 . . . . . 25.0 (.98)
  - Frontal Area – cm^2 ($in.^2$)
    - 3.8 Liter V-6 . . . . . 2278 (353)
    - 4.4 Liter V-8 . . . . . 2878 (446)
    - 5.0 Liter V-8 . . . . . 2865 (444)
- Overflow . . . . . Separate coolant bottle

RADIATOR CAP RELIEF VALVE
- Opens at kPa (psi) 103.4 (15)

THERMOSTAT
- Type . . . . . Pellet
- Begins to Open – °C (°F) 90.6 (195)
- Fully Open at – °C (°F) 108 (227)

RADIATOR HOSE
- Outlet Lower (Radiator to Water Pump)
  - Number and Type . . . . . One, molded
  - Inner Diameter – mm (in.) 38.1 (1.50)
- Inlet Upper (Thermostat Hsg. to Radiator)
  - Number and Type . . . . . One, molded
  - Inner Diameter – mm (in.) 38.1 (1.50)

FAN
- Number of Blades . . . . . 4, staggered
- Diameter 483 (19.0)
- Fan Pulley P.D. – mm (in.) 178 (7.0)

BELT – CRANKSHAFT, FAN & ALTERNATOR
- Number Used . . . . . One
- Angle of 'V' (°) 34-38
- Pitch Line – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 1130 (44.5)
  - 3.8 Liter (231) V-6 . . . . . 1105 (43.5)
  - 4.4, 5.0 Liter V-8
    - Federal 1130 (44.5)
    - Calif. 1194 (47.0)
- Width – mm (in.) . . . . . 9.65 (.380)

WATER PUMP
- Type . . . . . Centrifugal
- Bearing Type . . . . . Permanently lubricated double row ball
- Drive . . . . . Fan belt
- Ratio (pump to engine RPM) 0.949:1

DRAIN LOCATIONS
- Engine Block
  - Type . . . . . Plug
  - Location . . . . . Right and left center
- Radiator
  - Type . . . . . Petcock
  - Location . . . . . Bottom face, right side

SUPPLY SYSTEM
- BATTERY
  - Type . . . . . 'Freedom'
  - Voltage Rating & Watts
    - 3.8 Liter V-6 12-2500
    - 4.4, 5.0 Liter V-8 12-3200
  - Cold Cranking Reserve Capacity
    - 3.8 Liter V-6 . . . . . 60 minute
    - 4.4, 5.0 Liter V-8 . . . . . 80 minute
  - Terminal Grounded . . . . . Negative
  - Location . . . . . Right front side of engine compartment

ALTERNATOR
- Type . . . . . Diode rectified
- Rating – Ampere
  - 3.8 Liter (229) V-6 37
  - 3.8 Liter (231) V-6 42
  - 4.4, 5.0 Liter V-8 37
- Volts 12-15
- Driven By . . . . . Fan belt
- Pulley P.D. – mm (in.)
  - 3.8 Liter (229) V-6 . . . . . 61.7 (2.43)
  - 3.8 Liter (231) V-6 . . . . . 71.5 (2.81)
  - 4.4, 5.0 Liter V-8 . . . . . 61.7 (2.43)
- Ratio (Alternator to Engine RPM)
  - 3.8 Liter (229) V-6 . . . . . 2.73:1
  - 3.8 Liter (231) V-6 . . . . . 2.36:1
  - 4.4, 5.0 Liter V-8 . . . . . 2.73:1

REGULATOR
- Type . . . . . Micro circuit unit integral with alternator
- Voltage 13.8-14.8

IGNITION SYSTEM
- Type . . . . . High energy ignition (H.E.I.)
- Distributors . . . . . Refer to chart below

COIL
- Type . . . . . Integral with distributor cap

SPARK PLUGS
- Type
  - 3.8 Liter V-6 . . . . . R45TS
  - 4.4 Liter V-8 . . . . . R45TS
  - 5.0 Liter V-8 . . . . . R43TS
- Thread Size – mm 14
- Gap – mm (in.)
  - 3.8 Liter V-6 . . . . . 1.14 (.045)
  - 4.4, 5.0 Liter V-8 . . . . . 1.14 (.045)
- Torque – N·m (lb. ft.) 9-20 (7-15)

CABLE . . . . . Linen cone impregnated with electrical conducting material and insulation of rubber with neoprene jacket

STARTING SYSTEM
- Starting Motor
  - Rotation (Drive end view) . . . . . Clockwise
  - Motor Drive
    - Engagement . . . . . Positive shift solenoid
    - Number of teeth
      - Pinion 9
      - Flywheel
        - 3.8 Liter (229) V-6 153
        - 3.8 Liter (231) V-6 160
        - 4.4, 5.0 Liter V-8 168

DISTRIBUTORS	3.8 Liter V-6		4.4L V-8	5.0 Liter V-8	
	229 CID	231 CID	267 CID	305 CID	
	RPO LC3	RPO LD5	RPO L39	RPO LG4	
Model	1110752	(1110784)	1103382	1103384	(1103386)
Type	High Energy Ignition (H.E.I.)				
Centrifugal Advance begins @ RPM	0 @ 1200		0 @ 1200	0 @ 800	0 @ 1000
Maximum Degrees @ RPM	14 @ 4100		22 @ 4400	20 @ 4000	20 @ 3800
Vacuum Advance begins @ kPa	0 @ 10.1		0 @ 13.5	0 @ 13.5	0 @ 13.5
Maximum Degrees @ kPa	16 @ 21.9		14 @ 27.0	15 @ 40.5	16 @ 25.3
Timing (Initial Design Setting) Crankshaft Degrees @ RPM (with Vacuum Line Disconnected)	10° BTC		4° BTC	4° BTC	4° BTC
Timing Mark Location	Torsional Damper				

Data in brackets ( ) pertain to California.

CLUTCHES

Engine	Type – Liters		3.8 Liter V-6	5.0 (305) V-8
	Availability		RPO LC3	RPO LG4
Type			Single dry disc, centrifugal	
Clutch Cover & Pressure Plate	Eff. plate load – Newtons (lbs.)		9340-10230 (2100-2300)	
	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		10 coil springs (5 sets of two)	
	Friction Rings	OD-mm (in.)	262.6 (10.34)	
		ID-mm (in.)	165.1 (6.50)	
		Total area cm^2 ($in.^2$)	655.2 (101.58)	
		Material	Woven type asbestos	
Flywheel & Ring Gear	Flywheel	Material	Cast iron	
	Ring Gear	Material	Heat treated HR steel	
		No. of teeth	153	
		P.D.-mm (in.)	323.9 (12.75)	
		Attachment	Shrink fit	
Bearings	Release	Type	Single row ball	
		Lubrication	None, prepacked	
	Pilot	Type	Bronze bushing	
		Lubrication	Sintered oil impregnated	
Controls	Clutch fork		Drop forged steel, pivot mounted on ball	
	Pedal mounting		Pendant, from brace on dash	
	Lubrication		Crossover shaft	
Clutch housing material			Aluminum alloy	

3 & 4-SPEED MANUAL TRANSMISSIONS

Transmission Type			3-Speed	4-Speed
Engine Application	Type-Liters (cu. in.)		3.8 (229) V-6	5.0 (305) V-8
	Availability		RPO LC3	RPO LG4
Case Material			Cast Iron	
Gear Shift	Type		Remote	
	Control		Lever	
	Location		Floor Mounted	
Gears	Type		Helical	
	Material		Forged steel hardened	
	Synchronization		All forward gears	
	Constant mesh gear		All gears	All forward gears
	Sliding gears		None	Reverse
	Ratio	First	3.50	2.85
		Second	1.89	2.02
		Third	1.00	1.35
		Fourth	–	1.00
		Reverse	3.62	2.85
Lubricant	Type		GL-5 Gear lubricant (80W or 80W-90)	
	Capacity-Liters (pts.)		1.4 (3.0)	1.6 (3.4)
Extension	Material		Cast iron	
	Oil Seal		Steel encased seal or spring loaded silicone	

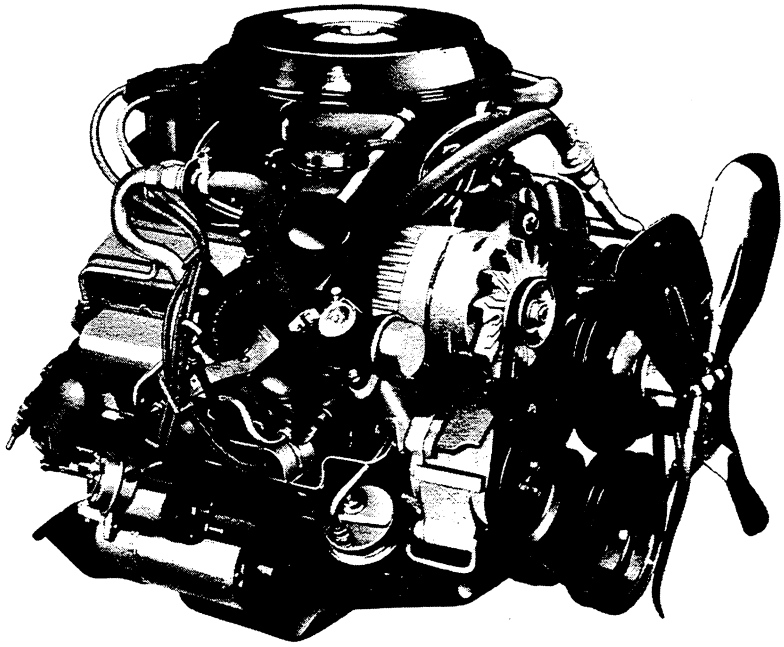
THREE-SPEED AUTOMATIC TRANSMISSION

Application			See Power Train Chart, Page 2, for Application	
Transmission			'200c'	'250c', '350', '350c'
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	Establishes range of transmission operation	
		Pressure regulator	Provides main line pressure	
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1	
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2	
	Modulator		Regulates line pressure with modulator oil pressure which varies with torque to transmission	
	Accumulator		Provides greater flexibility in attaining desired shift quality for various engine requirements	
	Pressure @ Idle (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		2.35	2.00
	Stall speed (RPM)		2110	
	Diameter (nominal)		298.4 (11.75) (c)	
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)	2.74 - 1.57 - 1.00	2.52:1 - 1.52:1 - 1.00:1
		L2 (Low two)	2.74 - 1.57	2.52:1 - 1.52:1
		L1 (Low one)	2.74	2.52:1
		R (Reverse)	2.07	1.93:1
	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
	Low & reverse clutch		4 each drive & driven plates	5 each drive & driven plates
	Release spring		Radial row steel coil	
Torque Multiplication	Drive (maximum)		6.44:1 to 1.00:1	5.04:1 to 1.00
	Low 2		6.44:1 to 1.57:1	5.04:1 to 1.52
	Low 1		6.44:1 to 2.74:1	5.04:1 to 2.52
	Reverse		4.86:1 to 2.07:1	3.86:1 to 1.93
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	Dry-liters (pts.)	9.46 (20)	
		Refill-liters (pts.)	3.8 (8)	

(a) Floor mounted available when optional console bucket seats are used; quadrant changes to P-R-N-3-2-1.
(b) Conditions: 600 RPM input.
(c) 310 mm (12.2 in) also used with '350' automatic transmission.

3.8 LITER (229 2-bbl) V6*

(Ordering Code LC3)



Applications

Standard: El Camino
Optional: None
*Not Available in California

Basic Specifications

Engine type	Valve-in-head
Piston displacement (Liter/Cu. In.)	3.8/229
Bore & stroke (nominal)	3.74" x 3.48"
Compression ratio	8.6:1
Carburetor type	2-barrel
Exhaust—Single	All

Test Procedures

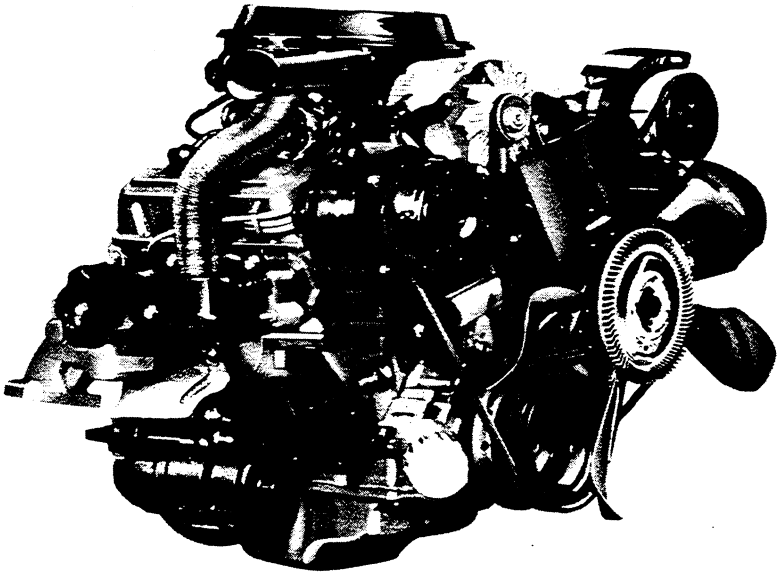
These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

Engine Ratings

SAE net horsepower (85°F)	115 @ 4000 rpm
SAE net torque, lb-ft (85°F)	175 @ 2000 rpm

3.8 LITER (231 Cu. In.) V6*

(Ordering Code LD5)



Applications

Standard: None
Optional: El Camino
*Available in California Only

Basic Specifications

Engine type	Valve-in-head
Piston displacement (Liter/Cu. In.)	3.8/231
Bore & stroke (nominal)	3.8" x 3.4"
Compression ratio	8.0 to 1
Carburetor type	2-barrel
Exhaust—Single	All

Test Procedures

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

Engine Ratings

SAE net horsepower (85°F)	110 @ 3800 rpm
SAE net torque, lb-ft (85°F)	190 @ 1600 rpm

3.8 LITER (229 Cu. In.), 3.8 LITER (231 Cu. In.) V6 ENGINES

SPECIFICATIONS

	El Camino	
	*3.8 Liter/229 V6 2-bbl	■3.8 Liter/231 V6 2-bbl
Basic Description	V6; Valve-in-head	
Displacement (liter/cu. in.)	3.8/229	3.8/231
Bore & Stroke	3.73 x 3.48	3.80 x 3.40
Compression Ratio	8.6:1	8.0:1
Firing Order	1-6-5-4-3-2	
SAE Net Horsepower @ rpm	115 @ 4000	110 @ 3800
SAE Net Torque (lb-ft) @ rpm	175 @ 2000	190 @ 1600
Air Cleaner	Replaceable paper element	
Camshaft		
Bearings	Steel-backed babbitt	
Intake Valve Opens	42° BTC	16° BTC
(excluding ramps) Closes	78° ABC	63° ABC
Exhaust Valve Opens	78° BBC	68° BBC
(excluding ramps) Closes	52° ATC	29° ATC
Intake Duration w/o ramp	300°	259°
Exhaust Duration w/o ramp	310°	277°
Carburetor		
Type	2-barrel	
Make	Rochester	
Venturi ID (in)	1.218	1.093
Throttle Bore (in)	1.38	1.4375
Choke Control	Automatic	
Connecting Rods		
Material	Drop-forged steel	Cast arma steel
Length (in)	5.70	5.96
Bearings	Premium aluminum	
Crankcase Ventilation	Closed positive	
Crankshaft		
Material	Cast nodular iron	
Number of Counterweights	6	
Main Journal dia (in)	2.45	2.50
Crankpin Journal dia (in)	2.10	
Torsional Damper	Inertia; rubber mounted	
Bearings	Upper—Micro-babbitt or copper lead; Lower—premium aluminum	
Distributor	High Energy Unit, Delco-Remy; centrifugal & vacuum advance	
Fuel Filter		
Carburetor	Pleated fiber element	
Fuel Tank	Plastic strainer	
Lubrication System	Controlled full pressure	
Main Bearings	Direct pressure	
Camshaft Bearings	Direct pressure	
Timing Gear	Centrifugally sprayed	
Connecting Rods	Direct pressure	
Valve Mechanism	Pressure & gravity	
Cylinder Walls	Cross sprayed throw-off from rod bearing	
Piston Pins	Cross sprayed throw-off from rod bearing	
Oil Capacity (qts)		
With filter change	4.5	
W/o filter change	4	

*Not available in California ■Available in California only

3.8 LITER (229 Cu. In.), 3.8 LITER (231 Cu. In.) V6 ENGINES

SPECIFICATIONS

	El Camino	
	*3.8 Liter/229 V6 2-bbl	■3.8 Liter/231 V6 2-bbl
Oil Filter	Throwaway	
Capacity (qts)	.31	
Oil Pump		
Type	Spur gear; distributor shaft driven	
Capacity (gpm)	4.3 @ 2000 rpm	
Normal Pressure (psi)	45 @ 2000 rpm	34 @ 2000 rpm
Pistons		
Material	Cast aluminum alloy	
Skirt	Closed	Full w/transverse slot
Head	Sump	Dished
Piston Pins		
Type	Rod shrink fit to pin	
Material	Chromium steel	
Piston Rings		
Compression Rings		
Number	2	
Type	Upper—barrel; lower—inside bevel	
Material	Cast iron alloy	
Oil Control Ring		
Number	1	
Type	Multi-piece	
Material	Steel	
Thermostat	Harrison; 195°	
Valve Train		
Type	Individually mounted rocker arms, push rod actuated	
Lifters	Hydraulic	
Rocker Arm Ratio	1.50:1	
Valve Guides	Integral with cylinder head	
Valve Lash	Zero	
Intake Valves		
Material	Alloy steel	
Diameter (in.)	1.84	1.71
Face Coatings	None	
Seats	Machined in cylinder head	
Exhaust Valves		
Material	High alloy steel	
Diameter (in.)	1.50	
Face Coating	Plain head & seat, full chrome	Nickel plated head
Seats	Machined in cyl. head; induction hardened	
Rotators (exhaust)	Yes	
Water Pump		
Type	Centrifugal	
Capacity (gpm)	21.6 @ 2000 rpm	

*Not available in California ■Available in California only

ORIGINAL

Specifications Form Passenger Car

1980

METRIC (U.S. Customary)

Manufacturer	Car Line	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	MALIBU-MALIBU CLASSIC-EL CAMINO	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	Model Year 1980	Issued: Oct. 1979 Revised (•) Feb. 1980

MVMA Specifications Forms
Passenger Car
METRIC (U.S. Customary)

Table of Contents

NOTE:

1. This form uses both SI metric units and U.S. Customary units. The Metric unit of measurement is presented first, and the U Customary unit follows in parentheses.
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 linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by manufacturer.
4. A printed or computer tape supplement containing additional Car and Body Dimensions and/or drawings (based in part on S J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

TRANSMISSIONS

EL CAMINO

3-, 4-SPEED TRANSMISSIONS

Type	Chevrolet 3-Speed	Chevrolet 4-Speed
Applications	3.8 Liter (229) V6	4.4 Liter (267) V8 5.0 Liter (305) V8
Synchronized Speeds:	All forward	
Gear Ratios:		
First	3.50	2.85
Second	1.89	2.02
Third	Direct	1.35
Fourth	—	Direct
Reverse	3.62	2.85
Gears:		
Type	Helical	
Material	Forged steel; hardened	
Gearshift Control:		
Type	Manual linkage	
Location	Floor	

LUV PICKUP

4-SPEED TRANSMISSION

Type	LUV 4-Speed
Applications	LUV 4-Cylinder
Synchronized Speeds	All forward
Gear Ratios:	
First	3.79
Second	2.18
Third	1.42
Fourth	Direct
Reverse	3.83
Gears:	
Type	Helical
Material	Forged steel; hardened
Gearshift Control:	
Type	Manual linkage
Location	Floor

EL CAMINO, LUV PICKUP

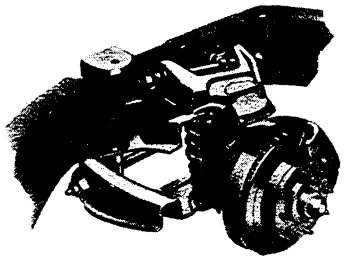
AUTOMATIC TRANSMISSION

Type	Automatic	
Applications	LUV 4-cylinder	3.8 Liter (229) V6 *3.8 Liter (231) V6 4.4 Liter (267) V8 5.0 Liter (305) V8 5.7 Liter (350) V8
Drive (Maximum Torque Multiplication)	6.08:1	5.04:1
Cooling	Water	
Gearshift Control:		
Type	Floor	Manual linkage
Location		Floor

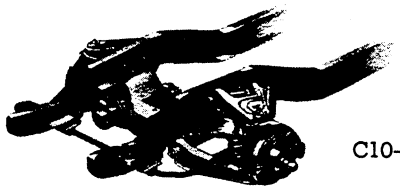
*Available in California only.

FRONT SUSPENSIONS

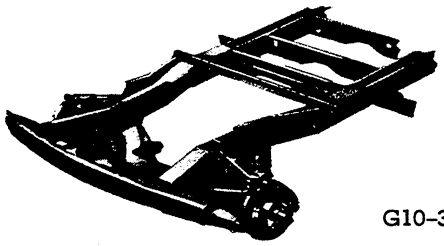
INDEPENDENT FRONT SUSPENSION



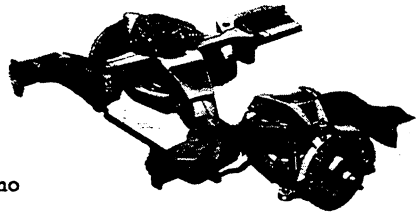
P31832



C10–30; P10–30 Series



G10–30 Series



El Camino

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

FRONT COIL SPRINGS

CAPACITY	MODEL SERIES AVAILABILITY		SPECIFICATIONS		
lbs. each @ Ground	Standard	Optional	Deflection Rate	Wire Diameter	Outside Diameter
942–1250	El Camino	—	365	.653-.693	5.75
1310	G10 (05)	—	675	.742	5.22
1550	—	†C10 (03)	800	.779	5.30
1475▲	C10 (03)	—	675	.742	5.22
1550	P10	—	930	.813	5.37
1625	C10 (06)	★C10 (03)	800	.779	5.30
1625	C10 Blazer	—	930	.813	5.37
1700	G10 (06), G20	G10 (05)	930	.813	5.37
1700	G31303 (1)	—	1090	.852	5.44
1750	C20 (03, 06)♦	—	800	.779	5.30
1800	P20	—	1090	.852	5.44
1800	—	P20	1350	.890	5.42
1900	C20 (43), C30 (03)	C20 (03, 06)♦	1090	.852	5.44
1900	C20/C6P (03, 06)	C20 (03)♦	930	.813	5.37
1950	G30 (05, 06), G31303 (2), G31603, G31632, G31332	G31303●	1090	.852	5.44
2000	C30 (43)	—	1090	.852	5.44
2200	P30 (42) P30832 P31132 P31432	P30 (42)	1350	.890	5.42

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

2500	P31832	P30832, P31132, P31432, P30 (42)	1350	.890	5.42

▲ Capacity shown is with base L6 engine. Capacity with V8 engine is 1550 lbs.
(1) Standard on Hi-Cube Van (E34) at 7400 lb. GVWR, Hi-Cube Van (E31/E36) and Schoolbus Chassis (B3D) at 8900 lb. GVWR, and Commercial Cutaway Van at 7400 lb. and 8900 lb. GVWR.
(2) Standard on 10,000 lb. GVWR (B3D). †With base 6 cyl. engine.
● Required for Hi-Cube and Cutaway Vans at 8600-lb. GVWR.
♦ Without C6P. ★ With 8 cyl. engine

REAR AXLES

EL CAMINO REAR AXLE

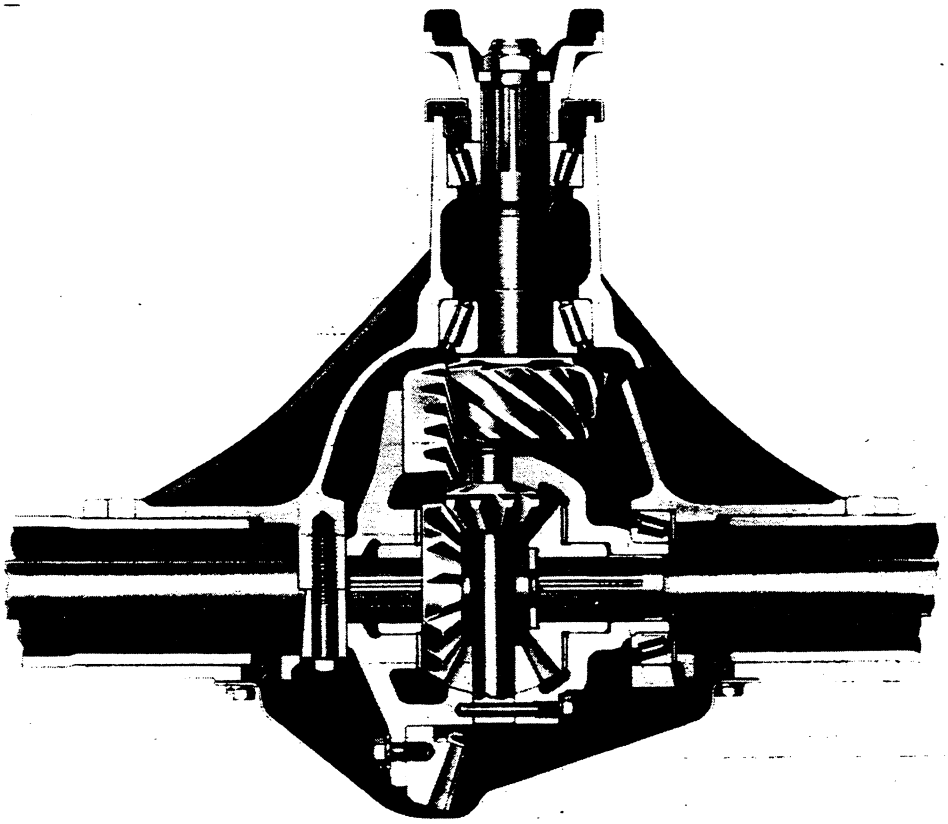


Illustration shows typical El Camino rear axle.

El Camino models offer, as standard, a Salisbury-type rear axle. Hypoid gearing is used for quiet, durable differential operations. Positraction is also available with all ratios as an option at extra cost.

Specifications

Capacity	2686 lbs			
Make	Chevrolet			
Pinion & Ring Gears: Type	Hypoid			
Ratios	2.41	2.56	2.73	3.08
Pinion, teeth	17	16	15	13
Ring gear, teeth	41	41	41	40
Ring gear pitch dia. (in)	7.50			
Differential: Type	Two-Pinion			
Axle Shaft: Type	Integral Shaft and Drive Flange			
Housing: @ spring seat Section diameter and thickness (in)	2.53 x .17			

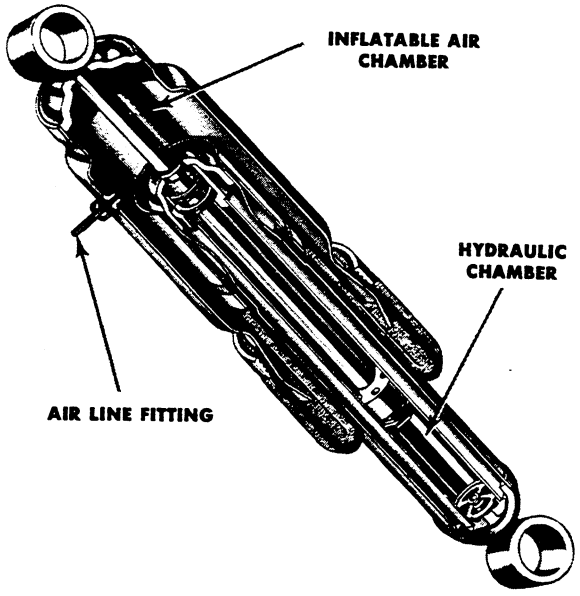
SUSPENSION SHOCK ABSORBERS

SHOCK ABSORBERS

(Hydraulic Direct-Double Acting)

Model Series Availability		Location	Type	Piston Diameter	Piston Travel
Standard	**Optional**				
El Camino	—	Front	Direct	25 mm	113.91 mm
El Camino	—	Rear	Air-Booster	25 mm	210.56 mm
C10	—	Front	Direct	25 mm	134.16 mm
K10-30♦	—	Front		25 mm	172.46 mm
G10-30*	—	Front		25 mm	128.01 mm+
C10	—	Rear		25 mm	229.61 mm
K10-20♦	—	Rear		25 mm	235.96 mm
K30	—	Rear		25 mm	274.06 mm
G10-30*	—	Rear		25 mm	210.56 mm
C20 (03, 06)♦, C30, P10-30 (42)	—	Front		25 mm	134.47 mm
P30 (32)★	—	Front		25 mm	147.04 mm
C20 (03, 06)	—	Rear		25 mm	242.32 mm
C20 (43), C20/C6P (03, 06)	—	Front		32 mm	134.56 mm
K20/C6P (03), K20 (06)	—	Front		32 mm	172.66 mm
P10-30★	—	Rear		25 mm	235.97 mm
C20/C6P (03, 06)	—	Rear		32 mm	242.51 mm
C20 (43), C30, K20 (06), K20/C6P (03)	—	Rear		32 mm	236.16 mm
G31303@, G31603/32	—	Front		35 mm	132.43 mm
P31832	—	Front		35 mm	145.17 mm
G313-31632, G31603, G31303 @	—	Rear		35 mm	253.08 mm
P31832	—	Rear		35 mm	208.63 mm
—	C10, G10-30*, C20 (03, 06), C30, P10-30 (42)	Front		32 mm	134.56 mm
—	K10-30	Front		32 mm	172.66 mm
—	C20 (43), K10-20, P10-30★	Rear		32 mm	236.16 mm
—	C20 (03, 06)	Rear		32 mm	242.51 mm
—	C10	Rear		32 mm	229.81 mm
—	K30	Rear		32 mm	274.26 mm
—	G10-30*	Rear		32 mm	210.76 mm
—	P30 (32)★	Front		35 mm	145.17 mm

+—Piston travel is 134.36 mm for all G11006 and G21005 /06 models, and models G11005 and G21305/06 with heavy duty springs
*—Except G31603/32 ★—Except P31832 @—With School Bus Chassis Equipment ♦—Without C6P



El Camino Rear Shock Absorbers
Standard Equipment Air-Booster Type

El Camino load capacity is totally realized when the standard equipment air-booster rear shock absorbers are fully inflated.

Encircled by inflatable air chambers, these shock absorbers can be adjusted by varying the air pressure to meet different road and load conditions. Air pressure is varied through a tire-type air valve located inside the fuel filler door. From the air valve, air feed lines of durable nylon connect to each shock through a tee fitting which also serves as a balance line to equalize the pressure in each shock absorber chamber. The air chamber is independent of the internal shock mechanism, which assures normal control in event of accidental air pressure loss.

A minimum pressure of 10 to 15 psi (70 to 105 kPa) should be maintained at all times. After the vehicle is loaded, pressure may be increased until the rear of the vehicle returns to the normal designed riding height, but not to exceed 90 psi (620 kPa).

NOTICE: Do not use air-adjustable shock absorbers to raise the vehicle above the normal designed riding height, since this may cause severe damage to the shock absorbers or the vehicle mounting brackets.

4.4 LITER (267 Cu. In.) V8*

(Ordering Code L39)

Applications

Standard: None
Optional: El Camino
*Not available in California

Basic Specifications

Engine type	Valve-in-head
Piston displacement (Liter/Cu. In.)	4.4/267
Bore & stroke (nominal)	3.50" x 3.48"
Compression ratio	8.3:1
Carburetor type	2-barrel
Exhaust—Single	All

Test Procedures

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

Engine Ratings

All States Except California

SAE net horsepower (85°F)	120 @ 3600 rpm
SAE net torque, lb-ft (85°F)	215 @ 2000 rpm

4.4 LITER (267 Cu. In.) V8 ENGINE

SPECIFICATIONS

	El Camino
	*4.4 Liter/267 V8 2-bbl.
Basic Description	V8; valve-in-head
Displacement (liter/cu. in.)	4.4/267
Bore & Stroke	3.50 x 3.48
Compression Ratio	8.3:1
Firing Order	1-8-4-3-6-5-7-2
SAE Net Horsepower @ rpm	120 @ 3600
SAE Net Torque (lb-ft) @ rpm	215 @ 2000
Air Cleaner	Replaceable paper element
Camshaft	
Bearings	Steel backed babbitt
Intake Valve Opens	28° BTC
(excluding ramps) Closes	64° ABC
Exhaust Valve Opens	78° BBC
(excluding ramps) Closes	30° ATC
Intake Duration w/o ramp	272°
Exhaust Duration w/o ramp	288°
Carburetor	
Type	2-barrel
Make	Rochester
Venturi ID (in)	1.218
Throttle Bore (in)	1.38
Choke Control	Automatic
Connecting Rods	
Material	Drop-forged Steel
Length (in)	5.70
Bearings	Premium aluminum
Crankcase Ventilation	Closed positive
Crankshaft	
Material	Cast nodular iron
Number of Counterweights	6
Main Journal dia (in)	2.45
Crankpin Journal dia (in)	2.10
Torsional Damper	Inertia; rubber mounted
Bearings	Upper—Micro-babbitt or copper lead; Lower premium aluminum
Distributor	High Energy Unit, Delco-Remy; centrifugal & vacuum advance
Fuel Filter	
Carburetor	Pleated fiber element
Fuel Tank	Plastic strainer
Lubrication System	Controlled full pressure
Main Bearings	Direct pressure
Camshaft Bearings	Direct pressure
Timing Gear	Centrifugally sprayed
Connecting Rods	Direct pressure
Valve Mechanism	Pressure & gravity
Cylinder Walls	Cross sprayed throw-off from rod bearing
Piston Pins	Cross sprayed throw-off from rod bearing
Oil Capacity (qts)	
With filter change	4.625
W/o filter change	4

*Not available in California

4.4 LITER (267 Cu. In.) V8 ENGINE

SPECIFICATIONS

	El Camino
	*4.4 Liter/267 V8 2-bbl
Oil Filter	Throwaway
Capacity (qts)	.625
Oil Pump	
Type	Spur gear; distributor shaft driven
Capacity (gpm)	4.3 @ 2000 rpm
Normal Pressure (psi)	45 @ 2000 rpm
Pistons	
Material	Cast aluminum alloy
Skirt	Closed
Head	Sump
Piston Pins	
Type	Rod shrink fit to pin
Material	Chromium steel
Piston Rings	
Compression Rings	
Number	2
Type	Upper—radius; lower—reverse twist
Material	Cast iron alloy
Oil Control Ring	
Number	1
Type	Multi-piece
Material	Steel
Thermostat	Harrison; 195°
Valve Train	
Type	Individually mounted rocker arms, push rod actuated
Lifters	Hydraulic
Rocker Arm Ratio	1.50:1
Valve Guides	Integral with cylinder head
Valve Lash	Zero
Intake Valves	
Material	Alloy steel
Diameter (in.)	1.72
Face Coatings	None
Seats	Machined in cylinder head
Exhaust Valves	
Material	High alloy steel
Diameter (in.)	1.38
Face Coating	Aluminized
Seats	Machined in cyl. head; induction hardened
Rotators (exhaust)	Yes
Water Pump	
Type	Centrifugal
Capacity (gpm)	21.6 @ 2000 rpm

*Not available in California

5.0 LITER (305 Cu. In.) V8

(Ordering Code LG4)

Applications

Standard: None
Optional: El Camino

Basic Specifications

Engine type	Valve-in-head
Piston displacement (Liter/Cu. In.)	5.0/305
Bore & stroke (nominal)	3.74" x 3.48"
Compression ratio	8.6:1
Carburetor type	4-barrel
Exhaust—Single	All

Test Procedures

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

Engine Ratings

All States Except California		California Only	
SAE net horsepower (85°F)	155 @ 4000 rpm	SAE net horsepower (85°F.)	155 @ 4000 rpm
SAE net torque, lb-ft (85°F)	240 @ 1600 rpm	SAE net torque, lb-ft (85°F.)	230 @ 2400 rpm

5.0 LITER (305 Cu. In.), 5.7 LITER (350 Cu. In.) V8 ENGINES

SPECIFICATIONS

	El Camino	Series 10-20(LS9)		Series 20-30(LT9)
	5.0 Liter/305 4-bbl	★5.0 Liter/305 2-bbl	5.7 Liter/350 4-bbl	5.7 Liter/350 4-bbl
Basic Description	V8; valve in head			
Displacement (Liter/Cu. In.)	5.0/305	5.0/305	5.7/350	5.7/350
Bore & Stroke	3.74 x 3.48	3.74 x 3.48	4.00 x 3.48	4.00 x 3.48
Compression Ratio	8.6:1	8.5:1	8.2:1	8.3:1
Firing Order	1-8-4-3-6-5-7-2			
SAE Net Horsepower @ rpm	+155 @ 4000	135 @ 4200	#▲175 @ 4000	165 @ 3800
SAE Net Torque (lb-ft) @ rpm	+240 @ 1600	235 @ 2400	#▲275 @ 2400	255 @ 2800
Air Cleaner	Thermostatically controlled; Oil wetted paper element			
Camshaft				
Bearings	Steel-backed babbitt			
Intake Valve Opens	44° BTC	14° BTC	14° BTC	14° BTC
(at .004" cam lift) Closes	236° ATC	236° ATC	244° ATC	244° ATC
Exhaust Valve Opens	254° BTC	243° BTC	243° BTC	243° BTC
(at .004" cam lift) Closes	52° ATC	26° ATC	26° ATC	26° ATC
Intake Duration	280°	250°	258°	258°
Exhaust Duration	306°	269°	269°	269°
Carburetor				
Type	4-barrel	2-barrel	4-barrel	4-barrel
Make	Rochester			
Venturi ID (in)	1.093	1.218		
Throttle Bore (in)	Pri.-1.38; Sec.-2.25	1.69	Pri.-1.38; Sec.-2.25	Pri.-1.38; Sec.-2.25
Choke Control	Electric	Automatic		
Connecting Rods				
Material	Drop-forged Steel			
Length (in)	5.695-5.705			
Bearings	Premium aluminum			
Crankcase Ventilation	Closed positive			
Crankshaft				
Material	Cast nodular iron			
Number of Counterweights	6			
Main Journal dia (in)	2.45			
Crankpin Journal dia (in)	2.10			
Torsional Damper	Inertia; rubber mounted			
Bearings	Upper—Micro-babbitt or copper lead; Lower—premium aluminum			
Distributor	High Energy Unit, Delco-Remy; centrifugal & vacuum advance			
Fuel Filter				
Carburetor	Pleated fiber element			
Fuel Tank	Plastic strainer			
Lubrication System	Controlled full pressure			
Main Bearings	Direct pressure			
Camshaft Bearings	Direct pressure			
Timing Gear	Centrifugally sprayed			
Connecting Rods	Direct pressure			
Valve Mechanism	Pressure & gravity			
Cylinder Walls	Cross sprayed throw-off from rod bearing			
Piston Pins	Cross sprayed throw-off from rod bearing			
Oil Capacity (qts)				
With filter change	4.5	5		
W/o filter change	4			

★Not available in California

#Ratings are for engine with CCS Emission system;
Ratings for engine with Air Emission system are: Net Horsepower....170 @ 4000 rpm
Net torque, lb-ft....270 @ 2400 rpm

+Ratings for California only: Net horsepower.....155 @ 4000 rpm
Net torque, lb-ft.....230 @ 2400 rpm

▲Ratings for California only: Net horsepower.....170 @ 4000 rpm
Net torque, lb-ft.....275 @ 2000 rpm

5.0 LITER (305 Cu. In.), 5.7 LITER (350 Cu. In.) V8 ENGINES

SPECIFICATIONS

	El Camino	Series 10-30 (LS9 and LT9)	
	5.0 Liter/305 4-bbl	★5.0 Liter/305 2-bbl	5.7 Liter/350 4-bbl
Oil Filter	Throwaway	Throwaway	
Capacity (qts)	.473	.85	
Oil Pump			
Type	Spur gear; distributor shaft driven		
Capacity (gpm)	4.3 @ 2000 rpm		
Normal Pressure (psi)	45 @ 2000 rpm		
Pistons			
Material	Cast aluminum alloy		
Skirt	Closed		
Head	Sump*		
Piston Pins			
Type	Rod shrink fit to pin		
Material	Chromium steel		
Piston Rings			
Compression Rings			
Number	2		
Type	Upper—barrel; lower—inside bevel		
Material	Cast iron alloy		
Oil Control Ring			
Number	1		
Type	Multi-piece		
Material	Steel		
Thermostat	Harrison; 195°		
Valve Train			
Type	Individually mounted rocker arms, push rod actuated		
Lifters	Hydraulic		
Rocker Arm Ratio	1.50:1		
Valve Guides	Integral with cylinder head		
Valve Lash	Zero		
Intake Valves			
Material	Alloy steel		
Diameter (in.)	1.84	1.72	1.94 LD; 1.72 HD
Face Coatings	None	None on light duty; aluminized on heavy duty	
Seats	Machined in cylinder head		
Exhaust Valves			
Material	High alloy steel		
Diameter (in.)	1.50		
Face Coating	Aluminized	Aluminized	Aluminized; (Stellite optional)
Seats	Machined in cyl. head; induction hardened		
Rotators (exhaust)	Yes		
Water Pump			
Type	Centrifugal		
Capacity (gpm)	21.6 @ 2000 rpm		

★Not available in California *Chamfered top land on light duty emissions

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front / Rear)		Max. Trunk/Cargo Load — Kilograms (Pounds)
	MODEL NUMBER	FRONT	REAR	
MALIBU				
2-Door Coupe	1AT27	3	3	
4-Door Sedan	1AT19	3	3	
4-Door Station Wagon, 2-Seat	1AT35	3	3	
MALIBU CLASSIC				
2-Door Coupe	1AW27	3	3	
4-Door Sedan	1AW19	3	3	
4-Door Station Wagon, 2-Seat	1AW35	3	3	
EL CAMINO				
2-Door Sedan Pick-up	1AW80	3	-	

NOTE: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU-MALIBU CLASSIC-EL CAMINO
Model Year 1980 Issued 10/79 Revised (•)

Power Teams (Indicate whether standard or optional)

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

SERIES # AVAILABILITY	ENGINE						TRANSMISSION	AXLE RA (Std. firs (Indicate A/C A
	Displ. liters (in³)	Carb.	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N-m (lb. ft.)	Exhaust System*		
BASE - ALL EXC. CALIF. - SED & COUPE	3.8 (229) RPO LC3	2-bbl	8.6:1	86 (115) @ 4000	237 (175) @ 2000	S	3-Spd MAN. - BASE 3.50 LOW	2.73
							3-Spd AUTO '200c' AVAIL.	2.41
- WAGON & EL CAMINO							3-Spd MAN. - BASE 3.50 LOW	2.73
							3-Spd AUTO '200c' AVAIL.	2.73
AVAIL - CALIF ONLY (b) - SED & CPE.	3.8 (231) RPO LD5	2-bbl	8.0:1	82 (110) @ 3800	258 (190) @ 1600	S	3-Spd. AUTO '350' AVAIL	2.41
- WAGON & EL CAMINO								2.73
AVAIL - ALL EXC. CALIF - SED & CPE	4.4 (267) RPO L39	2-bbl	8.3:1	89 (120) @ 3600	291 (215) @ 2000	S	3-Spd. AUTO '250c' (3-Spd. AUTO '350c' @)	2.29
- WAGON & EL CAMINO							3-Spd. AUTO '350'	2.56
AVAIL - ALL EXC. CALIF - SED & CPE	5.0 (305) RPO LG4	4-bbl	8.6:1	116 (155) @ 4000	325 (240) @ 1600	S	MAN 4-Spd AVAIL - 2.85 LOW	3.08
							*3-Spd AUTO '250c'	2.29
- WAGON							3-Spd AUTO '350c'	-
							*3-Spd AUTO '250c'	2.41
- EL CAMINO							3-Spd AUTO '350c'	-
							MAN 4-Spd AVAIL 2.85 LOW	3.08
							*3-Spd AUTO '250c'	2.41
							3-Spd AUTO '350c'	-
AVAIL - CALIF ONLY (b) - SED & CPE					312 (230) @ 2400		3-Spd AUTO '350'	2.29
WAGON & EL CAMINO							3-Spd AUTO '350'	2.41

(b) C-4 System emission control.

(*) Auto. trans. '200c' will be used as a Manufacturing option.

@ Manufacturing option.

*S - Single D - Dual

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•)

- 'Base' and 'Available' refer to engine availability.

A - Base - all states

B - Optional - all states

Limited slip differential and air conditioning available with all axle ratios.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•) ____

Engine Description/Carb.		3.8 Liter V-6/2-bbl (229 CID) RPO LC3	3.8 Liter V-6/2-bbl (231 CID) RPO LD5
Engine — General			
*Total dressed engine mass (wt) dry		189.0 kg (416.6 lb)	
Type (inline, V and Angle, Flat) Location (Front, Mid, Rear)		90° 'V'	
No. of cylinders		6	
Bore		95 (3.736)	96.5 (3.80)
Stroke		88.4 (3.48)	86.4 (3.40)
Piston Displacement cm^3 (in^3)		3753 (229)	3785 (231)
Bore Spacing (C/L to C/L)		111.8 (4.40)	107.7 (4.24)
Cyl. No. system (front to rear)**	L Bank	1-3-5	
	R. Bank	2-4-6	
Firing Order		1-6-5-4-3-2	
Cylinder Head Material		Cast alloy iron	
Cylinder Block Material		Cast alloy iron	
Cylinder block deck height		229.2 (9.025)	242.8 (9.56)
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation position (transverse, Longitudinal)		Longitudinal	
Recommended fuel Leaded, unleaded		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		87	
Cylinder Head Volume — cm^3		58.9	48.19
Head Gasket Thickness (Compressed)		.021	.533
Head Gasket Volume — cm^3		3.98	3.93
Deck clearance (minimum) (above or below block)		.025 below	1.91 below
Minimum Combustion Chamber Volume — cm^3		56.7	87.65

Engine — Pistons

Material			Cast aluminum alloy	
Description and finish			Closed skirt, sump head	Full skirt with transverse slot, dished head
Mass, g (weight, oz.) — Piston Only			508 (17.92)	
Clearance (limits)	Top land		.622-.851 (.0245-.0335)	1.17-1.42 (.046-.056)
	Skirt	Top	.017-.107 (.0007-.0042)	.020-.050 (.0008-.0020)
		Bottom		.030-.090 (.0013-.0035)
Ring groove diameter	No. 1 ring		84.33-84.71 (3.320-3.335)	85.98-86.36 (3.385-3.400)
	No. 2 ring		84.33-84.71 (3.320-3.335)	85.98-86.36 (3.385-3.400)
	No. 3. ring		83.82-84.20 (3.300-3.315)	85.93-86.26 (3.383-3.396)

*Dressed engine mass (weight) includes the following:
Ready to run-front of engine to rear of engine block less radiator hoses, coolant, accelerator controls and engine mountings.

** Rear of engine - drive takeoff.
View from drive takeoff end to determine left & right side of engine.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (*) _____

Engine Description/Carb.	4.4 Liter V-8/2-bbl (267 CID) RPO L39	5.0 Liter V-8/4-bbl (305 CID) RPO LG4

Engine — General

*Total dressed engine mass (wt) dry		245.9 kg (542.1 lb)	243.9 kg (537.7 lb)
Type (Inline, V and Angle, Flat) Location (Front, Mid, Rear)		90° 'V'	
No. of cylinders		8	
Bore		88.9 (3.50)	95 (3.736)
Stroke		88.4 (3.48)	
Piston Displacement cm^3 (in^3)		4375 (267)	4998 (305)
Bore Spacing (C/L to C/L)		111.8 (4.40)	
Cyl. No. system (front to rear)**	L Bank	1-3-5-7	
	R. Bank	2-4-6-8	
Firing Order		1-8-4-3-6-5-7-2	
Cylinder Head Material		Cast alloy iron	
Cylinder Block Material		Cast alloy iron	
Cylinder block deck height		229.2 (9.025)	229.4 (9.03)
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation position (transverse, Longitudinal)		Longitudinal	
Recommended fuel Leaded, unleaded		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		87	
Cylinder Head Volume — cm^3		51.8	58.9
Head Gasket Thickness (Compressed)		.021	
Head Gasket Volume — cm^3		3.61	3.98
Deck clearance (minimum) (above or below block)		.025 below	
Minimum Combustion Chamber Volume — cm^3		49.6	56.7

Engine — Pistons

Material		Cast aluminum alloy	
Description and finish		Closed skirt, sump head	
Mass, g (weight, oz.) — Piston Only		444 (15.66)	508 (17.92)
Clearance (limits)	Top land	.622-.851 (.0245-.0335)	
	Skirt Top	.017-.107 (.0007-.0042)	
	Skirt Bottom	---	
Ring groove diameter	No. 1 ring	84.33-84.71 (3.320-3.335)	
	No. 2 ring	84.33-84.71 (3.320-3.335)	
	No. 3 ring	83.82-84.20 (3.300-3.315)	

*Dressed engine mass (weight) includes the following:

Ready to run-front of engine to rear of engine block less radiator hoses, coolant, accelerator controls and engine mountings.

** Rear of engine - drive takeoff.
View from drive takeoff end to determine left & right side of engine.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•)

Engine Description/Carb.	3.8 Liter V-6/2-bbl (229 CID) RPO LC3	3.8 Liter V-6/2-bbl (231 CID) RPO LD5

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.		Compression	
	No. 2, oil or comp.		Compression	
	No. 3, oil or comp.		Oil	
Compression	Description — Material, coating, etc.	Upper	Molybdenum filled channel, barrel faced	
		Lower	Inside bevel, reverse tapered face, phosphate coated	
	Width		1.96-1.98 (.0770-.0780)	4.27-4.52 (.168-.178)
	Gap		0.25-0.51 (.010-.020) (a)	.33-.58 (.013-.023)
Oil	Description — material, coating, etc.	Upper	TRW T-Flex	Stainless steel - 50
		Lower		
	Width		4.52-4.62 (.178-.182)	3.43-3.51 (.135-.142)
	Gap		0.25-0.89 (.010-.035)	.38-.89 (.015-.035)
Expanders			In oil ring assembly	Abuttment type

Engine — Piston Pins

Material			SAE - 1018	
Length			75.95-76.45 (2.990-3.010)	73.66 (2.90)
Diameter			23.546-23.553 (.9270-.9273)	23.853-23.860 (.9391-.9394)
Type	Locked in rod, in piston, floating, etc.		Locked in rod	Pressed in rod
	Bushing	In rod or piston	--	--
		Material	--	--
Clearance	In piston		.0013-.0076 (00005-.00030)	.010-.018 (.0004-.0007)
	In rod			.019-.032 (.00075-.00125)
Direction & amount offset in piston			Major thrust side - 1.52 (.060)	Right - .102 (.040)

Engine — Connecting Rods

Material		1037 or 1038 steel	Cast arma steel
Mass, g (weight, oz.)		388 (13.69)	
Length (center to center)		144.8 (5.70)	151.4 (5.96)
Bearing	Material & Type	Premium aluminum	
	Overall length	16.97 (.668)	16.61 (.654)
	Clearance (limits)	.025-.063 (.0010-.0025)	.013-.066 (.0005-.0026)
	End Play	.15-.38 (.006-.015)	.15-.58 (.006-.023)

(a) Lower - .25-.64 (.010-.025)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year: 1980 Issued: 10/79 Revised (•):

Engine Description/Carb.	4.4 Liter V-8/2-bbl (267 CID) RPO L39	5.0 Liter V-8/4-bbl (305 CID) RPO LG4

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.		Compression
	No. 2, oil or comp.		Compression
	No. 3, oil or comp.		Oil
Compression	Description — Material, coating, etc.	Upper	Cast alloy iron, radius face, .0004 chrome flash
		Lower	Cast alloy iron, reverse twist tapered face lubrited
	Width		1.956-1.981 (.0770-.0780)
	Gap		Upper - .25-.50 (.010-.020) (a)
Oil	Description — material, coating, etc.		TRW 'T' flex design, .05 mm (.002") minimum chrome
	Width		4.52-4.62 (.178-.182)
	Gap		.25-.89 (.010-.035)
Expanders			In oil ring assembly

Engine — Piston Pins

Material			SAE - 1018	
Length			75.95-76.45 (2.990-3.010)	
Diameter			23.546-23.553 (.9270-.9273)	
Type	Locked in rod, in piston, floating, etc.		Locked in rod	
	Bushing	In rod or piston	---	
		Material	---	
Clearance	In piston		.0013-.0076 (.00005-.00030)	.0063-.0089 (.00025-.00035)
	In rod			
Direction & amount offset in piston			Major thrust side - 1.52 (.060)	

Engine — Connecting Rods

Material		1037 or 1038 steel
Mass, g (weight, oz.)		388 (13.69)
Length (center to center)		144.8 (5.70)
Bearing	Material & Type	Premium aluminum
	Overall length	20.24 (.797)
	Clearance (limits)	.033-.089 (.0013-.0035)
	End Play	.15-.41 (.006-.016)

(a) Lower - RPO L39 - .25-.64 (.010-.025); RPO LG4 - .33-.63 (.013-.025)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Engine Description/Carb.	3.8 Liter V-6/2-bbl (229 CID) RPO LC3	3.8 Liter V-6/2-bbl (231 CID) RPO LD5

Engine — Crankshaft

Material			Nodular cast iron	
Vibration damper type			Rubber mounted inertia	
End thrust taken by bearing (No.)			4	2
Crankshaft end play			.051-.152 (.002-.006)	.08-.23 (.003-.009)
Main bearing	Material & type		#1-G66 conecc; 2,3,4-M400	#1 upper-M400 conecc; #1 lower-M100 conecc; #2,3-M400; #4-M100
	Clearance		(a)	.010-.040 (.0004-.0017)
	Journal dia. and bearing overall length	No. 1	62.202 x 20.37 (2.4489 x .802)	63.487 x 21.95 (2.4995 x .864)
		No. 2	62.194 x 20.37 (2.4486 x .802)	63.487 x 26.85 (2.4995 x 1.057)
		No. 3	62.194 x 20.37 (2.4486 x .802)	63.487 x 21.95 (2.4995 x .864)
		No. 4	62.189 x 38.94(2.4484 x 1.533)	63.487 x 21.95 (2.4995 x .864)
		No. 5	---	
		No. 6	---	
		No. 7	---	
	Dir. & amt. cyl. offset		---	
	No. bolts/main brg. cap		2	
Crankpin journal diameter			53.284-53.335 (2.0978-2.0998)	57.12-57.14 (2.2487-2.2495)

Engine — Camshaft

Location			In block above crankshaft	
Material			Cast alloy iron	
Bearings	Material		Steel backed babbitt	
	Number		4	
Type of Drive	Gear, chain or belt		Chain	
	Crankshaft gear or sprocket material		Steel	Sintered iron
	Camshaft gear or sprocket material		Cast iron	Aluminum-nylon
	Timing chain	No. of links	46	54
	Chain or Belt	Width	15.87 (.625)	22.23 (.875)
		Pitch	12.7 (.500)	9.53 (.375)

(a) Front .020-.051 (.0008-.0020)
Intermediate - .028-.058 (.0011-.0023)
Rear - .043-.081 (.0017-.0032)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•) _____

Engine Description/Carb.	4.4 Liter V-8/2-bbl (267 CID) RPO L39	5.0 Liter V-8/4-bbl (305 CID) RPO LG4

Engine — Crankshaft

Material			Nodular cast iron
Vibration damper type			Rubber mounted inertia
End thrust taken by bearing (No.)			5
Crankshaft end play			.05-.18 (.002-.007)
Main bearing	Material & type		#1-G66 conecc; #2,3,4-premium aluminum; #5 upper-M100; #5 lower w/A.T.-M400; #5 lower w/M.T.-M100
	Clearance		(A)
	Journal dia. and bearing overall length	No. 1	62.202 x 20.37 (2.4489 x .802)
		No. 2	62.194 x 20.37 (2.4486 x .802)
		No. 3	62.194 x 20.37 (2.4486 x .802)
		No. 4	62.194 x 20.37 (2.4486 x .802)
		No. 5	62.189 x 38.94 (2.4484 x1.533)
		No. 6	--
		No. 7	--
	Dir. & amt. cyl. offset		--
	No. bolts/main brg. cap		2
Crankpin journal diameter			53.31-53.34 (2.099-2.100)

Engine — Camshaft

Location			In block above crankshaft
Material			Cast alloy iron
Bearings	Material		Steel backed babbitt
	Number		5
Type of Drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		Sintered iron
	Camshaft gear or sprocket material		Aluminum nylon
	Timing chain	No. of links	46
	Chain or Belt	Width	15.87 (.625)
		Pitch	12.7 (.50)

(A) Front - .020-.051 (.0008-.0020)
Intermediate - .028-.058 (.0011-.0023)
Rear - .043-.081 (.0017-.0032)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (*) _____

Engine Description / Carb.	3.8 Liter V-6/2-bbl (229 CID) RPO LC3	3.8 Liter V-6/2-bbl (231 CID) RPO LD5

Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			Exhaust	None
Push rods (dia., length, material)			7.9 x 196.2 (.3125 x 7.724)(b)	7.94 x 220.9 (.3125 x 8.697)(a)
Rocker ratio			1.50:1	1.55:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero	
	Exhaust		Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)	42	16
		Closes (°ABC)	78	63
		Duration (deg.)	300	259
	Exhaust	Opens (°BBC)	78	68
		Closes (°ATC)	52	29
		Duration (deg.)	310	277
	Valve open overlap (deg.)		94	45
Intake Valve	Material		1541 or 1547 steel, flash chrome	1541 steel, chrome flash stem
	Overall length		124.52-125.03 (4.9024-4.9224)	119.33-120.09 (4.698-4.728)
	Actual overall head dia.		46.61-46.86 (1.835-1.845)	43.43 (1.71)
	Angle of seat & face (deg.)		46, 45	45
	Seat insert material		None	None
	Stem diameter		8.661-8.679 (.3410-.3417)	8.64-8.67 (.3402-.3412)
	Stem to guide clearance		0.025-.069 (.0010-.0027)	.038-.089 (.0015-.0035)
	Lift (at zero lash)		9.47 (.373)	9.07 (.357)
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	338.1-373.6 @ 43.2 (76-84 @ 1.70)	262.4-306.9 @ 43.86 (59-69 @ 1.727)
		Valve open — N at mm (lb. at in.)	778 @ 31.7 175 @ 1.25)	774.0-845.2 @ 34.04 (174-190 @ 1.34)
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	Spring damper	Spring damper
		Valve open — N at mm (lb. at in.)	Spring damper	Spring damper
Exhaust Valve	Material		21-2N steel, chrome flash stem	21-2N steel, chrome flash stem
	Overall length		124.71-125.22 (4.910-4.930)	119.46-120.22 (4.703-4.733)
	Actual overall head dia.		37.97-38.23 (1.495-1.505)	38.1 (1.50)
	Angle of seat & face (deg.)		46, 45	45
	Seat insert material		None	None
	Stem diameter		8.661-8.679 (.3410-.3417)	8.649-8.667 (.3405-.3412)
	Stem to guide clearance		.025-.069 (.0010-.0027)	.038-.081 (.0015-.0032)
	Lift (at zero lash)		10.4 (.410)	9.30 (.366)
	Outer spring press. & length	Valve closed — N at mm (lb. at in.)	338.1-373.6 @ 43.2 (76-84 @ 1.70)	262.4-306.9 @ 43.86 (59-69 @ 1.727)
		Valve open — N at mm (lb. at in.)	825.8-871.8 @ 31.7 (184-196 @ 1.25)	773.9-845.1 @ 34.04 (174-190 @ 1.34)
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	Spring damper	Spring damper
		Valve open — N at mm (lb. at in.)	Spring damper	Spring damper

(a) 0.060" wall tubing with hardened balls. (b) 1010 steel, carbonitrided, formed ends.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•)

Engine Description/Carb.	4.4 Liter V-8/2-bbl (267 CID) RPO L39	5.0 Liter V-8/4-bbl (305 CID) RPO LG4

Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			Exhaust	
Push rods (dia., length, material)			7.9 x 196.2 (.3125 x 7.724) welded steel tubing	
Rocker ratio			1.50:1	
Operating tappet clearance (indicate hot or cold)	Intake		Zero	
	Exhaust		Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28	
		Closes (°ABC)	64	
		Duration (deg.)	272	
	Exhaust	Opens (°BBC)	78	
		Closes (°ATC)	30	
		Duration (deg.)	288	
	Valve open overlap (deg.)		58	
Intake Valve	Material		SAE 1541-H steel (a)	21-2N steel, full chrome
	Overall length		124.52-125.03 (4.9024-4.9224)	
	Actual overall head dia.		43.7 (1.72)	46.7 (1.84)
	Angle of seat & face (deg.)		46, 45	
	Seat insert material		None	
	Stem diameter		8.661-8.679 (.3410-.3417)	
	Stem to guide clearance		.025-.069 (.0010-.0027)	
	Lift (at zero lash)		9.07 (.357)	
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	338.1-373.6 @ 43.2 (76-84 @ 1.70)	
		Valve open — N at mm (lb. at in.)	778 @ 31.7 (175 @ 1.25)	
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	Spring damper	
		Valve open — N at mm (lb. at in.)	Spring damper	
Exhaust Valve	Material		21-2N steel, aluminized head, chrome flash stem	
	Overall length		124.71-125.22 (4.910-4.930)	124.79-125.30 (4.913-4.933)
	Actual overall head dia.		35.1 (1.38)	38.1 (1.50)
	Angle of seat & face (deg.)		46, 45	
	Seat insert material		None	
	Stem diameter		8.661-8.679 (.3410-.3417)	
	Stem to guide clearance		.025-.069 (.0010-.0027)	
	Lift (at zero lash)		9.91 (.390)	
	Outer spring press. & length	Valve closed — N at mm (lb. at in.)	338.1-373.6 @ 43.2 (76-84 @ 1.70)	
		Valve open — N at mm (lb. at in.)	825.8 @ 29.5 (184 @ 1.16)	
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	Spring damper	
		Valve open — N at mm (lb. at in.)	Spring damper	

(a) Chrome flash stem.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Engine Description / Carb.	3.8 Liter V-6/2-bbl (229 CID) RPO LC3	3.8 Liter V-6/2-bbl (231 CID) RPO LD5

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	Splash & nozzle
	Cylinder walls	Splash
Oil pump type		Gear
Normal oil pressure-kPa (Psi) at engine rpm		310.3 (45)
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part, other)		Full flow
Capacity of c/case, less filter-refill-L (qt.)		3.8 (4.0)
Oil grade recommended (SAE viscosity and temperature range)		Minus 6.6°C (20°F) & above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 Minus 17.7°C to +15.5°C (0 to 60°F) - 10W, 5W-30, 10W-40, 10W-30 Minus 6.6°C (20°F) and below - 5W-20, 10W-30
Engine service reqmt. (SD, SE, etc.)		SE

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single w/crossover
Muffler No. & Type (reverse flow, straight thru, separate resonator)		One, reverse flow
Resonator No. & type		None
Exhaust Pipe	Branch O.D., wall thickness	50.8 (2.0)
	Main O.D., wall thickness	57.15 (2.25)
	Material	Laminated Stainless Steel Tubing
Inter-mediate Pipe	O.D. & wall thickness	50.8 (2.0)
	Material	Aluminum coated steel
Tail Pipe	O.D. & walll thickness	50.8 (2.0)
	Material	Aluminum coated steel

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•)

Engine Description / Carb.	4.4 Liter V-8/2-bbl (267 CID) RPO L39	5.0 Liter V-8/4-bbl (305 CID) RPO LG4

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	Splash & nozzle	Centrifugally oiled
	Cylinder walls	Splash	Pressure, jet cross sprayed
Oil pump type		Gear	
Normal oil pressure-kPa (Psi) at engine rpm		310.3 (45)	
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full flow	
Capacity of c/case, less filter-refill-L (qt.)		3.8 (4.0)	
Oil grade recommended (SAE viscosity and temperature range)		Minus 6.6°C (20°F) and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 Minus 17.7°C to +15.5°C (0 to 60°F) - 10W, 5W-30, 10W-40, 10W-30 Minus 6.6°C (20°F) and below - 5W-20, 10W-30	
Engine service reqmt. (SD, SE, etc.)		SE	

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single w/crossover	
Muffler No. & Type (reverse flow, straight thru, separate resonator)		One, reverse flow	
Resonator No. & type		None	
Exhaust Pipe	Branch O.D., wall thickness	50.8 (2.0)	
	Main O.D., wall thickness	63.5 (2.50)	
	Material	Laminated stainless steel tubing	
Inter-mediate Pipe	O.D. & wall thickness	50.8 (2.0)	57.2 (2.25)
	Material	Laminated steel tubing	
Tail Pipe	O.D. & walll thickness	50.8 (2.0)	57.2 (2.25)
	Material	Alumium coated steel	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) 2/80

Engine Description/Carb.	3.8L V-6/2-bbl (229 CID) RPO LC3	3.8L V-6/2-bbl (231 CID) RPO LD5	4.4L V-8/2-bbl (267 CID) RPO L39	5.0L V-8/4-bbl (305 CID) RPO LG4

Engine — Fuel System

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

Inductions type: Carburetor, fuel injections, etc.			Carburetor			
Fuel Tank	Refill capacity — L (U.S. gals.)		68.5(18.1)-Sed. & Cpe; 68.9(18.2)-S.W.; 67.0(17.7) El Camino (a)			
	Filler location		Rear - sedan & cpe; LR quarter panel - S.W. & El Camino			
Fuel Pump	Type (elec. or mech.)		Mechanical			
	Locations on engine		Lower RF	Lower LF	Lower RF	
	Pressure range — kPa (psi)		31-41(4.5-6.0)	29-40(4.25-5.75)	52-62 (7.5-9.0)	
Fuel Filter	Type		Fine mesh plastic strainer in gasoline tank and			
	Locations		paper filter element in carburetor inlet			
Carburetor	Choke type		Electric			
	Intake manifold heat control (exhaust or water)		Exhaust			
	Air cleaner type	Standard	Replaceable paper element, single snorkel			
	Idle spd.-rpm (spec. neutral or drive)	Manual	700/N		--	700/N
		Propane (Neu.)				
		Automatic	600/D	(550/D)	500/D	500/D
		Propane (Neu.)				
	Idle A/F mix.					

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in.^{3})	Transmission	Carburetors Make	Carburetors Model	No. Used and Type	Barrel Size
• All	3.8 (229)	Manual	Rochester	17080147	One, 2-bbl	Pri. & Sec. 35.1 (1.38)
		Automatic		17080146		
•	3.8 (231)	Automatic	Rochester	(17080493)	One, 2-bbl	Pri & Sec. 36.5(1.4375)
	4.4 (267)	Automatic	Rochester	17080108	One, 2-bbl	Pri & Sec 35.1 (1.38)
•	5.0 (305)	Manual	Rochester	17080207	One, 4-bbl	Pri-35.1(1.38) Sec-37.2(2.25)
		Automatic		17080202 (17080516)		

(a) 83.3 (22.0) optional for El Camino.

Data in brackets ( ) pertains to California.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•)

Engine Description/Carb.	3.8 V-6/2-bbl (229 CID) RPO LC3	3.8L V-6/2-bbl (231 CID) RPO LD5	4.4L V-8/2-bbl (267 CID) RPO L39	5.0L V-8/4-bbl (305 CID) RPO LG4

Engine — Cooling System

Coolant recovery system (std., opt., none)			Standard			
Radiator cap relief valve pressure — kPa (psi)			103.4 (15)			
Circulation thermostat	Type (choke, bypass)		Choke			
	Starts to open at °C (°F)		90.6 (195)			
Water pump	Type (centrifugal, other)		Centrifugal			
	GPM 1000 pump rpm					
	Number of pumps		One			
	Drive (V-belt, other)		'V'-belt			
	Bearing Type		Permanently lubricated double row ball			
By-pass recirculation type (inter., ext.)			Internal	External	Internal	
Radiator core type (cross-flow) vertical, cellular, tube and fin, other)			Cross flow, tube and center			
Cooling System Capacity	With heater — L (qt.) (*)		18.67	15.42	21.87	19.57
	Without heater — L (qt.)		Base equipment			
	Opt. equipment-specify — L (qt.) (**)		18.38	15.15	21.59	19.28
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	38.1 (1.50)			
	Upper	Number and type (molded, straight)	One, molded			
		Inside diameter	38.1 (1.50)			
	By-pass	Number and type (molded, straight)	None	One, molded	None	
		Inside diameter		15.9 (.625)		
Radiator (Core)	Standard	Width	528 (20.8)		668(26.3)	
		Height	431 (16.97)		429(16.89)	431(16.97) (1)
		Thickness	31.5(1.24)		25(0.98)	31.5(1.24) (2)
	A/C	Width	528 (20.8)		668 (26.3)	
		Height	431 (16.97)		431(16.97)	429(16.89)
		Thickness	31.5(1.24)		31.5(1.24)	25(0.98)
	Heavy duty	Width	528 (20.8)		668 (26.3)	
		Height	431 (16.97)		429(16.89)	429(16.89) (2)
		Thickness	31.5(1.24)		25(.98)	49.8(1.96) (3)
Fan (Standard)	Number of blades & spacing		4, Staggered		4, Staggered	
	Diameter		483 (19.0)		483 (19.0)	
	Ratio — fan to crankshaft rev.		.95:1		.95:1	
	Fan cutout type		None		None	
	Drive Type-Number of Fans		'V' belt - one		'V' belt - one	
Fan (optional)	No. of blades and spacing		5		5	
	Diameter		508(20.0)		483 (19.0)	
	Ratio — fan to crankshaft rev.		.95:1		.95:1	
	Fan cut-out type		Clutch		Clutch	
	Drive Type-Number of Fans		'V' belt - one		'V' belt - one	

(*) Base transmission
(**) With air conditioning

(1) 16.89 in California
(2) .98 in California
(3) 1.58 in California

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year: 1980 Issued: 10/79 Revised (•):

Engine Description/Carb.	3.8 Liter V-6/2-bbl (229 CID) RPO LC3 All exc. California	3.8 Liter V-6/2-bbl (231 CID) RPO LD5 California

Vehicle Emission Control

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air Injection	Air Injection w/
	Air Injection Pump	Type		C-4 System
		Displacement — cm^3 (in^3)		(Computer Controlled
		Drive ratio		Catalytic Converter)
		Drive type		
		Relief valve (type)		
		Filter (describe)		
	Air Injection System	Air distribution (head, manifold, etc.)		
		Point of entry		
		Injection tube i.d.		
		Check valve type		
		Backfire protection (type)		
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow	
		Valve type	Vacuum modulated shut-off & metering valve	
		Valve location	Inlet manifold	
		Control energy source	Carburetor vacuum	
		Exhaust source	Manifold exhaust crossover	
		Exhaust cooler type	None	
		Orifice no. and size	One; 0.76 (0.030)	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold	
	Catalytic Converter System	Catalyst — Type	Platinum - Palladium	
		Catalyst — Volume — L (in^3)	2.6 (160)	4.26 (260)
		Substrate type	Bead	
		Container location	Beneath right front underbody	
	Other	Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission.	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year: 1980 Issued: 10/79 Revised (•):

Engine Description/Carb.			4.4 Liter V-8/2-bbl (267 CID) RPO L39	5.0 Liter V-8/4-bbl (305 CID) RPO LG4	
Vehicle Emission Control			All exc. California	All exc. Calif.	Calif. Only
Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air Injection	Air Injection	Air Injection w/ C-4 System (Computer Controlled Catalytic Converter)
	Air Injection Pump	Type			
		Displacement — cm^3 (in^3)			
		Drive ratio			
		Drive type			
		Relief valve (type)			
		Filter (describe)			
	Air Injection System	Air distribution (head, manifold, etc.)			
		Point of entry			
		Injection tube i.d.			
		Check valve type			
		Backfire protection (type)			
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow		
		Valve type	Vacuum modulated shut-off & metering valve		
		Valve location	Inlet manifold		
		Control energy source	Carburetor valve		
		Exhaust source	Manifold exhaust crossover		
		Exhaust cooler type	None		
		Orifice no. and size	One; 0.76 (0.030)		
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold		
	Catalytic Converter System	Catalyst — Type	Platinum - Palladium		
		Catalyst — Volume — L (in^3)	4.26 (260)		
		Substrate type	Bead		
		Container location	Beneath right front underbody		
	Other		Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydro-carbon emission.	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year: 1980 Issued: 10/79 Revised (•):

Engine Description / Carb.	3.8L V-6/2-b (229 CID) RPO LC3	3.8L V-6/2-b (231 CID) RPO LD5	4.4L V-8/2-b (267 CID) RPO L39	5.0L V-8/4-b (305 CID) RPO LG4

Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction system
			Optional	---
	Control Unit	Make and model		A.C.
		Location		Intake manifold | Valve rocker cover
		Energy source (manifold vacuum, carburetor, other)		
		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 — dm^3 (ft^3)		Approximately 10% of refill capacity
		Relief Pressure kPa (psi) and location		
		Vacuum relief kPa (psi) and location		
		Vapor-liquid separator type		Integral with fuel tank
		Vapor vented to (crankcase, canister, other)		Canister
	Carbu-etor	Vapor vented to (crankcase, canister, other)		Canister
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister
		Volume — dm^3 (ft^3) or capacity (grams)		Approx. 50 grams storage capacity
		Control valve type		Controlled by orifice and carburetor throttle body and trhottle blade position

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU MALIBU CLASSIC - EL CAMINO
Model Year: 1980 Issued: 10/79 Revised (•): 2/80

Engine Description/Carb.	3.8L V-6/2-b (229 CID) RPO LC3	3.8L V-6/2-b (231 CID) RPO LD5	4.4L V-8/2-B (267 CID) RPO L39	5.0L V-8/4-b (305 CID) RPO LG4

Electrical — Supply System

Battery	Make and Model	Delco 'Freedom'			
	Voltage Rtg.— V— & Total Plates	12-3200W	12-2500W	12V-3200 watts	
	SAE Designation No. and/or capacity	80 min. Res. Cap.	60 min. Res.Cap.	80 min. reserve capacity	
	Location	Engine compartment, right front			
Generator or Alternator	Make	Delco Remy			
	Model	1103161	1103044	1103162	
	Type and rating	37	42	37	
	Output at engine idle (neutral) A				
	Ratio — Gen. to Crls rev.	2.73:1	2.36:1	2.73:1	
Regulator	Make	Delco Remy			
	Model	---			
	Type	Micro circuit unit; integral with alternator			
	Regulated — Voltage	13.8-14.8			
	Regulated — Current A	---	---		
	Voltage test conditions — Temperature — °C (°F)	Operating			
	Voltage test conditions — Load A	3-8			
	Voltage test conditions — Other	---			

Electrical — Starting System

Starting Motor	Make	Delco Remy				
	Model	1109524	1109061	1109524		
Motor Drive	Engagement Type	Positive shift solenoid				
	Pinion engages from (front, rear)	Rear	Front	Rear		
	Number of teeth — Pinion	9				
	Number of teeth — Flywheel — Manual	153	--	--	168	
	Number of teeth — Flywheel — Auto	153	160	168		

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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•)

Engine Description/Carb.	3.8 V-6/2-bbl (229 CID) RPO LC3	3.8L V-6/2-bbl (231 CID) RPO LD5	4.4L V-8/2-bbl (267 CID) RPO L39	5.0L V-8/4-bbl (305 CID) RPO LG4

Electrical — Ignition System — Distributor

Distributor	Manual	1110752	---	--	1103384
	Automatic	1110752	(1110784)	1103382	1103384 (1103386)
Timing	Manual	10° BTC	---	---	4° BTC
	Automatic	10° BTC		4° BTC	4° BTC

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1103382	0 @ 1200	8 @ 1700	22 @ 4400	0 @ 13.5	14 @ 27.0
1103384	0 @ 800	16 @ 2000	20 @ 4000	0 @ 13.5	15 @ 40.5
1103386	0 @ 1000	10 @ 1700	20 @ 3800	0 @ 13.5	16 @ 25.3
1110752	0 @ 1200	7 @ 2400	14 @ 4100	0 @ 10.1	16 @ 21.9
1110784					

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Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•) 2/80

Engine Description / Carb.	3.8L V-6/2-b (229 CID) RPO LC3	3.8L V-6/2-b (231 CID) RPO LD5	4.4L V-8/2-b (267 CID) RPO L39	5.0L V-8/4-b (305 CID) RPO LG4

Electrical — Ignition System

Type	Conventional — Std., Opt., N.A.		---		
	Transistorized — Std., Opt., N.A.		---		
	Other (specify)		High Energy Ignition (H.E.I.)		
Coil	Make		Delco Remy		
	Model		Integral with distributor cap		
	Current	Engine stopped — A	---		
		Engine idling — A	---		
Spark Plug	Make		AC Spark Plug		
	Model		R45TS	R45TSX	R45TS
	Thread (mm)		14		
	Tightening torque — N-m (lb. ft.)		9-20 (7-15)		
	Gap		1.14 (.045)	1.52 (.060)	1.14 (.045)

Electrical — Suppression

Locations & type	

Electrical — Instrument and Equipment

Speed-ometer	Type	In-line with pointer
	Trip odometer (std., opt., N.A.)	NA
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
Wind-shield Wiper	Type — standard	Electric two-speed
	Type — optional	Intermittent windshield wiper system
	Blade length	457 (18.0)
	Swept area — cm^2 ($in.^2$)	Coupes & El Camino 6000 (930.3) Sedans & Wagons 5931 (919.5)
Wind-shield Washer	Type — standard	Push-button
	Type — optional	NA
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	Dual-1AW00 models; one (low note) on 1AT00 models
	Current draw (A) per horn	4.5-6.5 @ 12.5 volts
Other		Restraint system warning light and buzzer Parking brake and brake failure warning light Optional pkg., includes tachometer, voltmeter, oil pressure and coolant temperature gauges

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year: 1980 Issued: 10/79 Revised (•):

Engine Description/Carb	3.8L V-6/2-b (229 CID) RPO LC3	5.0L V-8/4-b (305 CID) RPO LG4	3.8L V-6/2-b (231 CID) RPO LD5	4.4L V-8/2-b (267 CID) RPO L39

Drive Units — Clutch (Manual Transmission)

Make & type		Chevrolet, single dry disc	
Type pressure plate springs		Diaphragm	
Total spring load — N (lb.)		9341-10230 (2100-2300)	
No. of clutch driven discs		One	
Clutch facing	Material	Woven type asbestos	
	Manufacturer	Chevrolet	
	Part Number		NOT AVAILABLE
	Rivets/Plate	40	
	Rivet size	4.75 x 5.28 (.187 x .208)	
	Outside & inside dia.	262.6 x 165.1 (10.34 x 6.50)	
	Total eff. area-cm^2 ($in.^2$)	655.2 (101.58)	
	Thickness	3.43 (.135)	
	Engagement cusion-method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

Drive Units — Transmissions

Manual 3-speed (std., optU, N.A.)	Std.	NA	NA
Manual 4-speed (std., opt., N.A.)	NA	Available	NA
Manual 5-speed (std., opt., N.A.)	N.A.		NA
Manual overdrive (std., opt., N.A.)	N.A.		NA
Automatic (std., opt., N.A.)	Available		Available

Drive Units — Manual Transmission

Number of forward speeds			3	4	
Transmission ratios	In first		3.50	2.85	
	In second		1.89	2.02	
	In third		1.00	1.35	
	In fourth		--	1.00	
	In fifth		--	--	
	In reverse		3.62	2.85	
Synchronous meshing, specify gears			All forward		
Shift lever location			Floor		NOT AVAILABLE
Lubricant	Capacity — L (pt.)		1.4 (3.0)	1.6 (3.4)	
	Type recommended		GL-5 gear lubricant		
	SAE viscosity number	Summer	80W or 80W-90		
		Winter	80W or 80W-90		
		Extreme cold	80W or 80W-90		

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METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued ~~10/79~~ Revised (•)

Engine Description / Carb.	3.8L V-6/2-b (229 CID) RPO LC3	3.8L V-6/2-b (231 CID) RPO LD5	4.4L V-8/2-b (267 CID) RPO L39	5.0L V-8/4-b (305 CID) RPO LG4

Drive Units — Automatic Transmission (See 'Power Teams' for transmission usage.)

Trade name		3-Speed automatic '350' & '350c', '250c'			
Type (describe)		Torque converter with planetary gears			
Selector location		Column mounted; floor mounted with optional console			
Gear Ratios	P	Park			
	R	1.93			
	N	Neutral			
	D	2.52-1.52-1.00			
	L2	2.52-1.52			
	L1	2.52			
Max. upshift speed — drive range — km/h (mph)					
Max. kickdown speed-drive range — km/h (mph)					
Torque Converter	Number of elements	3			
	Max. ratio at stall	2.0			
	Type of cooling (air, liquid)	Liquid			
	Nominal diameter	298 (11.75)	310 (12.2)	298 (11.75)	310 (12.2) & 11.75
Lubricant	Capacity — refill — L (pt.)	3.8 (6.6)			
	Type recommended	Dexron II			
Special transmission features		'250c' & '350c' incorporates converter lock-up final drive			

Drive Units — Axle

Type (front, rear)		Rear	
Description		Semi-floating axle shafts, overhung drive pinion and ring gear	
Limited Slip differential, type		Disc clutch	
Drive Pinion Offset		38.1 (1.50)	
No. of differential pinions		Two	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		Collapsible sleeve	
Wheel bearing type		Single row, cylindrical roller	
Lubricant	Capcity — L (pt.)	1.5 (3.25)	
	Type recommended	GL-5 gear lubricant	
	SAE viscosity number — Summer	80W or 80W-90	
	SAE viscosity number — Winter	80W or 80W-90	
	SAE viscosity number — Extreme cold	80W or 80W-90	

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

Axle Ratio (:1)		2.29	2.41	2.56	2.73	3.08
No. of teeth	Pinion	17	17	16	15	13
	Ring gear	39	41	41	41	40
Ring Gear O. D.		191 (7.50)				
Transaxle	Transfer Gear Radio	---				
	Final Drive Ratio	---				

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•)

Engine Description/Carb.	3.8 Liter V-6/2-bbl (229 CID) RPO LC3	5.0 Liter V-8/4-bbl (305 CID) RPO LG4

Drive Units — Automatic Transmission

Trade name		3-Speed automatic '200c'
Type (describe)		Torque converter with planetary gears
Selector location		Column mounted; floor mounted with optional console
Gear Ratios	P	Park
	R	2.07
	N	Neutral
	D	2.74-1.57-1.00
	L2	2.74-1.57
	L1	2.74
Max. upshift speed — drive range — km/h (mph)		
Max. kickdown speed-drive range — km/h (mph)		
Torque Converter	Number of elements	3
	Max. ratio at stall	2.35
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity — refill — L (pt.)	4.0 (7.5)
	Type recommended	Dexron II
Special transmission features		Converter lock-up final drive

Drive Units — Axle

Type (front, rear)			
Description			
Limited Slip differential, type			
Drive Pinion Offset			
No. of differential pinions			
Pinion adjustment (shim, other)			
Pinion bearing adj. (shim, other)			
Wheel bearing type			
Lubricant	Capcity — L (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

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

Axle Ratio		
No. of teeth	Pinion	
	Ring gear	
Ring Gear O. D.		
Transaxle	Transfer Gear Radio	
	Final Drive Ratio	

MVMA Specifications Form
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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•) ____

Engine Description/Carb	3.8L V-6/2-b (229 CID) RPO LC3	3.8L V-6/2-b (231 CID) RPO LD5	4.4L V-8/2-b (267 CID) RPO L39	5.0L V-8/4-b (305 CID) RPO LG4

Drive Units — Propeller Shaft

Number used			One		
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Right	---		
		Left	---		
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.		Same as Automatic	N.A.	
	Manual 4-speed trans.		N.A.		Same as Automatic
	Manual 5-speed trans.		Not available		
	Overdrive		Not available		
	Automatic transmission		Models 19,27,35 - 63.5 x 1331.5 x 1.65 (2.5 x 52.4 x .065) Model 80 - 82.6 x 1560.1 x 1.65 (3.25 x 61.4 x .065)		
Inter-mediate bearing	Type (plain, anti-friction)		None		
	Lubrication (fitting prepack)		---		
Slip Yoke	Type		Yoke		
	Number of teeth		27		
	Spline O.D.				
Universal joints	Make and Mfg. No.	Inner	Saginaw 44		
		Outer			
	Number used		Two		
	Type (ball and trunnion, cross)		Single Cardan		
	Rear attach (u-bolt, clamp, etc.)		Strap and bolt		
	Bearing	Type (plain, anti-friction)	Anti-friction		
		Lubric. (fitting, prepack)	Prepack		
Drive taken through (torque tube or arms, springs)			Control arms		
Torque taken through (torque tube or arms, springs)			Control arms		

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

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Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•)

Engine Description / Carb.	Sedan & Coupe	Station Wagon	Sedan Pick-up

Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply		P185/75R-14	P195/75R-14	P205/75R-14
	Type (bias, radial, etc.)		Glass belted radial		Steel belted radial
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	200 (29)	180 (26)	180 (26)
		Rear-kPa (psi)	240 (35)	200 (29)	240 (35)
	Rev./mile—at 70 km/h (45 mph)		520 (835)	508 (815)	508 (818)
WHEELS	Type & material		Short spoke disc, steel		
	Rim (size & flange type)		14 x 6		
	Wheel offset		'0'		
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	120.7 (4.75)		
		Number & size	5 hex nuts - 7/16-20		
	Spare wheel (same or other)		15 x 4 (25 mm offset)		Same

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P195/75R-14
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	Rally type steel
Rim (size, flange type, and offset)	14 x 6 - '0'
Size, load range, ply	P205/70R-14 (a)
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	Sedan, Coupe & Station Wagon
Type (bias, radial, etc.)	Standard - compact T125/70D-15
Wheel type & material	Limited slip differential - stowaway P195/75D-14
Rim (size, flange type, and offset)	Sedan pick-up - ground tire
Tire Size	
	TIRE SIDEWALL AVAILABILITY
	Blackwall - standard
Size, load range, ply	White stripe - optional (glass belted radial)
Type (bias, radial, etc.)	Wide white stripe - optional (steel belted radial)
Wheel type & material	White lettered - optional (P205/75R-14) - Pickup
Rim (size, flange type, and offset)	(P205-70R14) Sed. & Coupe

Brakes — Parking

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

(a) Available on sedans and coupes with RPO F41 sport suspension.

MVMA Specifications Form
Passenger Car
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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Body Type And/Or Engine Displacement

Coupe, Sedan, Station Wagon & El Camino

Brakes — Service

Brake Type (std., Opt., N.A.)	Drum	Front		N.A.
		Rear		Std.
	Disc	Front		Std.
		Rear		N.A.
Self-adjusting (std., opt., N.A.)				Std.
Special Valving	Type (proportion, delay, metering, other)			Metering & proportioning
Power Brake (std., opt., N.A.)				Std.
Booster Type (remote, integral, vac., hyd., etc.)				Integral
Anti-skid device type (std., opt., N.A.)				N.A.
Effective area — cm^2 ($in.^2$)*				615.5 (95.42)
Gross lining area — cm^2 ($in.^2$)**				691.6 (107.23)
Swept area — cm^2 ($in.^2$)***				1985.1 (307.77)
Rotor	Outer working diameter		F	266.7 (10.5)
			R	--
	Thickness		F	26.2 (1.03)
			R	--
	Material & type (vented/solid)		F	Cast iron, vented
			R	--
Drum	Diameter (nominal)		R	241 (9.5)
	Type and material			Finned - cast iron
Wheel cylinder bore	Front			63.5 (2.50)
	Rear			19.1 (0.75)
Master Cylinder	Bore			24.0 (.94)
	Stroke			33.33 (1.31)
Pedal arc ratio				3.5:1
Line pressure at 445 N (100 lb.) pedal load—MPa (psi)				
Lining Clearance Per Shoe	Front			Self adjusting
	Rear			Self adjusting
Brake lining	Front Wheel	Bonded or riveted, rivets/seg.		Riveted, 8
		Rivet size		5.33 x 7.92 (.210 x .312)
		Manufacturer		Delco Moraine
		Lining Code		Man. inboard-GM110FF, Outboard-GM116FE; Power-GM333EE
		Material		Molded asbestos
		**** Size	Prim. or out-board	125 x 48.4 x 11.04 (4.92 x 1.91 x .435)
			Second or in-board	125 x 48.4 x 11.04 (4.92 x 1.91 x .435)
		Shoe thickness (no lining)		Inboard - 15.84 (.620); Outboard - 13.97 (.550)
	Rear Wheel	Bonded or riveted, rivets/seg.		Riveted, 10 primary, 12 secondary
		Manufacturer		Delco Moraine
		Lining Code		Primary - GM224FF; Secondary - GM235FF
		Material		Molded asbestos
		**** Size	Prim. or out-board	192.5 x 51.0 x 4.98 (7.58 x 2.0 x .196)
			Second or in-board	249.6 x 51.0 x 6.75 (9.83 x 2.0 x .266)
		Shoe thickness (no lining)		9.7 (.38)

*Excludes rivet holes, grooves, chamfers, etc.

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

***Total swept area for four braks. (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 z/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•) _____

Steering

				V-8 Equipped Sedans/Coupes	V-6 Equipped Wagon/Pickup	V-6 Equipped Sedan/Coupe	V-8 Equipped Wagon/Pickup
Manual (std., opt., N.A.)				Standard			
Power (std., opt., N.A.)				Opt.; required option all V-8 w/air conditioning			
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt-universally jointed steering shaft at base of steering wheel-5" vertical travel range-6 positions			
		(Std., opt., N.A.)		Optional			
Wheel diameter		Manual		387 (15.0)			
		Power		387 (15.0)			
Turning diameter m (feet)	Outside front	Wall to wall (l. & r.)		12.2 (40.05) (a)		13.0 (42.66) (b)	
		Curb to curb (l. to r.)		11.3 (37.19) (a)		12.2 (39.89) (b)	
	Inside rear	Wall to wall (l. to r.)					
		Curb to curb (l. to. r.)					
Manual	Gear	Type		Semi-reversible, recirculating ball nut			
		Make		Saginaw Steering Gear			
		Ratios	Gear	24.0:1			
			Overall	28.0:1			
	No. wheel turns (stop to stop)			5.3			
Power	Type (coaxial, linkage, etc.)			Integral gear with power piston & vane type pump			
	Make			Saginaw Steering Gear			
	Gear	Type		Semi-reversible recirculating ball nut			
		Ratios	Gear	15.0:1	15.0:1	16.0/13.0:1	15.0/13.0:1
			Overall	16.5:1	17.5:1	17.6:1	16.4:1
	Pump driven by			Crankshaft pulley			
	No. wheel turns (stop to stop)			3.3			3.2
Linkage	Type			Parallel-o-gram			
	Location (front or rear of wheels, other)			Front			
	Drag links (trans. or longit.)			None			
	Tie rods (one or two)			Two			
Steering Axis	Inclination at camber (deg.)			7.86			
	Bearings (type)	Upper		Ball stud			
		Lower		Ball stud			
		Thrust		None			
Steering spindle & joint type				Forging with pad for mounting brake cylinder spherical			
Wheel Spindle	Diameter	Inner bearing		31.7474-31.7271 (1.25)			
		Outer bearing		21.0471-21.4274 (0.83-0.84)			
	Thread size			3/4-20 UNEF-3A (modified)			
	Bearing type			Tapered roller			
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)		Manual - 0 to +2; Power - +2 to +4			
		Camber (deg.)		-0.3 to +1.3			
		Toe-in [outside track-mm (in.)]		.05 to + 0.25			
	Service reset	Caster		Manual - +1 ± 0.5; Power - +3 ± 0.5			
		Camber		+0.5 ± 0.5			
		Toe-in		+.15 ± .05			
	Periodic M.V. Inspection	Caster		Manual - -1 to +3; Power +1 to +5			
		Camber		-1.0 to +2.0			
		Toe-in		-0.15 to + 0.55			

(a) Sedan, Coupe & Station Wagon models.
(b) El Camino models.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year: 1980 Issued: 10/79 Revised (•):

Body Type And/Or Engine Displacement

Sedan & Coupe	Station Wagon	Sedan Pick-up

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		Front suspension geometry
Provision for acc. squat control		Rear suspension geometry
Special provisions for car jacking		Position jack in bumper slot on lower face of front and rear bumpers
Shock absorber front & rear	Type	Direct, double acting, hydraulic
	Make	Delco
	Piston dia.	25 (1.0)
Other special features		Air adjuster rear shock absorbers std. on El Camino

Suspension — Front

Type and description		Independent SLA		
Travel	Full Jounce	90 (3.54)		
	Full Rebound	92 (3.62)		
Spring	Type (coil, leaf, other)	Coil		
	Material	Steel alloy		
	Size (coil design height & I.D., bar length x dia.) (b)	260 x 102.9 x 2953 x 15.6 (10.2 x 4.05 x 116.3 x .610)	260 x 102.9 x 2548 x 15.6 (10.2 x 4.05 x 100.3 x .610)	
	Spring rate — N/mm (lb./in.)	52.5 (300)	64 (365)	
	Rate at wheel — N/mm (lb./in.)	15.6 (89)	18.6 (106)	
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	Steel - V-6 - 25 (1.0) V-8 - 27 (1.06) RPO F41-32 (1.26)	V-6 - 27 (1.06) V-8 - 29 (1.14)	V-6 - 25 (1.0) V-8 - 27 (1.06) RPO F41-29 (1.14)

Suspension — Rear

Type and description			Salisbury, 4-link type		
Drive and torque taken through			Control arms		
Travel	Full Jounce		107 (4.21)		
	Full Rebound		113 (4.45)		
Spring	Type (coil, leaf, other)		Coil		
	Material		Steel alloy		
	Size (length x width, coil design height & I.D., bar length & dia. (b)		254 x 139.7 x 2428 x 12.8 (10.0 x 5.5 x 95.6 x .504)	254 x 139.7 x 2535 x 14.2 (10.0 x 5.5 x 99.8 x .558)	
	Spring rate — N/mm (lb./in.)		17.5 (100)	24.5 (140)	21.9 (125)
	Rate at wheel — N/mm (lb./in.)		17.9 (102)	23.4 (133.6)	21.3 (121)
	Mounting insulation type		Rubber insulators between frame & spring seat		
	If leaf	No. of leaves	---		
		Shackle (comp. or tens.)	---		
Stabilizer	Type (link, linkless, frameless) (a)		Link-included w/RPO F41 sport suspension (19-27 models)		
	Material & bar diameter		Steel; 22 (0.87)		
Track bar type			None		

(a) Not available with V-6 engines, on P185/75 or P195/75 tires.
(b) For base equipped model. Springs for all models are computer selected by size and rate according to vehicle weight including optional equipment.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Body Type

4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pick-up

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood Hinge Location		Rear
Hood counterbalance (type)		Flat plate coil spring, hold-open linkage
Hood release control (internal, external)		Internal
Vehicle Ident. No. Location		Top left of instrument panel pad
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	Pivot type for sedans and wagons-power optional
Seat cushion type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	--
Seat back type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	--
Method of holding luggage compart. lid open		Boxed hinges with torsion rod
Position of spare tire storage		Sedans and coupes - semi-vertical right rear trunk area
		Station wagons - horizontal, under rear load floor
		El Camino - horizontal, behind passenger's seat

Frame

Type and description (Separate frame, unitized frame, partially-unitized frame)	Full frame, perimeter type

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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•)

Body Type			
4-Door Sedan	2-Door Coupes	Station Wagons	Sedan Pick-up

Convenience Equipment

Power windows	Side Windows	Optional
	Vent Windows	Rear vent windows for sedans and wagons - optional
	Backlight or tailgate	Optional
Power seats (specify type as well as availability)		Optional - 6-way power bench seat, all Malibu Classic models 6-way 50/50 power bench seat, power driver seat only (a)
Reclining front seat back (R-L or both)		NA
Radios (specify type as well as availability)		Optional - AM-push-button, AM/FM-push-button, AM/FM stereo, AM Radio with stereo 8-tract tape, AM/FM stereo with tape (b) (c)
Rear seat speaker		Optional, not available with El Camino
Power antenna		Optional
Clock		Optional
Air Conditioner (specify type)		Optional - "four season" manual control
Speed warning device		NA
Speed control device		Optional with automatic transmission
Ignition lock lamp		NA
Dome lamp		Standard
Glove compartment lamp		Standard 1AW19, 27, 35, 80 - Optional 1AT19, 27, 35
Luggager compartment lamp		Optional except 35 and 80 models
Underhood lamp		Optional
Courtesy lamp		Standard 1AW19, 27, 35, 80 - Optional 1AT19, 27, 35
Map lamp		NA
Cornering lamp		NA
Rear window defroster electrically heated		Optional - not available with El Camino
Rear window defogger		Optional (19-27 models only)
Theft protection — type		Lock mounted on steering column; locks steering wheel, Transmission shift lever and ignition
Ash tray lamp		Standard 1AW00 models, optional 1AT00 models

(a) - Models 1AW19, 27, 35 & 80.

(b) - AM/FM stereo radio with stereo cassette player
- AM/FM stereo radio with citizen's band transceiver
- AM/FM monaural radio with citizen's band transceiver
- AM/FM stereo radio with clock and digital display

(c) - Stereo equipment includes 2 front and 2 rear speakers.
El Camino, front only.

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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•) 2/80

• Vehicle Mass (Weight)

Model	CURB MASS, kg. (Weight, lb.)*			% PASS. WEIGHT DISTRIBUTION				SHIPPING MASS, kg (Weight, lb.)**
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
MALIBU								
4-Door Sedan 1AT19	750.0 (1653)	653.3 (1440)	1403.3 (3093)					1361.4 (3001)
2-Door Coupe 1AT27	756.0 (1667)	645.1 (1422)	1401.1 (3089)					1359.2 (2996)
4-Door, 2-Seat Station Wagon 1AT35	729.0 (1607)	739.0 (1629)	1468.0 (3236)					1425.5 (3143)
MALIBU CALSSIC								
4-Door Sedan 1AW19	756.0 (1667)	661.3 (1458)	1417.3 (3125)					1375.4 (3032)
2-Door Coupe 1AW27	764.0 (1684)	651.4 (1436)	1415.4 (3120)					1373.5 (3028)
4-Door, 2-Seat Station Wagon 1AW35	735.0 (1620)	744.4 (1641)	1479.4 (3261)					1436.9 (3168)
EL CAMINO								
2-Door, Sedan Pick-up 1AW80	818.0 (1803)	628.2 (1385)	1446.2 (3188)					1405.4 (3098)

CURB WEIGHT - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oils, lubes, coolants, and fuel all filled to capacity.

SHIPPING WEIGHT - Same as base curb weight except 3 gallons of gasoline.

*Reference — SAE J1100a, Motor Vehicle Dimensions, Curb Weight Definition.
**Shipping Mass (Weight) definition—

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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (•)

Equipment Differential Mass (Weights)	Optional Equipment Mass (Weight)* MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Air Conditioning	25.6	1.8	27.4	With RPO LD5 V6 Engine
4-Season	(+56.4)	(+4.0)	(+60.4)	
	33.6	2.6	36.2	With RPO LC3 V6 Engine
	(+74.1)	(+5.7)	(+79.8)	
	24.6	2.0	26.6	With V8 Engine
	(+54.2)	(+4.4)	(+58.6)	
Electric Door Locks	1.2	0.8	2.0	2-Door Models
	(+2.6)	(+1.8)	(+4.4)	
	1.4	1.4	2.8	4-Door Models
	(+3.1)	(+3.1)	(+6.2)	
Power Tailgate Release	0	1.0	1.0	Station Wagons
	(0)	(+2.2)	(+2.2)	
Power Steering	13.6	0	13.6	V6 Engine - without Air Conditioning
	(+30)	0	(+30)	
Vinyl Roof Cover (Padded)	1.6	1.6	3.2	All except 35 & 80 models
	(+3.5)	(+3.5)	(+7.0)	
Floor Mats Front & Rear	2.0	1.2	3.2	Front only for 80 model
	(+4.0)	(+3.0)	(+7.0)	
Special Front & Rear Suspension	2.4	6.8	9.2	All except 35 & 80 models
	(+5.3)	(+15.0)	(+20.3)	
Wheel Trim Covers	0.6	0.6	1.2	Optional on 1AT19, 27 models
	(+1.3)	(+1.3)	(+2.6)	
Bumper Impact Strips	1.2	1.2	2.4	
	(+2.5)	(+2.5)	(+5.0)	
Bumper Guards Front & Rear	1.6	1.6	3.2	
	(+3.5)	(+3.5)	(+7.0)	
Roof Luggage Carrier	1.4	5.6	7.0	Station Wagons
	(+3.1)	(+12.3)	(+5.4)	
Front Compartment Console	2.2	0.6	2.8	With 3 & 4 Speed Transmission
	(+5.0)	(+1.0)	(+6.0)	
	4.6	1.6	6.2	With Automatic Transmission
	(+10.0)	(+3.5)	(+13.5)	

*Also see Engine — General Section for dressed engine mass (weight).

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Model Year 1980 Issued 10/79 Revised (•) _____

Optional Equipment Mass (Weight)*

Equipment Differential Mass (Weights)	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Radio AM Push-Button	2.0	0.2	2.2	
	(+4.5)	(+0.3)	(+4.8)	
Radio AM/FM Push-Button	2.2	0.6	2.8	
	(+4.9)	(+1.3)	(+6.2)	
Radio AM/FM Stereo	4.8	1.0	5.8	
	(+10.6)	(+2.2)	(+12.8)	
Radio AM Push-Button Stereo Tape Player	5.2	1.0	6.2	
	(+11.5)	(+2.2)	(+13.7)	
Radio AM/FM Push-Button Stereo Tape Player	5.4	1.0	6.4	
	(+11.9)	(+2.2)	(+14.1)	
Radio AM/FM Stereo with Cassette Player	4.6	1.6	6.2	
	(+10.1)	(+3.6)	(+13.7)	
Radio AM/FM Monaural with Citizen's Band Transceiver	2.4	0.6	3.0	
	(+5.3)	(+1.3)	(+6.6)	
Radio AM/FM Stereo with Citizen's Band Transceiver	5.2	0.8	6.0	
	(+11.5)	(+1.7)	(+13.2)	
Radio, AM/FM Stereo with Clock and Digital Display	5.2	0.8	6.0	
	(+11.5)	(+1.7)	(+13.2)	
Auxiliary Speaker-Rear	0	1.0	1.0	All except El Camino
	(0)	(+2.2)	(+2.2)	
Rally Wheel	2.7	2.7	5.4	
	(+5.95)	(+5.95)	(+11.9)	
3.8 Liter-V6, (231 CID) RPO LD5	-5.6	-0.8	-6.4	Sedans & Coupes
	(-12.3)	(-1.8)	(-14.1)	
	-3.6	-0.8	-4.4	El Camino
	(-7.9)	(-1.8)	(-9.7)	
	-8.0	-0.8	-8.8	Station Wagon
	(-17.6)	(-1.8)	(-19.4)	
4.4 Liter - V8, (267 CID) RPO L39	56.0	2.6	58.6	Sedans & Coupes
	(+123.5)	(+5.7)	(+129.2)	
	56.4	2.9	59.3	Station Wagons & El Camino
	(+124.3)	(+6.4)	(+130.7)	

*Also see Engine — General Section for dressed engine mass (weight).

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Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year: 1980 Issued: 10/79 Revised (•)

Optional Equipment Mass (Weight)*

Equipment Differential Mass (Weights)	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
5.0 Liter - V8 (305 CID)	74.8	4.0	78.8	Sedans & Coupes
RPO LG4	(+164.9)	(+8.8)	(+173.7)	
	56.4	2.9	59.3	Station Wagons & El Camino
	(+124.3)	(+6.4)	(+130.7)	
Automatic Trans.	9.1	4.1	13.2	Sedans & Coupes & Station Wagons
RPO MV4)	(+20)	(+9)	(+29)	V8 (RPO LG4 & L39) (Sed & Cpe)
	11.6	3.6	15.2	El Camino V8 (RPO LG4)
	(+25.6)	(+7.9)	(+33.5)	
Automatic Trans.	-2.0	0	-2.0	Sedans & Coupe V6 (RPO LC3/ RPO LG4)
(RPO MV9)	(+4.4)	(0)	(-4.4)	
	-1.2	-0.4	-1.6	Station Wagons & El Camino V8 (RPO LG4
	(-2.6)	(-0.9)	(-3.5)	& LC3)
Automatic Trans.	2.3	0	2.3	Sedans & Coupes V8 (RPO LG4 & L39)
(RPO M31)	(+5)	(0)	(+5)	
	2.3	0.4	2.7	Station Wagons & El CAmino V8 (RPO LG4)
	(+5)	(+1)	(+6)	
Automatic Trans.	15.4	5.4	20.8	Sedans & Coupes V6 (RPO LD5)
(RPO M33)	(+34)	(+12)	(+46)	
	15.4	5.4	20.8	Station Wagons & El Camino V6 (RPO LD5)
	(+34)	(+12)	(+46)	
	6.8	3.2	10.0	Sedans & Coupes, Sta. Wgns V8 (RPO LG4)
	(+15)	(+7)	(+22)	
	9.1	3.2	12.3	El Camino V8 (RPO LG4
	(+20)	(+7)	(+27)	
Automatic Trans.	9.1	3.2	12.3	Sedans & Coupes, Wagons & El Camino
(RPO M38)	(+20)	(+7)	(+27)	V6 (RPO LD5)
	9.1	3.2	12.3	El Camino V8 (RPO L39 & LG4)
	(+20)	(+7)	(+27)	
	6.8	3.2	10.0	Sedans & Coupes, Station Wagons & LG4
	(+15)	(+7)	(+22)	V8 (RPO L39,

*Also see Engine — General Section for dressed engine mass (weight).

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Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Car and Body Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.
SAE Ref. No. refers to the definition published in SAE Recommended Practice.
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

	SAE Ref. No.	Body Type: 4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pick-up
Width					
Tread — Front	W101	1486 (58.5)			
Tread — Rear	W102	1467 (57.8)			
Vehicle width	W103	1816 (71.5)		1809 (71.2)	1826 (71.9)
Body width at Sg RP — front	W117	1774 (69.8)	1776 (69.9)	1774 (69.8)	1776 (69.9)
Vehicle width — front doors open	W120	3376 (132.9)	4002 (157.6)	3376 (132.9)	4002 (157.6)
Vehicle width — rear doors open	W121	3225 (127.0)	--	3225 (127.0)	--
Length					
Wheelbase	L101	2745 (108.1)			2974 (117.1)
Vehicle length	L103	4895 (192.7)		4911 (193.4)	5121 (201.6)
Overhang — front	L104	915 (36.0)			
Overhang — rear	L105	1235 (48.6)		1251 (49.3)	1232 (48.5)
Upper structure length	L123	2603 (102.5)	2544 (100.2)	3261 (128.4)	1500 (59.1)
Rear wheel C/L "X" coordinate	L127	2377 (93.6)			
Cowl point "X" coordinate	L125	158 (6.2)			
Height*					
Passenger Distribution (frt./rear)	PD1,2,3	2-3			2-0
Trunk/Cargo load		0			
Vehicle height	H101	1376 (54.2)	1354 (53.3)	1384 (54.5)	1366 (53.8)
Cowl point to ground	H114	976 (38.4)		977 (38.4)	979 (38.6)
Deck point to ground	H138				
Rocker panel front to ground	H112	222 (8.7)		252 (9.9)	226 (8.9)
Bottom of door closed-front to grd.	H133	269 (10.6)		274 (10.8)	269 (10.6)
Rocker panel rear to ground	H111	225 (8.9)	224 (8.8)	247 (9.7)	233 (9.2)
Bottom of door closed-rear to grd.	H135	271 (10.7)	---	279 (11.0)	--
Ground Clearance*					
Front bumper to ground	H102	350 (13.8)		353 (13.9)	350 (13.8)
Rear bumper to ground	H104	336 (13.2)		346 (13.6)	347 (13.7)
Bumper to ground — front at curb mass (wt.)	H103	373 (14.7)		373 (14.7)	373 (14.7)
Bumper to ground — rear at curb mass (wt.)	H105	378 (14.9)		378 (14.9)	377 (14.8)
Angle of approach	H106	20° 02'		20° 13'	20° 06'
Angle of departure	H107	15° 26'		15° 30'	15° 16'
Ramp breakover angle	H147	14° 24'		14° 30'	13° 45'
Rear axle differential to ground	H153	146 (5.8)		186 (7.3)	161 (6.3)
Min. running ground clearance	H156	137 (5.4)		145 (5.7)	147 (5.8)
Location of min. run. grd. clear.		Rear shock absorber bracket			

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

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Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type: 4-Door Sedans		2-Door Coupes	
Front Compartment		1AT19	1AW19	1AT27	1AW27
Sg RP front, "X" coordinate	L31	1088 (42.8)			
Effective head room	H61	983 (38.7)	977 (38.5)	962 (37.9)	956 (37.6)
Effective T Point head room	H75	990 (39.0)	984 (38.7)	967 (38.1)	961 (37.8)
Max. eff. leg room — accelerator	L34	1086 (42.8)			
Sg RP — front to heel	H30	228 (9.0)			
Design H-point front travel	L17	171 (6.7)			
Shoulder room	W3	1456 (57.3)		1442 (56.8)	
Hip room	W5	1326 (52.2)		1314 (51.7)	
Upper body opening to ground	H50	1278 (50.3)		1275 (50.2)	
Steering Wheel Angle	H18	19.5°			
Back Angle	L40	26.5°			
Rear Compartment					
Sg RP Point couple distance	L50	827 (32.6)		791 (31.1)	
Effective head room	H63	957 (37.7)	951 (37.4)	961 (37.8)	955 (37.6)
Effective T Point head room	H76	963 (37.9)	957 (37.7)	952 (37.5)	946 (37.2)
Min. effective leg room	L51	965 (38.0)		892 (35.1)	
Sg RP — second to heel	H31	298 (11.7)		268 (10.5)	
Knee clearance	L48	44 (1.7)		30 (1.2)	
Compartment room	L3	705 (27.7)		678 (26.5)	
Shoulder room	W4	1450 (57.1)		1411 (55.6)	
Hip room	W6	1412 (55.6)		1384 (54.5)	
Upper body opening to ground	H51	1278 (50.3)		--	
Luggage Compartment					
Usable luggage capacity — L(cu. ft.)	V1	469 (16.6)			
Liftover height	H195	785 (30.9)			

All linear dimensions are in millimeters (inches).

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Seat and Body Dimensions See Key Sheets for definitions

Car Line: MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year: 1980 Issued: 10/79 Revised (•):

	SAE Ref. No.	Body Type: 4-Door Station Wagons		2-Door Sedan Pick-up
Front Compartment		1AT35	1AW35	1AW80
Sg RP front, "X" coordinate	L31	1088 (42.8)		
Effective head room	H61	985 (38.8)	979 (38.5)	964 (38.0)
Effective T Point head room	H75	990 (39.0)	984 (38.7)	962 (37.9)
Max. eff. leg room — accelerator	L34	1086 (42.8)		
Sg RP — front to heel	H30	228 (9.0)		
Design H-point front travel	L17	171 (6.7)		
Shoulder room	W3	1456 (57.3)		1442 (56.8)
Hip room	W5	1326 (52.2)		1314 (51.7)
Upper body opening to ground	H50	1282 (50.5)		1278 (50.3)
Steering Wheel Angle	H18	19.5°		
Back Angle	L40	26.5°		
Rear Compartment				
Sg RP Point couple distance	L50	791 (31.1)		
Effective head room	H63	985 (38.8)	979 (38.5)	
Effective T Point head room	H76	991 (39.0)	985 (38.8)	
Min. effective leg room	L51	912 (35.9)		
Sg RP — second to heel	H31	298 (11.7)		
Knee clearance	L48	12 (0.5)		
Compartment room	L3	687 (27.0)		
Shoulder room	W4	1450 (57.1)		
Hip room	W6	1412 (55.6)		
Upper body opening to ground	H51	1290 (50.8)		
Luggage Compartment				
Usable luggage capacity — L(cu. ft.)	V1	--		1005.4 (35.5)
Liftover height	H195	--		635 (25.0)

All linear dimensions are in millimeters (inches).

MVMA Specifications Form
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Car and Body Dimensions See Key Sheets for definitions

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

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SAE Ref. No.	Body Type: Station Wagon	
	1AT35	1AW35

Station Wagon — Third Seat

Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	NOT
Effective head room	H86	APPLICABLE
Effective T Point head room	H89	
Seat facing direction	SD1	

Station Wagon — Cargo Space

Cargo length — open — front	L200	2639 (103.9)	
Cargo length — open — second	L201	1840 (72.4)	
Cargo length — closed — front	L202	2064 (81.2)	
Cargo length — closed — second	L203	1265 (49.8)	
Cargo length at belt — front	L204	1852 (72.9)	
Cargo length at belt — second	L205	1023 (40.3)	
Cargo width — wheelhouse	W201	1108 (43.6)	
Rear opening width at floor	W203	1372 (54.0)	
Opening width at belt	W204	1312 (51.6)	
Max. rear opening width above belt	W205	1006 (39.6)	
Cargo height	H201	763 (30.0)	757 (29.8)
Rear opening height	H202	706 (27.8)	
Tail gate to ground height	H250	623 (24.5)	
Front seat back to load floor height	H197		
Cargo volume index — m^3 ($ft.^3$)	V2	2049L (72.4)	2033L (71.8)
Hidden cargo volume — m^3 ($ft.^3$)	V4		

Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat Back Height	L208	NOT
Cargo length at floor — front	L209	APPLICABLE
Cargo volume index — m^3 ($ft.^3$)	V3	
Hidden cargo volume — m^3 ($ft.^3$)	V4	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All dimensions are in millimeters (inches).

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO

Model Year 1980 Issued 10/79 Revised (•) _____

Car and Body Dimensions See Key Sheets for definitions

Body Type		
4-Door Sedans	2-Door Coupes	Station Wagons

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
Front	X - Fiducial mark to vertical base grid line-front, measured horizontally from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. Y - Fiducial mark to centerline of car-front, width measurement made from centerline of car to fiducial mark located on top of the front seat adjuster mounting bolt. Z - Fiducial mark to horizontal base grid line-front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear	X - Fiducial mark to vertical base grid line-rear measured horizontally from base grid line to the rear fiducial mark located on rear underbody crossbar. Y - Fiducial mark to centerline of car-rear, width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar. Z - Fiducial mark to horizontal base grid line-rear, measured vertically from base grid line to the rear fiducial mark located on rear underbody crossbar.

Fiducial Mark Number					
Front	W21	Y		564 (22.2)	
	L54	X		2761 (108.7)	
	H81	Z		490 (19.29)	
	H161	CURB	350.30 (13.79)	350.30 (13.79)	350.07 (13.78)
	H163	DESIGN	319.53 (12.58)	325.12 (12.80)	322.68 (12.70)
Rear	W22	Y	534 (21.02)	560 (22.05)	586 (23.07)
	L55	X	5338 (210.16)	5345 (210.43)	5650 (222.44)
	H82	Z	617 (24.29)	617 (24.29)	617 (26.42)
	H162	CURB	491.48 (19.75)	491.51 (19.35)	546.61 (21.52)
	H164	DESIGN	449.35 (17.69)	459.28 (18.09)	525.92 (20.71)

*Reference — SAE Recommended Practice, J182a, A Motor Vehicle Fiducial Marks — September, 1973.
All linear dimensions are in millimeters (inches).

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Car and Body Dimensions See Key Sheets for definitions

Car Line MALIBU - MALIBU CLASSIC - EL CAMINO
Model Year 1980 Issued 10/79 Revised (*) _____

	SAE Ref. No.	Body Type: 4-Door Sedans	2-Door Coupes	Station Wagons	Sedan Pick-up
Glass					
Backlight slope angle	H121	52.0°	56.0°	37.5°	20.0°
Windshield slope angle	H122	55.5°	59.5°	55.5°	59.5°
Tumble-Home	W122	24.5°	23.5°	24.5°	23.5°
Windshield glass exposed surface area — cm^2 ($in.^2$)	S1	8111.1(1257.2)	8786.3(1361.9)	8111.1(1257.2)	8786.3(1361.9)
Side glass exposed surface area — cm^2 ($in.^2$)	S2	11822.9(1832.5)	11467(1777.4)	15637(2423.7)	6944.0(1076.3)
Backlight glass exposed surface area — cm^2 ($in.^2$)	S3	6776 (1051)	6998 (1084.7)	6167 (955.9)	3314 (513.7)
Total glass exposed surface area — cm^2 ($in.^2$)	S4	26710.0(4140.7)	27251.3(4224.0)	29915.1(4636.8)	19044.3(2951.9)
Windshield glass type		Curved - laminated plate			
Side glass type		Curved - tempered plate			
Backlight glass type		Curved - tempered plate			
Lamps and Headlamp Shape*					
Height above ground to center of bulb or marker — Headlamp (H127)	Highest**	677 (26.7)		679 (26.7)	678 (26.7)
	Lowest	--		--	--
Tail (H128)	Highest	623 (24.5)		408 (16.1)	411 (16.2)
	Lowest	--		--	--
Sidemarker	Front	581 (22.9)		623 (24.5)	621 (24.4)
	Rear	623 (24.5)		419 (16.5)	405 (15.9)
Distance from C/L of car to center of bulb — Headlamp	Inside				
	Outside**				
Tail	Inside				
	Outside				
Directional	Front				
	Rear				
Headlamp Shape		Rectangular			

*Measured at curb mass (weight).
**If single headlamps are used enter here

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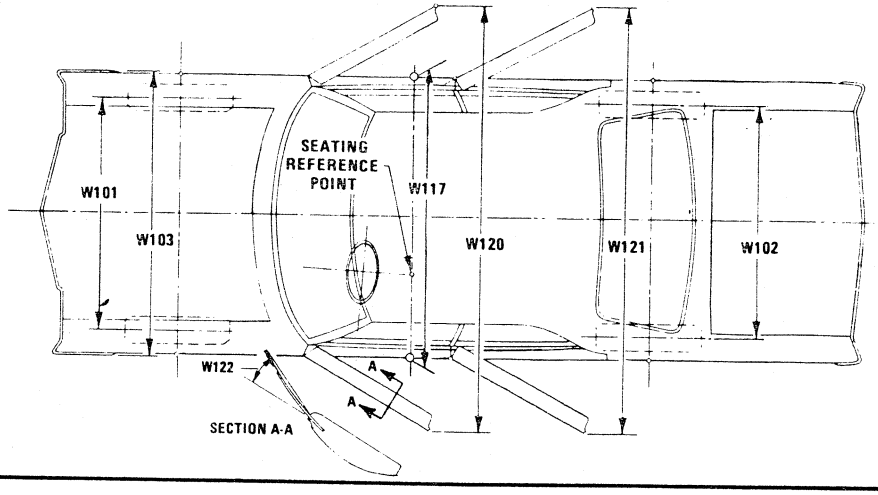
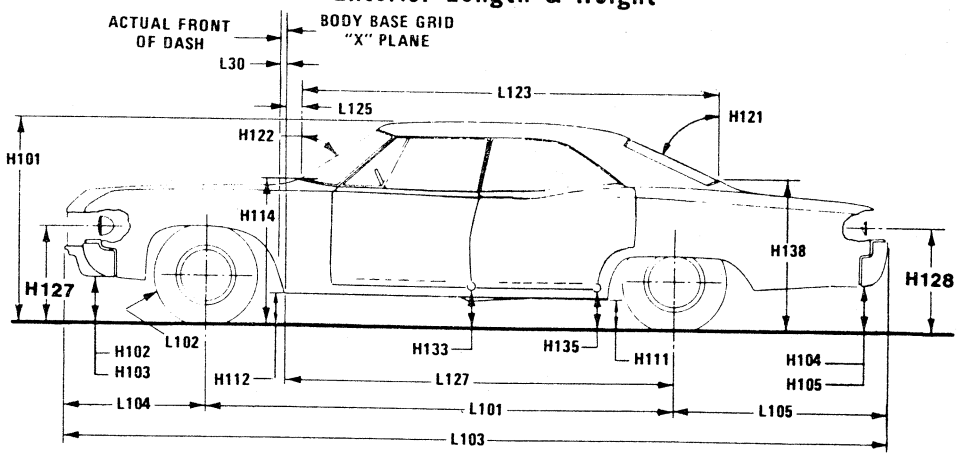
Exterior Car And Body Dimensions — Key Sheet

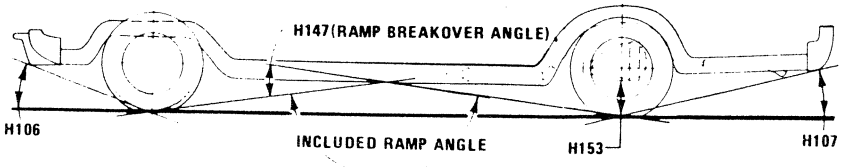
Exterior Width



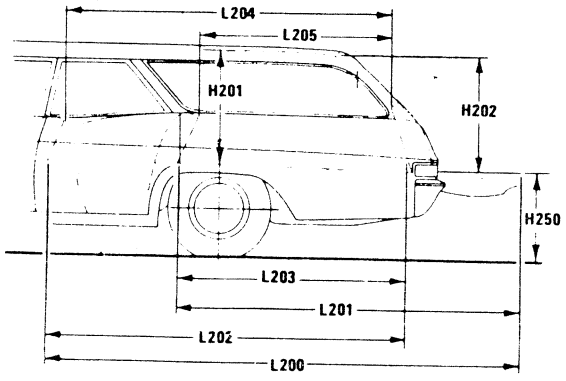
Exterior Length & Height



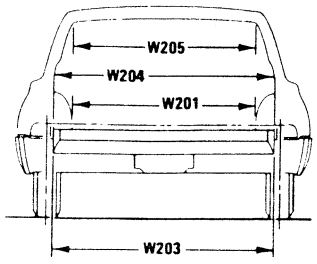
Exterior Ground Clearance

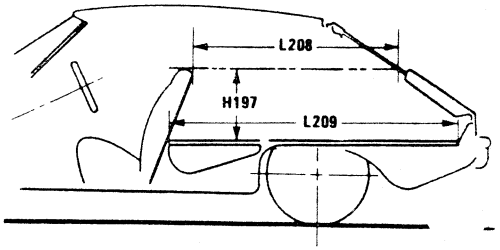


Cargo Space



Station Wagon





Hatchback

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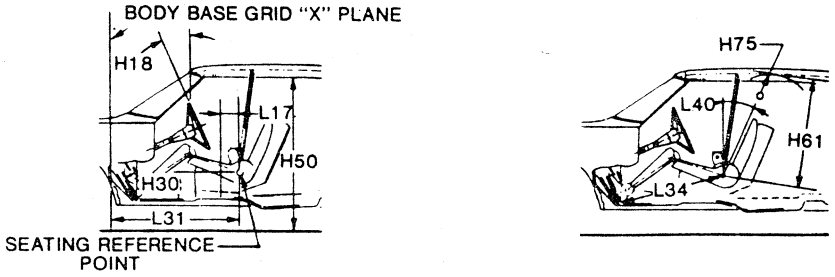
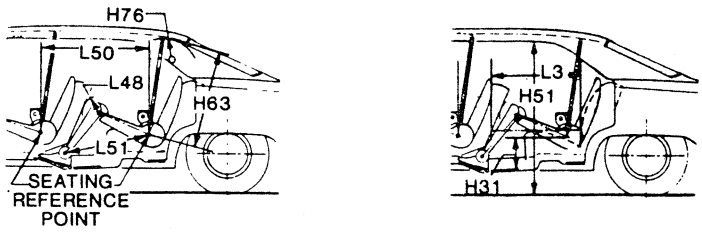
Interior Car And Body Dimensions — Key Sheet

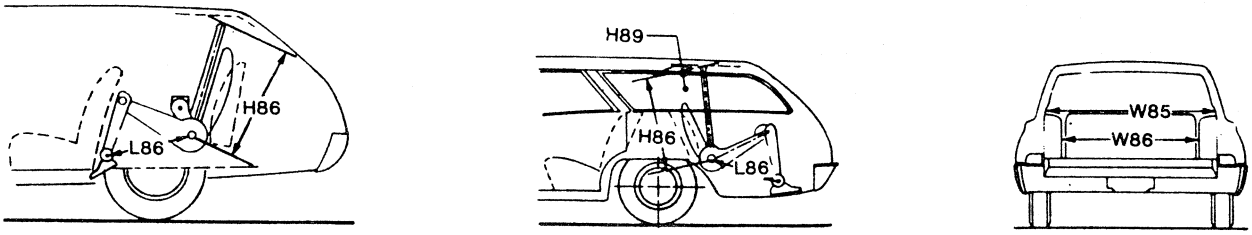
Front Compartment



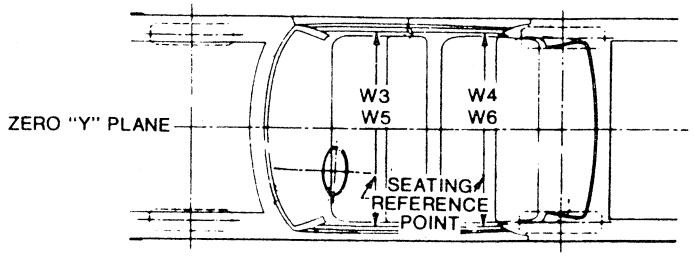
Rear Compartment



Third Seat



Interior Width



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Exterior Car And Body Dimensions — Key Sheet
Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which —
(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
(b) Has coordinates established relative to the design vehicle structure;
(c) Simulates the position of the pivot center of the human torso and thigh; and
(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

W101 TREAD — FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD — REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP — FRONT. The dimension measured laterally between the widest points on the body at the SgRP - front, excluding door handles, applied moldings. or appliques.

W120 VEHICLE WIDTH — FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.

W121 VEHICLE WIDTH — REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

L30 FRONT OF DASH "X" COORDINATE. A minus (–) dimension indicates actual front of dash is forward of the zero "X" plane.

L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

L102 TIRE SIZE. As specified by the manufacturer.

L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, two hooks and/or rub strips, if standard equipment.

L104 OVERHAND — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, two hooks and/or rub strips, if standard equipment.

L105 OVERHAND — REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, two hooks and rub strips, if standard equipment.

L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.

L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.

L125 COWL POINT "X" COORDINATE.

Height Dimensions

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

H112 ROCKER PANEL — FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

H132 BOTTOM OF DOOR OPEN — FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H111 ROCKER PANEL — REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.

H134 BOTTOM OF DOOR OPEN — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H135 BOTTOM OF DOOR CLOSED — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.

H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.

H127 HEADLAMP TO GROUND — CURB WEIGHT. The dimensional measured vertically from the centerline of the lowest headlamp lens to ground.

H128 TAILLAMP TO GROUND — CURB WEIGHT. The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

H103 FRONT BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.

H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

H105 REAR BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.

H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

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Dimensions Definitions

H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference reaward of the rear tire to ground: The limiting component shall be designated.

H147 REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.

H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.

H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION — FRONT.

L31 SgRP — FRONT "X" COORDINATED.

H61 EFFECTIVE HEAD ROOM — FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP — front to the headline, plus 4.0 in. (102 mm).

H75 EFFECTIVE T-POINT HEAD ROOM — FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).

L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP — front plus 10.0 in. (254 mm) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.

H30 SgRP — FRONT TO HEEL. The dimension measured vertically from the SgRP — front to the accelerator heel point.

L17 DESIGN H-POINT — FRONT TRAVEL. The dimension measured horizontally between the design H-point — front in the foremost and rearmost seat trace positions.

W3 SHOULDER ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP — front within the belt line and 10.0 in. (254 mm) above the SgRP — front.

W5 HIP ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP — front within 1.0 in. (25mm) below and 3.0 (76 mm) above the SgRP — front and 3.0 (76 mm) fore and aft of the SgRP — front.

H150 UPPER BODY OPENING TO GROUND — FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP — front "X" plane.

H18 STEERING WHEEL ANGLE. 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 SgRP — front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION — SECOND.

L50 SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP — front to the SgRP — second.

H63 EFFECTIVE HEAD ROOM — SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 4.0 in. (102 mm).

H76 EFFECTIVE T-POINT HEAD ROOM — SECOND. Measured in the same manner as H75.

L51 MINIMUM EFFECTIVE LEG ROOM — SECOND. The dimension measured along a line from the ankle pivot center to the SgRP — second plus 10.0 in. (254 mm).

H31 SgRP — SECOND TO HEEL. The dimension measured vertically from the SgRP — second to the two dimensional device heel point on the depressed floor covering.

L48 KNEE CLEARANCE — SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).

L3 COMPARTMENT ROOM — SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

W4 SHOULDER ROOM — SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP — second within 10.0-16.0 in. (254-406 mm) above the SgRP — second.

W6 HIP ROOM — SECOND. Measured in the same manner as W5.

H51 UPPER BODY OPENING TO GROUND — SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 13.0 in. (330 mm) forward of the SgRP — second.

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY — Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.

H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Station Wagon — Third Seat Dimensions

PD3 PASSENGER DIRECTION — THIRD

W85 SHOULDER ROOM — THIRD. Measured in the same manner as W5.

W86 HIP ROOM — THIRD. Measured in the same manner as W5.

L86 EFFECTIVE LEG ROOM — THIRD. The dimension measured along a line from the ankle pivot center to the SgRP — third plus 10.0 in. (254 mm).

H86 EFFECTIVE HEAD ROOM — THIRD. The dimension, measured along a line 8 deg. from the SgRP — third to the headlining rear of vertical plus a constant of 4.0 in. (102 mm).

H89 EFFECTIVE T-POINT HEAD ROOM — THIRD. Measured in the same manner as H75.

Station Wagon — Cargo Space Dimensions

L200 CARGO LENGTH — OPEN — FRONT. The minimum dimension measured logitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L201 CARGO LENGTH — OPEN — SECOND. The dimension measured logitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L202 CARGO LENGTH — CLOSED — FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

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L203 CARGO LENGTH — CLOSED — SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT — FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab back panel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT — SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

W201 CARGO WIDTH — WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB WEIGHT). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON

Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = Ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = m^3 \text{ (cubic meter)}$$

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback — Cargo Space Dimensions

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

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.

L209 CARGO LENGTH AT FLOOR — FRONT — HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

V3 HATCHBACK.

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = Ft.^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = m^3 \text{ (cubic meter)}$$

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