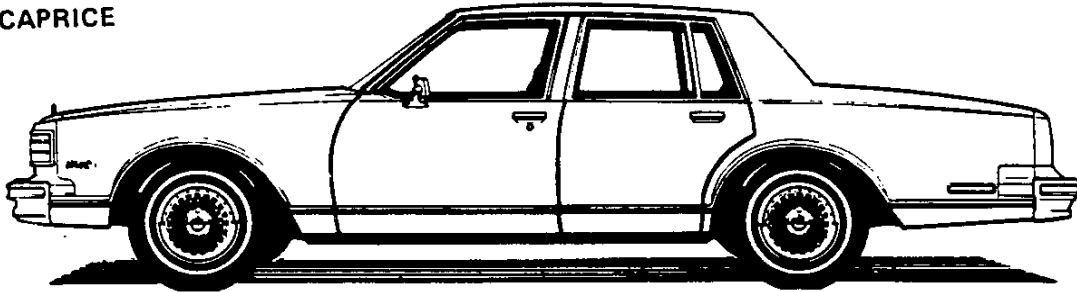


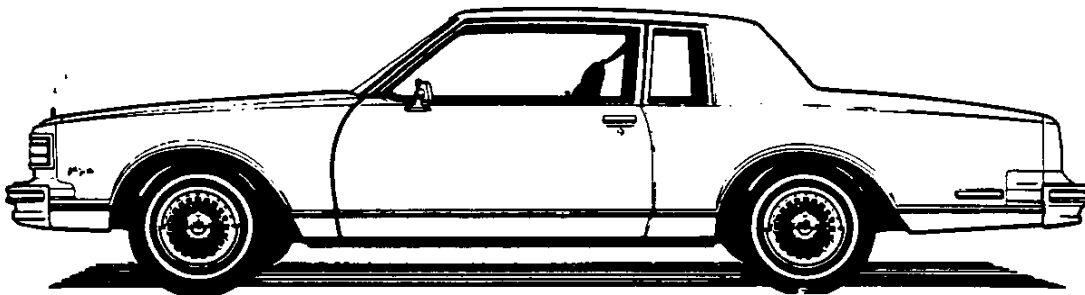


GENERAL

CAPRICE

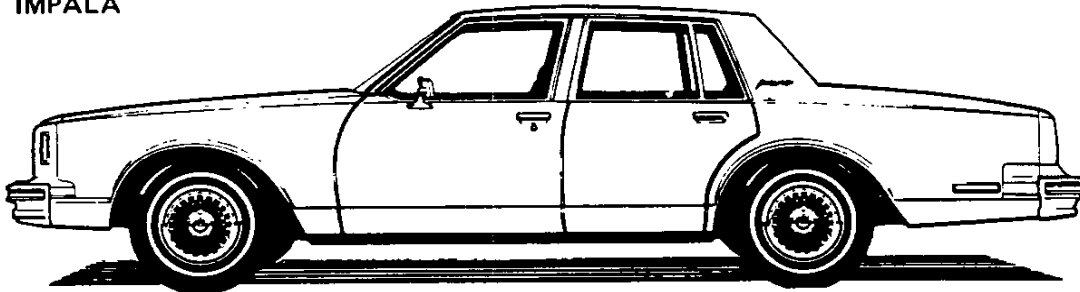


MODEL IDENTIFICATION	2
SERIAL NUMBERS AND IDENTIFICATION	3
EXTERIOR EQUIPMENT	4-5
INTERIOR EQUIPMENT	6-7-8-9
EXTRA COST EQUIPMENT	10-11-12
AIR CONDITIONING EQUIPMENT	13



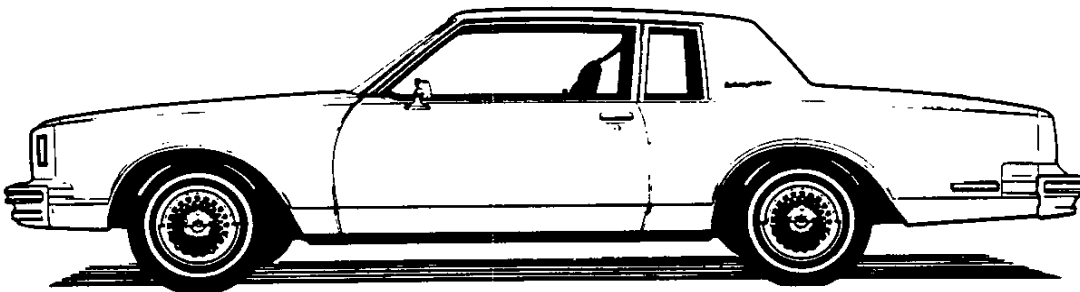
MODEL IDENTIFICATION

IMPALA



BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
B-CAR	IMPALA	4-Dr. Sedan	1BL69	6
		2-Dr. Coupe	1BL47	6
		4-Dr. Station Wagon	1BL35	2-Seat*
	CAPRICE CLASSIC	4-Dr. Sedan	1BN69	6
		2-Dr. Coupe	1BN47	6
		4-Dr. Station Wagon	1BN35	2-Seat*

*Third seat available - RPO AQ4.



SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1	L	69	K	A	J	100001
						Sequential No.
					Assembly Plant (*)	
						Model Year 1980
						Engine Type (**)
						Body Style (last two digits of model Number)
						Car line & Series (***)
						Make ("1" for Chevrolet)

- *J - Janesville-GMAD S - St. Louis-GMAD
- # - Oshawa-Canadian Plt. C - Southgate-GMAD
- **K - V-6, 229 (115 H.P.) J - V-8, 267 (120 H.P.)
- A - V-6, 231 (110 H.P.) H - V-8, 305 (155 H.P.)
- N - V-8, 350 (105 H.P.) Diesel
- ***L - Impala Models N - Caprice Classic

EXAMPLE: The twenty-fifth Chevrolet vehicle built at GMAD Janesville if it were a 1L69 model (Impala Sedan) with a V6-229 (115 H.P.) engine would bear VIN number 1L69KAJ100025.

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

TRANSMISSION IDENTIFICATION

Example: Y0E01

Type	Source	Model Year	Production ^o
Designation	Designation	1980	Month & Date
7CK	Y (Toledo)	0	E01D*

7CK	3-Speed Auto.	V-6 engine	B - Parma Y - Toledo
7WL	3-Speed Auto.	V-8 engine	B - Parma Y - Toledo

Location:
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: F1210CLC

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

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

CLC - Regular production engine, 3-Speed Automatic, 2-bbl. carb.

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

ES - Base engine Calif., 3-Speed Automatic, 2-bbl. carb.

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

CPC - Optional, 3-Speed Automatic, 2-bbl. carb.

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

CED - Optional, 3-Speed Automatic, 4-bbl. carb.

5.7L, 350 Cubic Inch V-8/Diesel F.I. (RPO LF9)

VBS - Optional, Station Wagon, 3-Speed Automatic

Location:
V6 & V8-cylinder engines . . . Stamped on top front or 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

- 6GF - 2.41 Axle
- 6YD - 2.56 Axle
- 6YE - 2.73 Axle
- 6YJ - 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.

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT SEDANS AND COUPES

	Impala	Caprice Classic
FRONT		
Windshield Reveal Moldings	X	X
Concealed Windshield Wipers with Articulated Left Arm	X	X
Bumper Mounted Parking Lamps	X	X
Bright Grille, Caprice Emblem on Header Panel		X
Argent Grille, Bow Tie Emblem centered on Grille	X	
Bright Headlamp Bezels on Header Panel	X	X
'Chevrolet' Block on Left Side of Grille	X	
Bright Upper Grille Moldings	X	
Bright Hood Moldings	X	X
SIDE		
Header Panel Mounted Front Markers	X	X
Rear Quarter Marker Lamps	X	X
'Impala' Script on Sail Panel	X	
'Caprice Classic' Nameplate on Front Fender		X
Caprice Crest on Sail Panel		X
Rectangular 5" Outside L.H. Rear View Mirror	X	X
Rocker Panel Moldings—Bright	X	
Bright Body Side Lower Molding Paint Filled		X
Colored PVC Body Side Molding with Bright Mylar Border	O	O
Flush Door Handle—Bright	X	X
Bright Door Belt Molding	X	X
Wheel Trim Covers	O	X
Hub Caps	X	
Bright Roof Drip Moldings	X	X
Bright Door Upper Frame Moldings	X	X
Wheel Opening Moldings Front and Rear	O	X
Vinyl Top or Two-Tone Paint Molding	O **	O
Bright, Brushed and Paint Filled Molding Treatment — Roof to Quarter, To Front Fender		47-O (Z03)
REAR		
Deck Lid Nameplate—"Chevrolet"	X	X
Rear Window Reveal Molding—Bright	X	X
Four Tail and Stop Lamps and Two Back-Up Lamps	X	
Six Tail and Stop Lamps and Two Back-Up Lamps		X
Caprice Crest on Deck Lid		X

O Optional Usage

** Color keyed to top.

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT STATION WAGONS

FRONT	Impala	Caprice Classic
Bright Windshield Reveal Moldings	X	X
Concealed Windshield Wipers with Articulated Left Arm	X	X
Bumper Mounted Parking Lamps	X	X
Bright Grille, Caprice Emblem on Header Panel		X
Argent Grille, Bow Tie Emblem centered on Grille	X	
Bright, Headlamp Bezels	X	X
'Chevrolet' Block on Left Side of Grille		X
Bright Upper Grille Molding	X	
Bright Hood Moldings	X	X
SIDE		
Header Panel Mounted Front Markers	X	X
Rear Quarter Marker Lamps	X	X
Rectangular 5" Outside L.H. and R.H. Rear View Mirror	X	X
Bright Rocker Panel Moldings	X	
Bright Body Side Lower Mldg. Paint Filled		X
Bright Roof Drip Moldings	X	X
Wheel Trim Covers	O	X
Hub Caps	X	
Bright Flush Door Handle	X	X
Bright Door Upper Frame Moldings	X	X
Wheel Opening Moldings	O	X
Bright Rear Painted Quarter Window Reveal Molding	X	X
Side; Impala, Caprice Classic, Caprice Estate and Diesel Emblems on Front Fender	X	X
Colored PVC Body Side Molding with Bright Mylar Border	O	O
Two-Tone Paint Break Decals	O	O
Bright Door Belt Molding	X	X
Caprice Crest on No. 3 Pillar		X
Woodgrain Applique Bright and Paint-Filled Moldings		O (BX3)
REAR		
Tailgate Nameplate--"Chevrolet"	X	X
Tailgate Wood-Grain Applique and Border Molding Bright and Paint Filled		O
Bright Tailgate Opening Molding		X
Bright Tailgate Belt and Weatherstrip Moldings	X	X
Bright Trimmed Single Tail, Stop and Back-Up Lamps	X	X
Bright Tailgate Handle	X	X
Bright Electric Tailgate Window Control	X	X
Tailgate Molding - Black PVC with Bright Mylar Insert	X	
Tailgate Molding - Argent PVC with Bright Mylar Border	O	
Tailgate Emblem - Bow Tie	X	
Tailgate Emblem - Caprice Crest		X
Tailgate Lower Molding		X

O - Optional Usage

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT SEDAN & COUPE

INSTRUMENT PANELS AND STEERING WHEELS

	Impala	Caprice
Glove Compartment Light	X	X
Cigarette Lighter	X	X
Clock, Electric	O	X
Clock Hole Cover	X	
Instrument Panel Knobs Bright with Woodgrain Insert	X	X
Instrument Panel Pad—Upper	X	X
Instrument Panel Upper Trim Plate with Series Nameplate	X (a)	X (b)
Instrument Cluster Bright and Woodgrain Trim	X	X
Ash Tray — Illuminated	O	X
Ash Tray Face Plate—Painted	X	X
Windshield Wiper and Washer, Two Speed—Illuminated Control	X	X
Upper Ventilation Outlets and Controls—Black	X	X
Instrument Panel Courtesy Lights	O	X
Turn Signal and Shift Lever Knobs—Color Keyed	X	X
Steering Column Ignition Lock	X	X
Steering Wheel, Soft Vinyl Shroud and Rim — Shroud Insert and Chevrolet Nameplate Woodgrain Insert	X	X (c)
Color-Keyed Steering Wheel, Shroud, and Column	X	X
Instrument Panel Woodgrain Trim and Bright (Upper Area)	X (d)	X (d)
Dual Horns	O	X
Single Horn	X	
Audio and Visual Lap Belt Warning System	X	X
Radio and Heater Control Trim Plate	X (e)	X (e)

GLASS

Windshield, Laminated Safety Plate Glass	X	X
Backlight Safety Solid Plate Glass	X	X
Side Windows, Safety Solid Plate Glass	X	X

O — Optional usage

(a) Bright, Impala script on instrument panel (no trim plate)

(b) Bright, Caprice Classic name on black hi-gloss trim plate

(c) Wheel rim has woodgrain insert

(d) Switch and glove box area (Woodgrain and bright, Caprice) (cross grain texture & bright, Impala)

(e) Woodgrain on Caprice and cross grain texture on Impala in colors.

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT STATION WAGONS

INSTRUMENT PANELS AND STEERING WHEELS	Impala	Caprice
Glove Compartment Light	X	X
Cigarette Lighter	X	X
Clock, Electric	O	X
Clock Hole Cover	X	
Instrument Panel Knobs Bright with Woodgrain Insert	X	X
Instrument Panel Pad—Upper	X	X
Instrument Panel Upper Trim Plate with Series Nameplate	X (a)	X (b)
Instrument Cluster Bright and Woodgrain Trim	X	X
Ash Tray — Illuminated	O	X
Ash Tray Face Plate—Painted	X	X
Windshield Wiper and Washer, Two Speed—Illuminated Control	X	X
Upper Ventilation Outlets and Controls—Black	X	X
Instrument Panel Courtesy Lights	O	X
Turn Signal and Shift Lever Knobs—Color Keyed	X	X
Steering Column Ignition Lock	X	X
Steering Wheel, Soft Vinyl Shroud and Rim — Shroud Insert and Chevrolet Nameplate Woodgrain Insert	X	X (c)
Color-Keyed Steering Wheel, Shroud, and Column	X	X
Instrument Panel Woodgrain Trim and Bright (Upper Area)	X (d)	X (d)
Dual Horns	O	X
Single Horn	X	
Audio and Visual Lap Belt Warning System	X	X
Radio and Heater Control Trim Plate	X (e)	X (e)
Tailgate Window Switch	X (f)	X (f)
GLASS		
Windshield, Laminated Safety Plate Glass	X	X
Backlight Safety Solid Plate Glass	X	X
Side Windows, Safety Solid Plate Glass	X	X

O — Optional usage

- (a) Bright, Impala script on instrument panel (no trim plate)
- (b) Bright, Caprice Classic name on black hi-gloss trim plate
- (c) Wheel rim has woodgrain insert
- (d) Switch and glove box area (Woodgrain and bright, Caprice) (cross grain texture & bright, Impala)
- (e) Woodgrain on Caprice and cross grain texture on Impala in colors.
- (f) Station Wagon only.

INTERIOR EQUIPMENT

ROOF AND PILLARS	Impala			Caprice Classic		
	69	47	35	69	47	35
Headlining Cloth	X	X	X	X	X	X
Rear View Mirror, 12" Prismatic-Textured Black Vinyl Clad (F)	X	X	X	X	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted (F)	X	X	X	X	X	X
Sunshade, Padded, Non-Hook Cloth (F)	X	X	X	X	X	X
Roof Side Rail Garnish Moldings-Painted Metal (F)	X	X	X	X	X	X
Rear Window Moldings-Painted Metal and Plastic (F)		X			X	
Rear Window Upper and Side Moldings-Plastic Painted Metal (F)	X			X		
Quarter Window Garnish Moldings-Painted Metal (F)			X			X
Windshield Garnish Moldings-Plastic (F)	X	X	X	X	X	X
Center Pillar Lower Finish Panel, Molded Plastic (F)	X		X	X		X
Center Pillar Upper Molding-Molded Plastic (F)	X		X	X		X
Rear Quarter Upper Trim Panel, Molded Plastic (F)		X			X	
Coat Hooks, Plastic-Trim Color (Bright) (F)	X	X	X	X	X	X
Center Dome Light-Plastic Lens (F)	X	X	X	X	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F)	X	X	X	X	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar (F)	X	X	X	X	X	X
Rear Door Jamb Switches for Dome Lamp (F)				X		X
SEATS AND FLOOR COVERING						
Front and Rear Seat Cushion and Backrest, Full Molded Foam (F)	X	X	X	X	X	X
Single Loop Seat Belt System uses Retractor, Located in Center Pillar on Sedans and Wagons and in Quarter Panel on Coupes for Both Seat and Shoulder Belt	X	X	X	X	X	X
Black Rear Seat Lap Belts (3 Sets) Locking Outer Retractors (F)	X	X	X	X	X	X
Front Seat Center Lap Belt, Black (F)	X	X	X	X	X	X
Front Seat Head Restraints (F)	X	X	X	X	X	X
Front Seat Center Armrest (F)				X		
Front Seat Bright Back-Side Trim Panels (F)				X	X	X
Package Shelf Embossed Board (F)	X			X		
Package Shelf Woven Fiber Board		X			X	
Folding Front Seat Back Locks-Bright (F)		X			X	
Carpet, Floor Covering-Nylon Cut Pile (F)	X	X	X	X	X	X

(F) Fisher Body Released

INTERIOR EQUIPMENT

DOOR AND QUARTER PANEL (F)	Impala			Caprice Classic		
	69	47	35	69	47	35
Plastic Armrest with Pad	X	X	X	X	X	X
Plastic Armrest with Pad and Ash Tray	X		X	X		X
Soft Trim Door Panel	X	X	X	X	X	X
Pull Type Door Handle	X	X	X	X	X	X
Rear Quarter Panel with Armrest and Ash Tray		X			X	
Window Control Handle Knobs, Clear Plastic	X	X	X	X	X	X
Door Lock Buttons—Bright	X	X	X	X	X	X
Door Trim Panel Carpet—Cut Pile plus Opt.				X	X	X
Wood-Grain Door Panel Plaques, Bright Trim	X	X	X			
Cloth Insert				X	X	X
Front and Rear Door Locks 2-Position Free Wheeling	X	X	X	X	X	X
Front and Rear Door Pull Strap				X	X	X
Rear Quarter Sidewalls—Molded Plastic			X			X
LUGGAGE AREA AND MISC.						
Luggage Compartment Light (C)	X	X		X	X	
Luggage Compartment Spatter Paint (Black) (F)	X	X		X	X	
Luggage Compartment Mat—Tango Carpet (F)	X	X		X	X	
Load Floor—Textured Metal (F)			X			X
Storage Compartment Mat—Vinyl on Foam (F)			X			
Storage Compartment Lining—Vinyl on Foam (F)			O			X

(F) Fisher Body Released
 (C) Chevrolet Released
 O Optional usage

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
Air conditioning, Four-Season (See page 13 for content)	C60	
Air conditioning, Comfortron: automatic temperature control (Requires V-8 engine) (See page 13)	C61	
Battery, heavy duty	UA1	
Body insulation package ("Silent Sound Group") base on 1BN00	BS1	
Carpet, Station Wagon load floor (Color-Keyed)	B39	
Clock, electric, conventional (Standard on Caprice Classic)	U35	ACC
Compass		ACC
Cover, luggage carrier - wagon		ACC
Dispenser, tissue tunnel mount		ACC
Dome reading lamp	C95	
Door edge guards (Not Available BX3)	B93	ACC
Electric trunk release - except wagon	A90	
Floor mats color-keyed - 2 front	B32	ACC
Floor mats color-keyed - 2 rear	B33	ACC
Front and rear bumper guards	V30	ACC
Generator: 70-amp Delcotron	K73	
Glass, Soft-Ray tinted: all windows (Includes w/s radio antenna)	A01	
Glass, windshield - tinted (Fleet and Canadian - includes radio antenna)	A02	
Hitch, trailer, deadweight		ACC
Hitch, trailer, equalizing type		ACC
Horns, dual - base on 1BN00	U05	ACC
Lamp, portable spot		ACC
Lighting, auxiliary:	TR9	
Courtesy lights - (Standard on 1BN00 models) (U29)		
Luggage compartment light - Std. Impala and Caprice Classic sedans and coupes.		
Ash tray light - (Standard on 1BN00 models)		
Underhood light (U26) All		ACC
Rear dome lamp - wagons (C88)		
Headlamp reminder buzzer		ACC
Dome reading lamp (C95) All		
Electronic dome lamp, time delay (C94)		
Litter container (RH cowl kick panel)	D24	
Litter container and tissue dispenser		ACC
Lock, rear door safety (child guard)		ACC
Luggage compartment trim deluxe (Except wagon)	B48	
Mat, front floor full width - vinyl		ACC
Mat, load floor-wagon		ACC
Mirror, rear view L.H. outside remote-control	D33	
Mirror, rear view R.H. outside remote-control (Requires D33)	DF3	
Mirror, RH (to match LH remote or standard unit - standard on Station Wagons)		ACC
Mirrors, Sport Outside, Body Color, LH Remote & RH Manual	D35	
Mirrors, Dual Sport - RH and LH remote control type (Painted body color)	D68	
Molding, adhesive backed vinyl (roll or cut to length)		ACC
Moldings, body side - vinyl insert (color keyed)	B84	
Molding, wheel opening (Standard on 1BN00 models)	B96	

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
Radiator, heavy duty cooling	V08	
Radio equipment: Radios, pushbutton – includes concealed w/s antenna		
AM Radio	U63	ACC
AM/FM Radio	U69	ACC
AM/FM/Stereophonic Radio	U58	ACC
Citizens Band Radio – Six channel plus antenna		ACC
Stereo Tape System with AM Radio	UM1	ACC
Stereo Tape System with AM/FM/Stereophonic Radio	UM2	ACC
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	
Mast antenna, RH front fender		ACC
Speaker, rear seat (Requires U63 or U69)	U80	ACC
Speakers, Dual Front	UX6	
Windshield antenna	U76	
Power Antenna	U75	
Rear window defogger (Forced air) (All except wagons)	C50	ACC
Electroclear rear window defogger	C49	
Roof cover, vinyl (Padded vinyl) (All except wagons)	C09	
Roof luggage carrier – wagon	V55	ACC
Seat, infant safety		ACC
Seat, child safety		ACC
Seat, 50-50 front bench	AT8	
Shock absorbers, rear:		
Superlift	G66	
Speed control: (Cruise-Master)	K30	ACC
Steering wheel, comfortilt	N33	
Strips – impact – FR. and RR. bumper	VE5	
Suspension, heavy duty front and rear	F40	
Sport suspension (All except wagons) Requires QHK-Tire	F41	
Two-Tone finish: includes bright metal outline moldings	D99	
Visor vanity mirror, R.H. visor	D34	ACC
Wheel covers, simulated wire	N95	
Wheel covers, full: (All except 1BN00 models)	P01	ACC
Wheel covers, full (plastic)	PA1	
Wheel covers, deluxe (New ABS plastic)	PB2	
Wipers, windshield – pulse type	CD4	
FACTORY-INSTALLED REGULAR PRODUCTION TIRES		
P205/75R-15 – Steel belted radial ply Blackwall (base tire sedans & coupes)	QJU	
P225/70R-15 – Steel belted radial ply Whitewall (with F41 suspension only)	QHK	
P205/75R-15 – Steel belted radial ply Whitewall (self-sealing with P42) (sedans & coupes)	QJW	
P215/75R-15 – Steel belted radial ply Whitewall (sedans & coupes)	QKT	
P215/75R-15 – Steel belted radial ply Whitewall (all)	QKU	
P225/75R-15 – Steel belted radial ply Blackwall (station wagons)	QLX	
P225/75R-15 – Steel belted radial ply Whitewall (self-sealing with P42) (station wagons)	QLZ	

EXTRA COST EQUIPMENT

POWER TEAMS

	RPO	ACC.
231 cu. in. V-6 (sedans & coupes) (Calif. only)	LD5	
267 cu. in. V-8 (sedans & coupes) (base station wagons)		
(not available California)	L39	
305 cu. in. V-8 (sedans and coupes & station wagons)	LG4	
350 cu. in. V-8 (diesel, F.I.) (station wagons only)	LF9	
Automatic Transmission (All engines)	MX1	
Axle, positraction	G80	
Axle, performance ratio (LG4 only)	G92	

POWER ASSISTS

Door lock system, power	AU3	
Six-way Power Seat	AG9	
Tailgate, power (Wagon)	B1Q	
Windows, power	A31	
Trunk lid release - electric-remote (sedans & coupes)	A90	

AIR CONDITIONING

COMFORTRON AUTOMATIC TEMPERATURE CONTROL (RPO C61)

Integral air cooling and heater system. Used only with RPO C60 system. Automatically controlled by pre-setting on instrument control panel. Control assembly consists of horizontal lever and vertical temperature wheel. In-car sensor located on instrument panel; ambient sensor located beneath air intake cowl.

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. Six air outlets: 2 center, 2 side, 2 lower.

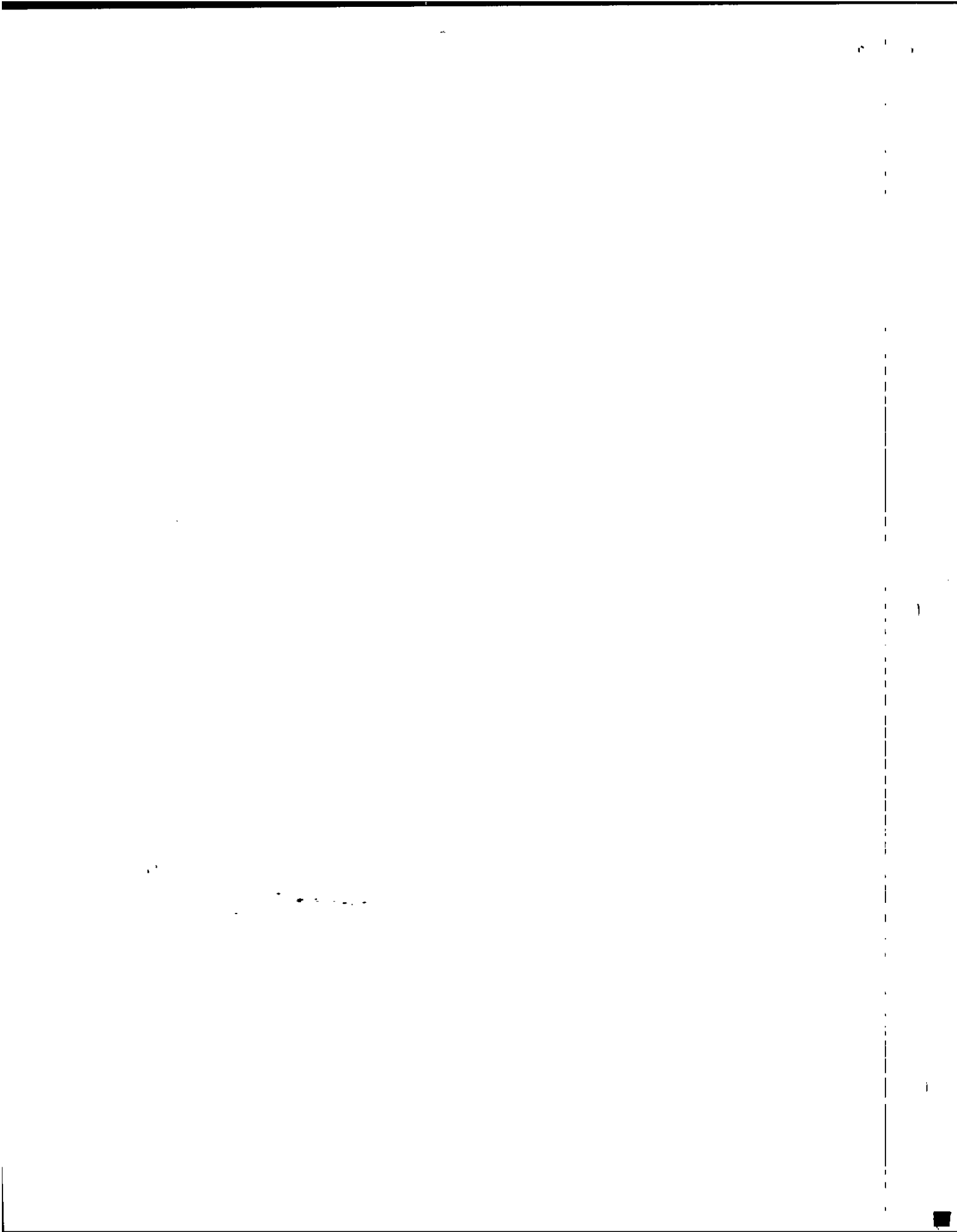
BASIC COMPONENTS

Control panel, evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems. Comfortron also includes sensors, transducer and power servo unit for automatic operation.

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

POWER TRAINS

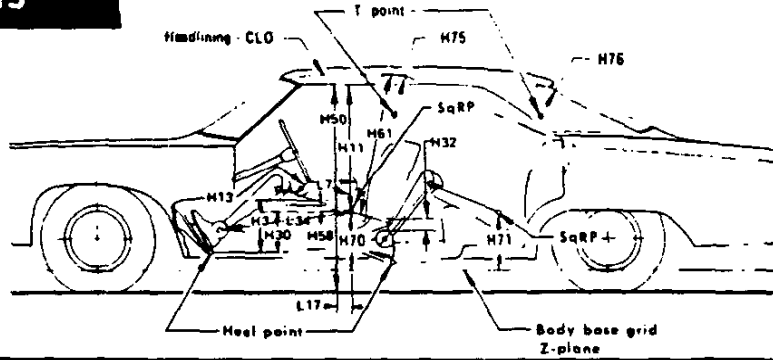
Fan Blade	5 blade w/V6; 5 blade w/V8
Fan Clutch	Thermomodulated fluid coupling
Crankshaft Pulley	Single three groove pulley
Water Pump & Fan Pulley	Single
Compressor & Crankshaft Belt	One
Generator	63 Ampere
Radiator	Heavy duty



DIMENSIONS AND WEIGHTS

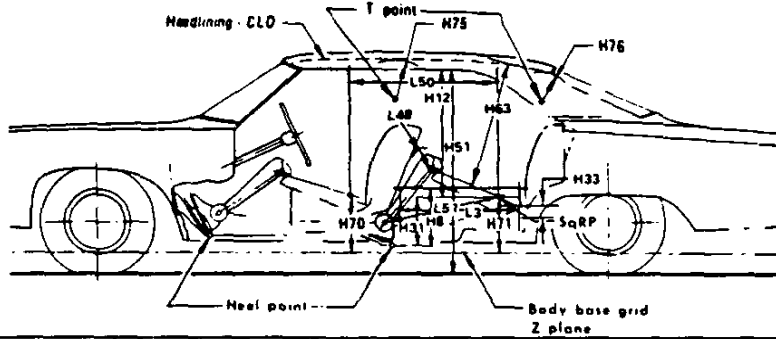
INTERIOR DIMENSIONS	2
LUGGAGE CAPACITY	2
EXTERIOR DIMENSIONS	3 & 4
STATION WAGON CARGO SPACE	5
VEHICLE WEIGHTS	6
OPTIONAL EQUIPMENT WEIGHTS	7

INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	SEDANS		COUPES		STATION WAGONS		
		1BL69	1BN69	1BL47	1BN47	1BL35	1BN35	
H-3	Seat cushion height	270 (10.6)						
H11	Entrance height	790 (31.1)		774 (30.5)		791 (31.1)		
H13	Steering wheel to centerline of thigh	105 (4.1)						104 (4.1)
H30	SgRP to heel point (chair height)	220 (8.7)						
H32	Seat cushion deflection	81 (3.2)						
H50	Upper body opening to ground	1285 (50.6)				1307 (51.5)		
H58	H point rise - Design	23.5 (0.9)				24 (0.9)		
H51	Effective headroom	1003 (39.5)	997 (39.2)	985 (38.8)	979 (38.5)	1005 (39.6)		
H70	SgRP to body base grid	196 (7.7)						
H75	Effective "T" point headroom	1006 (39.6)	1000 (39.4)	990 (39.0)	984 (38.7)	1009 (39.7)		
W3	Shoulder room	1536 (60.3)	1546 (60.9)	1535 (60.4)	1546 (60.9)	1536 (60.3)	1546 (60.9)	
W5	Hip room	1398 (55.0)				1400 (55.1)		
L7	Steering wheel torso clearance	343 (13.5)						
L17	H point travel - Design	163 (6.4)						
L34	Effective leg room	1072 (42.2)						



REAR COMPARTMENT

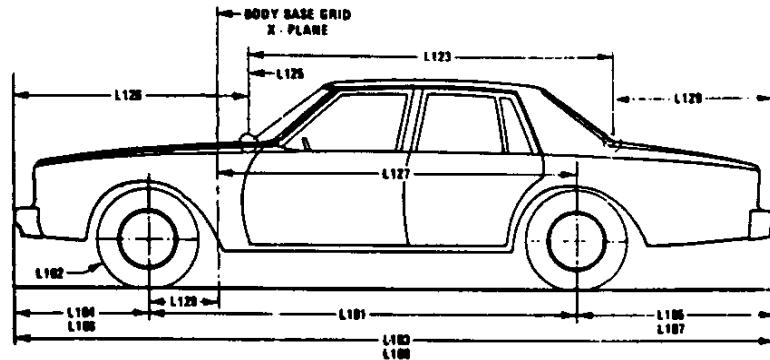
H8	Seat cushion height	364 (14.3)		342 (13.5)		359 (14.1)	
H12	Entrance height	785 (30.9)		---		775 (30.5)	
H31	SgRP to heel point (chair height)	292 (11.5)		269 (10.6)		307 (12.1)	
H33	Seat cushion deflection	103 (4.0)		108 (4.2)		109 (4.3)	
H51	Upper body opening to ground	1300 (51.2)		---		1315 (51.8)	
H63	Effective headroom	971 (38.2)	965 (38.0)	970 (38.2)	964 (38.0)	999 (39.3)	
H71	SgRP to body base grid	198 (7.8)		175 (6.9)		213 (8.4)	
H76	Effective "T" point headroom	969 (38.1)	963 (37.9)	970 (38.2)	964 (38.0)	1003 (39.5)	
W4	Shoulder room	1537 (60.5)	1546 (60.9)	1504 (59.2)	1490 (58.7)	1536 (60.5)	1548 (60.9)
W6	Hip room	1405 (55.3)		1472 (57.9)		1464 (57.6)	
L3	Rear compartment room	734 (28.9)		737 (29.0)		720 (28.4)	
L48	Knee clearance	91 (3.6)		92 (3.6)		51 (2.0)	
L50	SgRP couple distance	882 (34.7)		872 (34.3)		844 (33.2)	
L51	Effective leg room	992 (39.1)		972 (38.3)		959 (37.8)	

LUGGAGE COMPARTMENT

H195	Liftover height	806 (31.7)		---	
V1	Usable luggage capacity (cu.ft.)	592L (20.9 Ft. ³)		---	

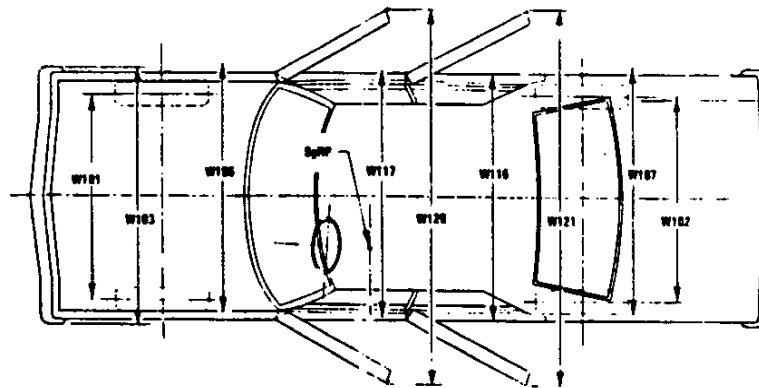
* Primary Dimensions are millimeters unless otherwise shown.

EXTERIOR DIMENSIONS



LENGTHS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
L101	Wheelbase		2945 (116.0)	
L102	Tire size (standard)		P205/75R15	P225/75R15
L103	Overall length	5386 (212.1)		5464 (215.1)
L104	Overhang, front		1030 (40.5)	
L105	Overhang, rear	1411 (55.6)		1489 (58.6)
--	Overall length - less bumpers	5162 (203.2)		5213 (205.2)
L123	Body upper structure length at car centerline	2366 (93.1)	2398 (94.4)	3506 (138.0)
L125	Body base grid plane to windshield cowl point	236 (9.3)	239 (9.4)	235 (9.2)
L126	Front end length at centerline	1BN00 Models 1627 (64.0) - 1BL00 Models 1623 (63.9)		
L127	Rear wheel centerline to body base grid line		2475 (97.5)	
L128	Front wheel centerline to body base grid line		-470 (-18.5)	
L129	Rear end length at centerline	1150 (45.3)	1115 (43.9)	100 (3.9)
L30	Front of dash to body base grid		- 34 (- 1.3)	

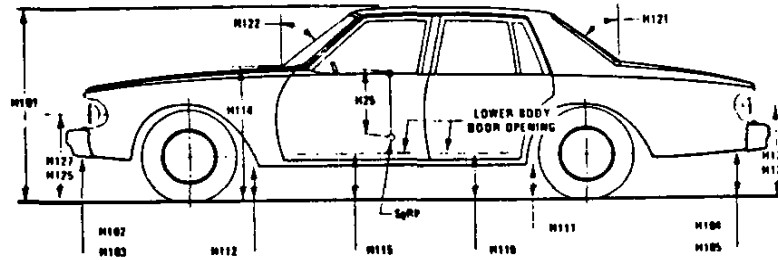


WIDTHS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
W101	Tread - front	1568 (61.8)		1578 (62.2)
W102	Tread - rear	1542 (60.8)		1628 (64.1)
W103	Maximum overall width of car	1914 (75.3)		2014 (79.3)
W106	Front fender overall width	1900 (74.8)		
W107	Rear fender overall width	1911 (75.2)		2014 (79.3)
W116	Maximum overall width of body	1914 (75.3)		2014 (79.3)
W117	Body width at SgRP - front		1910 (75.2)	
W120	Overall car width, front doors open	3442 (135.5)	4002 (157.6)	3442 (135.5)
W121	Overall car width, rear doors open	2917 (114.9)	---	2915 (114.8)

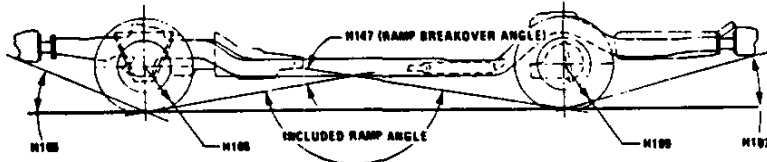
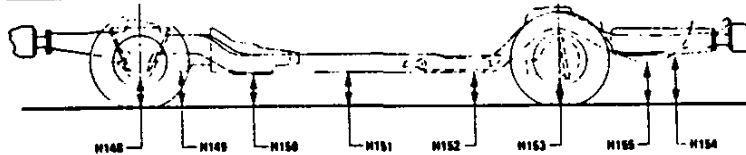
* Primary Dimensions are millimeters unless otherwise shown.

EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
H101	Overall height (design)	1421 (55.9)	1405 (55.3)	1467 (57.7)
H102	Front bumper to ground	305 (12.0)		313 (12.3)
H104	Rear bumper to ground	343 (13.5)		284 (11.2)
H111	Rocker panel to ground - rear	230 (9.0)		242 (9.6)
H112	Rocker panel to ground - front	226 (8.9)		236 (9.3)
H114	Hood at rear to ground	993 (39.1)		1003 (39.5)
H115	Step height - front (design)	357 (14.0)	354 (13.9)	367 (14.4)
H116	Step height - rear (design)	358 (14.1)	---	369 (14.5)
H125	Headlamp to ground	683 (26.9)		691 (27.2)
H126	Tail lamp to ground	676 (26.6)		701 (27.6)
H136	Body O line to ground - front	-202 (- 7.9)		-193 (- 7.6)
H137	Body O line to ground - rear	-182 (- 7.2)		-169 (- 6.6)



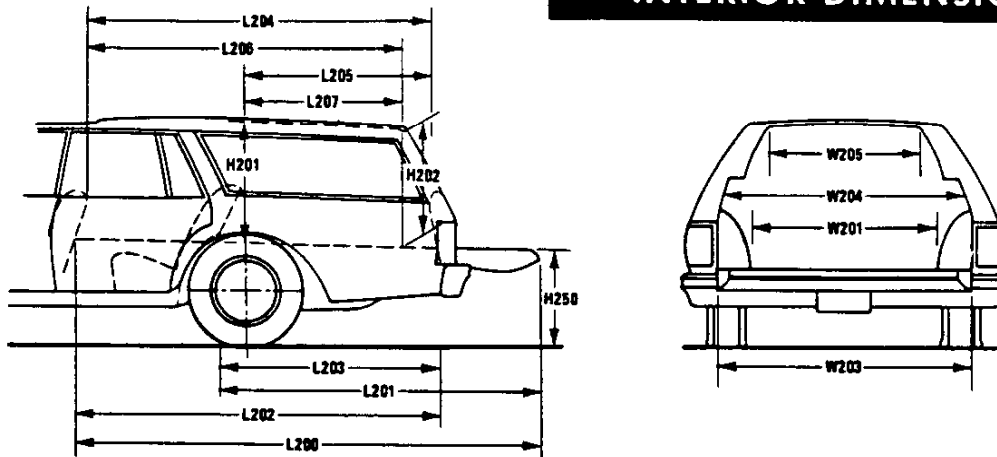
CLEARANCES

H106	Angle of approach (degrees)	16.62°	17.14°
H107	Angle of departure (degrees)	14.56°	11.74°
H147	Ramp breakover angle (degrees)	16.78°	17.68°
H148	Front suspension to ground	143 (5.6)	153 (6.0)
H149	Oil pan to ground	169 (6.6)	174 (6.8)
H150	Flywheel housing to ground	177 (7.0)	173 (6.8)
H151	Frame to ground	177 (7.0)	188 (7.4)
H152	Exhaust system to ground	174 (6.8)	187 (7.4)
H153	Rear axle to ground	182 (7.2)	171 (6.7)
H154	Fuel tank to ground	249 (9.8)	203 (8.0)
H155	Tire well to ground	---	228 (9.0)
H156	Minimum ground clearance	143 (5.6) (a)	153 (6.0) (a)

(a) Front suspension to ground.

* Primary Dimensions are millimeters unless otherwise shown.

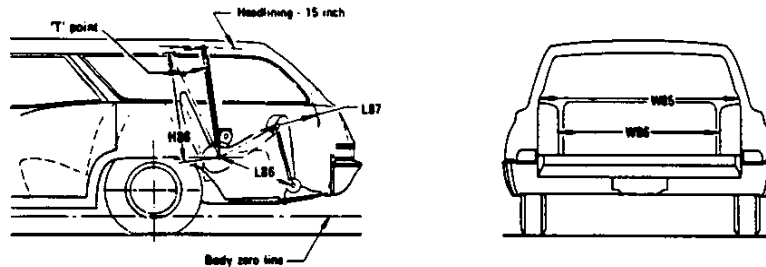
INTERIOR DIMENSIONS



STATION WAGON CARGO SPACE

CODE	DESCRIPTION	1BL35	1BN35
H201	Maximum cargo height		755 (29.7)
H202	Rear opening height		729 (28.7)
H250	Tailgate to ground height		741 (29.2)
W200	Cargo width - front		1555 (61.2)
W201	Cargo width - wheelhouse		1224 (48.2)
W203	Rear opening width at floor		1238 (48.7)
W204	Rear opening width at belt		1224 (48.2)
W205	Rear opening width above belt		988 (38.9)
L200	Maximum cargo length-front seat		2790 (109.8)
L201	Maximum cargo length-second seat		1907 (75.1)
L202	Cargo length at floor-front seat		2290 (90.2)
L203	Cargo length at floor-second seat		1407 (55.4)
L204	Cargo length at belt-front seat		2129 (83.8)
L205	Cargo length at belt-second seat		1222 (48.1)
V2	Total cargo index volume (cu.ft.)	2469 (87.2 cu.ft.)	2488L (87.9 cu.ft.)

Volume underfloor storage compartment
 2-Seat Wagons 226.71 (8.0 Cu.Ft.)
 3-Seat Wagons 127.53 (4.5 Cu.Ft.)



STATION WAGON THIRD SEAT

W85	Shoulder room	1240 (48.8)
W86	Hip Room	1109 (43.7)
H86	Effective headroom	948 (37.3)
L86	Effective leg room	782 (30.8)
L87	Knee room	317 (12.5)

* Primary Dimensions are millimeters unless otherwise shown.

VEHICLE WEIGHTS

MODEL TYPE			SHIPPING WEIGHT			CURB WEIGHT		
MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	Front	Rear	Total	Front	Rear	Total
1BL47	3.8 Liter 229 CID V6 (LC3)	2-Door Sport Coupe	891.9 (1966)	626.7 (1382)	1518.6 (3348)	881.5 (1943)	698.2 (1540)	1579.7 (3483)
1BL69	3.8 Liter 229 CID V6 (LC3)	4-Door Sedan	888.1 (1958)	637.9 (1406)	1526.0 (3364)	877.7 (1935)	709.4 (1564)	1587.1 (3499)
1BL35	4.4 Liter 267 CID V8 (L39)	4-Door Station Wgn.	917.1 (2022)	849.0 (1872)	1766.1 (3894)	904.9 (1995)	913.9 (2015)	1818.8 (4010)
1BN47	3.8 Liter 229 CID V6 (LC3)	2-Door Sport Coupe	900.1 (1984)	633.3 (1396)	1533.4 (3380)	889.7 (1961)	704.8 (1554)	1594.5 (3515)
1BN69	3.8 Liter 229 CID V6 (LC3)	4-Door Sedan	900.5 (1985)	648.0 (1429)	1548.5 (3414)	890.1 (1962)	719.5 (1587)	1609.6 (3549)
1BN35	4.4 Liter 267 CID V8 (L39)	4-Door Station Wgn.	924.9 (2039)	858.6 (1893)	1783.5 (3932)	912.7 (2012)	923.5 (2036)	1836.2 (4048)

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

CURB WEIGHT: Shipping weight plus gasoline to capacity.

* Primary mass weights are in kilograms (pounds).

VEHICLE WEIGHTS

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT METRIC (kg) - ENGLISH
AT8	Seat Asm 50/50 Reclining	1BL47	11.3 (25)
		1BL35-69	18.6 (41)
		1BN47	10.9 (24)
		1BN35-69	15.4 (34)
AU3	Electric Door Locks	2-Door Models	2.0 (4)
AU6	Power-Lock Tail Gate	4-Door Models	3.2 (7)
A31	Power Windows	Station Wagon	0.9 (2)
		2-Door Models 1BL, 1BN47	1.4 (3)
AG9	Power Seat	4-Door Models 1BL, 1BN35, 69	3.2 (7)
B37	Front and Rear Floor Mats	Used with AG1 or A42	5.0 (11)
B39	Carpet Load Floor		3.4 (7.5)
C09	Vinyl Roof Cover (Padded Vinyl)	Station Wagons	2.3 (5)
C60	Air Conditioning 4-Season	All except Station Wagons	2.4 (5)
		With V6 Engine	35.4 (78)
C61	Air Conditioning Comfortron	With V8 Engine	28.1 (62)
		With V6 Engine	36.7 (81)
F41	Suspension, Heavy Duty, Front and Rear	With V8 Engine	29.5 (65)
K30	Speed-Cruise Control		14.2 (31)
P01	Wheel Trim Covers		2.3 (5)
UA1	Heavy Duty Battery	1BL00 Models	1.4 (3)
		With V6 Engine	6.8 (15)
U63	Radio AM Pushbutton	With V8 Engine	6.8 (15)
U69	Radio AM/FM Pushbutton		3.2 (7)
U58	Radio AM/FM Stereo		3.8 (8)
UM1	Radio AM Pushbutton and Tape		7.3 (16)
UM2	Radio AM/FM Pushbutton and Tape		7.7 (17)
UN3	Radio AM/FM Stereo With Cassette Player		7.7 (17)
UP5	Radio AM/FM Monaural With Citizens Band Transceiver		7.3 (16)
UP6	Radio AM/FM Stereo With Citizens Band Transceiver		4.5 (10)
UY8	Radio AM/FM Stereo With Clock and Digital Display		7.3 (16)
UX6	Speakers Dual Front		1.4 (3)
U80	Auxiliary Speaker		0.9 (2)
VE5	Bumper Impact Strip, PVS Front and Rear		2.0 (4)
V08	Heavy Duty Radiator	1BA47-69 & LC3/LD5 - C60	0.9 (2)
		1BA47-69 & LG4/L39 - C60	2.0 (4)
		1BA35 & L39/LG4 - C60	0.9 (2)
V30	Bumper Guards Front and Rear	Sedans & Coupes	4.2 (9)
		Station Wagons	3.2 (7)
V55	Roof Luggage Carrier	Station Wagons	9.4 (21)
		1BL47 - F41	12.2 (27)
Z03	Landau Equipment	1BL47 & F41	8.6 (19)
		1BN47 - F41	10.0 (22)
		1BN47 & F41	6.8 (15)
		1BA47-69	- 6.4 (- 14)
LD5	3.8 Liter (231 CID) V6 Engine		96.2 (212)
LF9	5.7 Liter (350 CID) V8 Diesel		94.8 (209)
LG4	5.0 Liter (305 CID) V8 Engine	1BA47-69 & NA5	52.6 (116)
		1BA47-69 & NB1/NB2	51.7 (114)
		1BA35 & NA5	6.8 (15)
		1BA35 & NB1/NB2	5.9 (13)
L39	4.4 Liter (267 CID) V8 Engine	1BA47-69	49.0 (108)
MV4	3-Speed Automatic Trans.	1BA35 with L39	
		1BA47-69-35 with LG4	15.0 (33)
		1BA35 with LF9 Diesel	
M31	3-Speed Automatic Trans.	1BA47-69 with L39/LG4	5.0 (11)
		1BA35 with L39/LG4	- 9.5 (- 21)
M33	3-Speed Automatic Trans.	1BA47-69 with LG4	13.6 (30)
		1BA35 with LG4	- 1.4 (- 3)
M38	3-Speed Automatic Trans.	1BA47-69 with LD5/NB2	10.0 (22)

* Primary mass weights are in kilograms (pounds).



POWER TRAINS

POWER TEAM COMBINATIONS	2
POWER TEAM MULTIPLICATION FACTORS	3
ENGINE DATA AND RATINGS	4
ENGINE SPEED AND PISTON TRAVEL	5-6
VEHICLE PERFORMANCE FACTORS	7
PRINCIPAL COMPONENTS	8-13
FUEL SYSTEM	14
EXHAUST SYSTEM	15
EMISSION CONTROL EQUIPMENT	16
LUBRICATION SYSTEM	17
COOLING SYSTEM	18
ELECTRICAL SYSTEM	19
THREE-SPEED AUTOMATIC TRANSMISSION	20

POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	REAR AXLE RATIOS (:1)		RING GEAR mm (in)	LW. CLASS kg (lbs)
			ALL STATES			
			BASE	OPTION		
3.8 Liter V-6 (229 CID) LC3 Base - All states exc. Calif.	3-Spd. Auto. '200c' 3-Spd. Auto. '250c' †	Sedans & Coupes	2.73*	-	191 (7.50)	1758 (3875)
3.8 Liter V-6 (231 CID) LD5 Base - Calif. only	3-Spd. Auto. '350'	Sedans & Coupes	2.73*	-	191 (7.50)	1758 (3875)**
4.4 Liter V-8 (267 CID) L39 Avail. - all states exc. Calif.	3-Spd. Auto. '250c' 3-Spd. Auto. '200c' @@	Sedans & Coupes	2.41*	-	191 (7.50)	1814 (4000)
	3-Spd. Auto. '350c' 3-Spd. Auto. '250c' @@	Base - Station Wagons	2.56	-	222 (8.75)	2045 (4500)
5.0 Liter V-8 (305 CID) LG4 Avail. - all states exc. Calif.	3-Spd. Auto. '250c'	Sedans & Coupes	2.41*	-	191 (7.50)	1814 (4000)
	3-Spd. Auto. '350c'		-	3.08	216 (8.50)	
	3-Spd. Auto. '250c' 3-Spd. Auto. '350c' @@	Station Wagons	2.56	-	222 (8.75)	2045 (4500)
	3-Spd. Auto. '350c'		-	3.08		
5.0 Liter V-8 (305 CID) LG4 Available Calif. only	3-Spd. Auto. '350'	Sedans & Coupes	2.41*	-	191 (7.50)	1814 (4000)
			-	3.08	216 (8.50)	
	3-Spd. Auto. '350'	Station Wagons	2.56	3.08	222 (8.75)	2045 (4500)
5.7 Liter V-8 (350 CID) LF9 F. I. Diesel Avail. - all states	3-Spd. Auto. '350c'	Station Wagons	2.73	-	222 (8.75)	2154 (4750)

* - Limited slip axle uses 216 mm (8.50") ring gear

** - 1814 kg (4000 lbs.) for Caprice Sedan

† - Manufacturing option except on 1BL69.

@@ - Manufacturing option

MULTIPLICATION FACTORS

WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO	
3.8 Liter V-6 RPO LC3 Base - Sed. & Cpe. exc. Calif.	3-Speed Automatic '200c'	Drive	16.17:1 - 2.73:1	2.73	
		Second	16.17:1 - 4.29:1		
		Low	16.17:1 - 7.48:1		
		Reverse	13.28:1 - 5.65:1		
3.8 Liter V-6 RPO LDS Base - Sed. & Cpe. Calif. only	3-Speed Automatic '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	9.32:1 - 4.66:1		
4.4 Liter V-8 RPO L39 Avail. - Sed. & Cpe. exc. Calif.	3-Speed Automatic '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		
	3-Speed Automatic '200c'	Drive	15.51:1 - 2.41:1		
		Second	15.51:1 - 3.78:1		
		Low	15.52:1 - 6.60:1		
		Reverse	11.72:1 - 5.86:1		
5.0 Liter V-8 RPO LG4 Avail. - Sed. & Cpe.	3-Speed Automatic '250c', '350c' & '350'	Drive	12.51:1 - 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		
		3-Speed Automatic '250c', '350c' & '350'	Drive	15.52:1 - 3.08:1	3.08
			Second	15.52:1 - 4.68:1	
			Low	15.52:1 - 7.76:1	
			Reverse	11.89:1 - 5.94:1	
4.4 Liter V-8 RPO L39 Base - S. W. exc. Calif.	3-Speed Automatic '350c' & '250c'	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 RPO LG4 Avail. - S. W. all states	3-Speed Automatic '250c', '350c', '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		
		3-Speed Automatic '250c', '350c', '350'	Drive	15.52:1 - 3.08:1	3.08
			Second	15.52:1 - 4.68:1	
			Low	15.52:1 - 7.76:1	
			Reverse	11.89:1 - 5.94:1	
5.7 Liter V-8 RPO LP9 Avail. - S. W. all states	3-Speed Automatic '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	9.32:1 - 4.66:1		

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type		90° V-6 OHV			90° V-8 OHV		
Piston	Liters	3.8	3.8	4.4	5.0	5.7	
Displacement	CID	229	231	267	305	350	
No. of Cylinders		6			8		
Bore & Stroke	mm	95 x 88.4	95.6 x 86.4	88.9 x 88.4	95 x 88.4	103.85 x 85.98	
	in.	3.73 x 3.48	3.80 x 3.40	3.5 x 3.48	3.736 x 3.48	4.057 x 3.385	
Compression Ratio		8.6:1	8.0:1	8.3:1	8.6:1	22.5:1	
Taxable (SAE)	kW	25.0	25.9	29.2	33.3	39.3	
	HP	33.5	34.7	39.2	44.7	52.7	
Firing Order		1-6-5-4-3-2			1-8-4-3-6-5-7-2		
Idling Speed	Auto (in Dr)	600	550	500	500 (550)		
Comp. Press. @ Cranking Speed, Engine Hot		Two front and one rear					
Power Plant Mounting		Two front and one rear					
Measurements	Length	mm	694.4	688.3	808.7	801	
		in.	27.34	27.1	31.84	31.55	
	Width	mm	738.6	736.6	718.6	752	
		in.	29.08	29.0	28.29	29.6	
	Height	mm	720.6	—	807.5	725	
		in.	28.37	—	31.79	28.5	

ADVERTISED ENGINE RATINGS

Engine Designation			3.8 Liter V-6 (229 CID)	3.8 Liter V-6 (231 CID)	4.4 Liter V-8 (267 CID)	5.0 Liter V-8 (305 CID)	5.7 Liter V-8 (350 CID)
Availability			RPO LC3	RPO LD5	RPO L39	RPO LG4	RPO LF9
Carburetor			2-Barrel	2-Barrel	2-Barrel	4-Barrel	F.I. Diesel
Net Brake - RPM	Federal	kW	86 @ 4000	---	89 @ 3600	116 @ 4000	78 @ 3200
		HP	115 @ 4000	---	120 @ 3600	155 @ 4000	105 @ 3200
	California	kW	---	82 @ 3800	---	116 @ 4000	---
		HP	---	110 @ 3800	---	155 @ 4000	---
Net Torque - RPM	Federal	N·m	237 @ 2000	---	291 @ 2000	325 @ 1600	278 @ 1600
		lb. ft.	175 @ 2000	---	215 @ 2000	240 @ 1600	205 @ 1600
	California	N·m	---	258 @ 1600	---	312 @ 2400	---
		lb. ft.	---	190 @ 1600	---	230 @ 2400	---

ENGINE SPEED AND PISTON TRAVEL

3.8 LITER V-6 ENGINE

Engine		RPO LC3		RPO LD5	
Model Availability		Sedans & Coupes			
Transmission		3-Speed Automatic			
Rear Axle Ratio		2.73:1			
Tire Size		P205/75R15			
Crankshaft Revolutions per		Kilometer		1304.9	
		Mile		2099.4	
Crankshaft RPM @ 1 Kilometer/Hour & 1 Mile/Hour		Low	km/h	37.0	34.0
			mph	95.9	88.2
		Second	km/h	21.1	20.5
			mph	54.9	53.2
		Third	km/h	13.5	
			mph	35.0	
		Reverse	km/h	27.9	26.2
			mph	72.5	67.9
Piston Travel		Millimeter/Kilometer		756.9	739.8
		Foot/Mile		1217.6	1189.7

4.4 LITER V-8 ENGINE (RPO L39)

Model Availability		Sedans & Coupes		Station Wagons	
Transmission		3-Speed Automatic			
Rear Axle Ratio		2.41:1		2.56:1	
Tire Size		P205/75R15		P225/75R15	
Crankshaft Revolutions per		Kilometer		1152.0	
		Mile		1853.3	
Crankshaft RPM @ 1 Kilometer/Hour & 1 Mile/Hour		Low	km/h	32.6	30.0
			mph	84.7	77.9
		Second	km/h	18.7	18.1
			mph	48.5	47.0
		Third	km/h	11.9	
			mph	30.9	
		Reverse	km/h	24.6	23.1
			mph	64.0	59.9
Piston Travel		Millimeter/Kilometer		668.2	680.1
		Foot/Mile		1074.9	1094.3

ENGINE SPEED AND PISTON TRAVEL

5.0 LITER V-8 ENGINE (RPO LG4)

Model Availability		Sedans & Coupes		Station Wagons		
Transmission		3-Speed Automatic				
Rear Axle Ratio		2.41	3.08	2.56	3.08	
Tire Size		P205/75R15		P225/75R15		
Crankshaft Revs. per	Kilometer	1152.0	1472.2	1172.5	1410.6	
	Mile	1853.3	2368.5	1886.7	2270.0	
Crankshaft RPM @ 1 Kilometer/Hour & 1 Mile/Hour	Low	km/h	30.0	38.3	30.5	36.8
		mph	77.9	99.5	79.1	95.3
	Second	km/h	18.1	23.1	18.4	22.2
		mph	47.0	60.0	47.7	57.5
	Third	km/h	11.9	15.2	12.1	14.6
		mph	30.9	39.5	31.4	37.8
	Reverse	km/h	23.1	29.5	23.5	28.3
		mph	59.9	76.6	60.9	73.3
Piston Travel	Millimeter/Kilometer	668.2	853.9	680.1	818.2	
	Foot/Mile	1074.9	1373.8	1094.3	1316.6	

5.7 LITER V-8 ENGINE (RPO LF9)

Model Availability		Station Wagons	
Transmission		3-Speed Automatic	
Rear Axle Ratio		2.73:1	
Tire Size		P225/75R15	
Crankshaft Revs. per	Kilometer	1250.3	
	Mile	2012.0	
Crankshaft RPM @ 1 Kilometer/Hour & 1 Mile/Hour	Low	km/h	32.5
		mph	84.4
	Second	km/h	19.6
		mph	50.9
	Third	km/h	12.9
		mph	33.5
	Reverse	km/h	25.0
		mph	65.0
Piston Travel	Millimeter/Kilometer	705.4	
	Foot/Mile	1135.1	

VEHICLE PERFORMANCE FACTORS

Engine	3.8 Liter 229 Cu. In. 86 kW 115 HP	3.8 Liter 231 Cu. In. 82 kW 110 HP	4.4 Liter 267 Cu. In. 89 kW 120 HP	5.0 Liter 305 Cu. In. 116 kW 155 HP	5.7 Liter 350 Cu. In. 78 kW 105 HP
Model	1BL47	1BL69	1BN47	1BN69	1BN35

3-SPEED AUTOMATIC TRANSMISSION

Performance	Mass-Kilograms	1838	1865	1903	1921	2220
	Weight-Pounds	4052	4112	4195	4235	4894
Kilograms per Net Kilowatt	Federal	21.4	---	21.4	16.6	28.5
	California	---	22.7	---	16.6	---
Pounds per Net Horsepower	Federal	35.2	---	35.0	27.3	46.6
	California	---	37.4	---	27.3	---
Kilograms per Liter Displacement		483.7	490.8	432.5	384.2	389.4
Pounds per Cu. In. Displacement		17.7	17.8	15.7	13.9	14.0
Net kW/Liter Displacement	Federal	22.6	---	20.2	16.6	13.7
	California	---	21.6	---	16.6	---
Net HP/Cu. In. Displacement	Federal	0.502	---	0.449	0.508	0.300
	California	---	0.476	---	0.508	---
Power Displacement	Liter/Kilometer	87.6	87.6	89.6	101.8	125.9
	Cu. Ft./Mile	139.1	140.3	143.2	163.6	203.8
Displacement Factor	Liter/tonne kilometer	43.2	42.6	43.6	48.1	51.4
	Cu. Ft./ton mile	68.6	68.2	68.3	77.3	83.3

GLOSSARY (English equivalent is bracketed)

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

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)
5.7 Liter V-8	103.0-103.1 (4.056-4.058)
Number of Bulkheads	
3.8 Liter V-6	4
4.4, 5.0, 5.7 Liter V-8	5
Bore Spacing (C to C) - 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)
5.7 Liter V-8	117.5 (4.625)
Bearing Caps (number, material & attachment)	
3.8 Liter V-6	4, cast iron, 2-bolt
Water Jacket	Full length around each cylinder

CYLINDER HEAD

Material	Cast alloy iron
3.8 Liter V-6	Cast alloy iron
4.4, 5.0, 5.7 Liter V-8	Light weight cast iron

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)
5.7 Liter V-8	

INLET MANIFOLD

Type	
3.8 Liter V-6	6 port, single deck
4.4, 5.0, 5.7 Liter	8 port, double deck
Material	
3.8 Liter (229) V-6	Cast aluminum
3.8 Liter (231) V-6	Cast iron
4.4, 5.0, 5.7 Liter V-8	Aluminum

EXHAUST MANIFOLD

Type	
3.8 Liter (229) V-6	Log
3.8 Liter (231) V-6	Underlug
4.4, 5.0, 5.7 Liter V-8	Log
Material	
3.8 Liter (229) V-6	Cast gray iron
3.8 Liter (231) V-6	Cast iron
4.4, 5.0, 5.7 Liter V-8	Cast iron
Outlet Diameter - mm (in.)	
3.8 Liter (229) V-6	
3.8 Liter (231) V-6	44.5 (1.75)
4.4, 5.0, 5.7 Liter V-8	50.8 (2.0)

CRANKSHAFT

Material	Cast nodular iron
End Play - mm (in.)	
3.8 Liter (229) V-6	0.051-.152 (.002-.006)
3.8 Liter (231) V-6	0.08-.23 (.003-.009)
4.4 & 5.0 Liter V-8	0.051-.178 (.002-.007)
5.7 Liter V-8	0.089-.343 (.0035-.0135)
Counterweights	
3.8, 4.4, 5.0, 5.7 Liter Engines	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)
5.7 Liter V-8	
Torsional Damper	Rubber mounted inertia
Timing Gear	
Type Drive	Chain
Material	
3.8 Liter (229) V-6	Steel
3.8 Liter (231) V-6	Sintered iron
4.4, 5.0 Liter V-8	Sintered iron
5.7 Liter V-8	Steel

MAIN BEARINGS

Type	Precision, removable
Material	
3.8 Liter (229) V-6	#1 - G66 Conecc; #2, 3, 4 - M400
3.8 Liter (231) V-6	#1 upper - M400 Conecc, #1 lower - M100 Conecc, #2, 3 - M400, #4 - M100
4.4 & 5.0 Liter V-8	#1 - G66 Conecc; #2, 3, 4 - M400; #5 upper - M100; #5 lower - M400
5.7 Liter V-8	#1, 2, 3, 4, 5 upper and #5 lower - M100; #1, 2, 3, 4 lower - M400
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
5.7 Liter V-8	3
Clearance - mm (in.)	
3.8 Liter (229) V-6	
No. 1, 2, 3	0.051-.089 (.0020-.0035)
No. 4	0.013-.038 (.0005-.0015)
3.8 Liter (231) V-6	0.010-.040 (.0004-.0017)
4.4, 5.0 Liter V-8	
No. 1	0.020-.051 (.0008-.0020)
No. 2, 3, 4	0.028-.058 (.0011-.0023)
No. 5	0.043-.081 (.0017-.0032)
5.7 Liter V-8 - #1-4	0.013-.053 (.0005-.0021)
#5	0.038-.079 (.0015-.0031)

DIMENSIONS

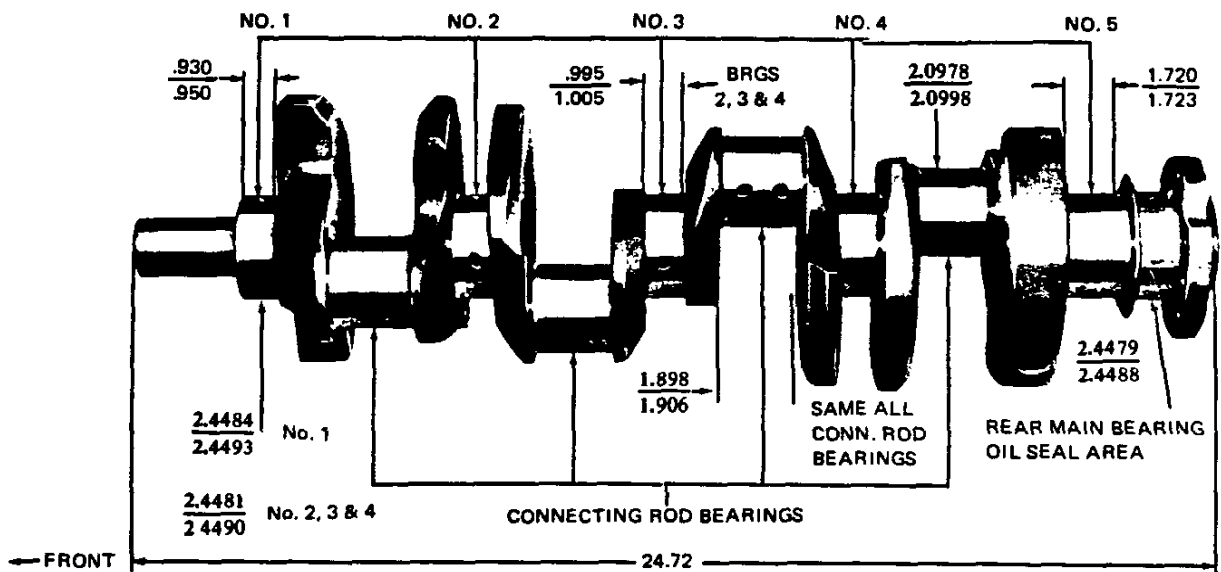
	Theoretical Inner Dia.		Effective Length		Projected Area	
	mm	in	mm	in	cm ²	in ²
3.8 Liter (229) V-6						
No. 1	62.202	2.4489	20.37	.802	12.668	1.964
No. 2-3	62.194	2.4486	20.37	.802	12.668	1.964
No. 4	62.189	2.4484	38.194	1.533	24.207	3.753
3.8 Liter (231) V-6						
No. 1, 3, 4	63.487	2.4995	21.95	.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

PRINCIPAL COMPONENTS

CRANKSHAFTS AND BEARINGS

5.0 LITER V-8 ENGINES

MAIN BEARING JOURNALS



PRINCIPAL COMPONENTS

CAMSHAFT

Material	Cast alloy iron
Drive	Sprocket and chain
Sprocket Material	
3.8 Liter (229) V-6	Cast iron
3.8 Liter (231) V-6	Aluminum-nylon
4.4, 5.0 Liter V-8	Aluminum-nylon
5.7 Liter V-8	Cast iron

Lobe Lift - mm (in.)	INLET	EXHAUST
3.8L (229) V-6	6.050 (.2382)	6.600 (.2600)
3.8L (231) V-6	6.368 (.2507)	6.104 (.2403)
4.4L V-8	6.309 (.2484)	6.942 (.2733)
5.0L V-8	6.309 (.2484)	6.774 (.2667)
5.7L V-8		

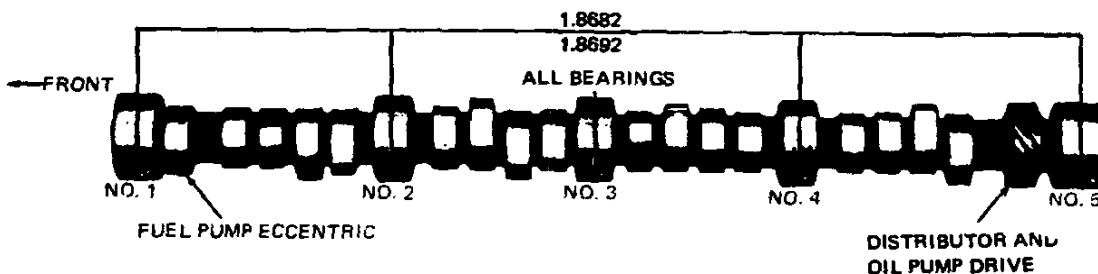
Camshaft Bearing Material Steel backed babbitt

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
5.7 Liter V-8	48
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)
5.7 Liter V-8	14.48 (.570)
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, 5.7 Liter V-8	12.7 (.500)

CAMSHAFT AND BEARINGS

5.0 LITER V-8 ENGINE



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)
5.7 Liter V-8	209.9 (8.265)

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
5.7 Liter V-8	1.60:1

Rotators

3.8 Liter (229) V-6	Exhaust
3.8 Liter (231) V-6	None
4.4, 5.0 Liter V-8	Exhaust
5.7 Liter V-8	Inlet & 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 V-8	22.05-22.45 (.868-.884)
5.7 Liter V-8	

Installed Length - N/mm (lb/in)

3.8 Liter (229) V-6 - Valve closed	338-374 @ 43 (76-84 @ 1.70)
Valve opened	Inlet - 800 (180) @ 32 (1.25); Exhaust - 845 (190) @ 32 (1.25)
3.8 Liter (231) V-6	
Valve closed	262-307 @ 44 (59-69 @ 1.34)
Valve opened	774-845 @ 34 (174-190 @ 1.34)
4.4, 5.0 Liter V-8	
Valve closed	338-374 @ 43 (76-84 @ 1.70)
Valve opened	Inlet - 778 (175) @ 32 (1.25); Exhaust - 819 (184) @ 32 (1.25)
5.7 Liter V-8	
Valve closed	349-376 @ 42 (77-83 @ 1.67)
Valve opened	658-721 @ 33 (145-159 @ 1.29)

Free Length - mm (in.)

	51.6 (2.03)
--	-------------

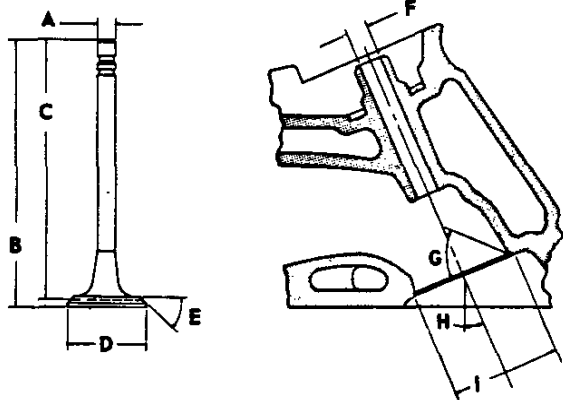
Valve Spring Damper

3.8 Liter V-6	Flat steel, 4 coils
4.4, 5.0 Liter V-8	Flat steel, 4 coils
5.7 Liter V-8	None

PRINCIPAL COMPONENTS

INLET VALVES

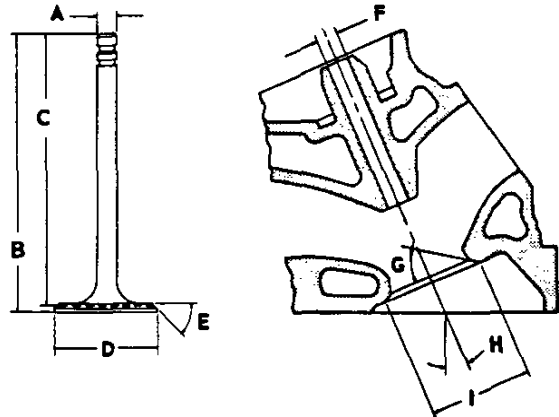
Material	
3.8 Liter (229) V-6	SAE 1541 or 1547 steel
3.8 Liter (231) V-6	1541 steel
4.4 Liter V-8	SAE 1541-H steel
5.0 Liter V-8	21-2N steel
Coating	
	None
Stems	
	Chrome flash



A - Stem Diameter - mm (in.)	
3.8 Liter (229) V-6	8.661-8.679 (.3410-.3417)
3.8 Liter (231) V-6	8.64-8.66 (.3402-.3412)
4.4, 5.0 Liter V-8	8.661-8.679 (.3410-.3417)
5.7 Liter V-8	8.700-8.717 (.3425-.3432)
B - Overall Length - mm (in.)	
3.8 Liter (229) V-6	124.52-125.03 (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	124.52-125.03-4.902-4.922
5.7 Liter V-8	127.47 (5.0185)
C - Gage Length - mm (in.)	
3.8 Liter (229) V-6	121.549-121.803 (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	121.549-121.803 (4.7854-4.7954)
5.7 Liter V-8	
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 (1.710)
4.4 Liter V-8	43.56-43.81 (1.715-1.725)
5.0 Liter V-8	46.61-46.86 (1.835-1.845)
5.7 Liter V-8	47.498-47.752 (1.87-1.88)
E - Angle of Face (°)	
3.8 Liter V-6	45
4.4, 5.0 Liter V-8	45
5.7 Liter V-8	46
F - Guide Dia. - mm (in.)	
3.8 Liter V-6	8.705-8.730 (.3427-.3437)
4.4, 5.0 Liter V-8	8.705-8.730 (.3427-.3427)
5.7 Liter V-8	8.743-8.768 (.3442-.3452)
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
5.7 Liter V-8	45
H - Valve Angle (°)	
3.8 Liter (229) V-6	23
3.8 Liter (231) V-6	
4.4, 5.0 Liter V-8	23
5.7 Liter V-8	
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)
5.7 Liter V-8	

EXHAUST VALVES

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



A - Stem Diameter - mm (in.)	
3.8 Liter (229) V-6	8.661-8.679 (.3410-.3417)
3.8 Liter (231) V-6	8.649-8.666 (.3405-.3412)
4.4, 5.0 Liter V-8	8.661-8.679 (.3410-.3417)
5.7 Liter V-8	8.687-8.705 (.3420-.3427)
B - Overall Length - mm (in.)	
3.8 Liter (229) V-6	124.71-125.02 (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	124.71-125.02 (4.910-4.930)
5.7 Liter V-8	127.699 (5.0275)
C - Gage Length - 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)
5.7 Liter V-8	
D - Overall Head Diameter - 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)*
5.7 Liter V-8	41.07-41.32 (1.617-1.627)
E - Angle of Face (°)	
3.8, 4.4, 5.0 Liter	45
5.7 Liter V-8	60
F - Guide Diameter - mm (in.)	
3.8, 4.4, 5.0 Liter	8.70-8.73 (.3427-.3437)
5.7 Liter V-8	8.743-8.768 (.3442-.3452)
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
5.7 Liter V-8	59
H - Valve Angle (°)	
3.8 Liter (229) V-6	23
3.8 Liter (231) V-6	
4.4, 5.0 Liter V-8	23
5.7 Liter V-8	
I - Valve Seat (Cutter) Dia. - mm (in.)	
3.8 Liter (229) V-6	(1.321-1.327)
3.8 Liter (231) V-6	
4.4 Liter V-8	42.2 (1.66)
5.0 Liter V-8	(1.321-1.327)
5.7 Liter V-8	

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

PRINCIPAL COMPONENTS

VALVE LIFT - mm (in.)

3.8 Liter (229) V-6	
Inlet	9.47 (.373)
Exhaust	10.4 (.410)
3.8 Liter (231) V-6	
Inlet	9.07 (.357)
Exhaust	9.3 (.366)
4.4, 5.0 Liter V-8	
Inlet	9.07 (.357)
Exhaust	9.91 (.390)
5.7 Liter V-8	
Inlet	9.53 (.375)
Exhaust	9.55 (.376)

VALVE TIMING (Crankshaft Degrees-Excluding Ramps)

3.8 Liter (229) V-6	
Inlet	
Opens - BTC	42
Closes - ABC	78
Duration	300
Exhaust	
Opens - BBC	78
Closes - ATC	52
Duration	310
3.8 Liter (231) V-6	
Inlet	
Opens - BTC	16
Closes - ABC	63
Duration	259
Exhaust	
Opens - BBC	68
Closes - ATC	29
Duration	277
4.4, 5.0 Liter V-8	
Inlet	
Opens - BTC	28
Closes - ABC	64
Duration	272
Exhaust	
Opens - BBC	78
Closes - ATC	30
Duration	288
5.7 Liter V-8	
Inlet	
Opens - BTC	16
Closes - ABC	38
Duration	234
Exhaust	
Opens - BBC	64
Closes - ATC	17
Duration	261

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
5.7 Liter V-8	
Skirt Type	
3.8 Liter (229) V-6	Closed
3.8 Liter (231) V-6	Full with transverse slot
4.4, 5.0 Liter V-8	Closed
Top Land Clearance - mm (in.)	
3.8 Liter (229) V-6	0.622-.851 (.0245-.0335)
3.8 Liter (231) V-6	1.17-1.42 (.046-.056)
4.4, 5.0 Liter V-8	0.622-.851 (.0245-.0335)
5.7 Liter V-8	0.864-1.092 (.034-.043)
Skirt Clearance - mm (in.)	
3.8 Liter (229) V-6	0.018-.107 (.0007-.0042)
3.8 Liter (231) V-6	0.020-.051 (.0008-.0020)
4.4, 5.0 Liter V-8	0.018-.107 (.0007-.0042)
5.7 Liter V-8	0.127-.152 (.005-.006)
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)
5.7 Liter V-8	
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)
5.7 Liter V-8	
Pin Bore Offset - mm (in.)	
3.8 Liter (229) V-6	1.52 (.060)
3.8 Liter (231) V-6	0.102 (.040)
4.4, 5.0 Liter V-8	1.52 (.060)
5.7 Liter V-8	None
Compression Height - mm (in.)	
3.8 Liter (229) V-6	39.57-39.67 (1.558-1.562)
3.8 Liter (231) V-6	46.4 (1.825)
4.4, 5.0 Liter V-8	39.57-39.67 (1.558-1.562)
5.7 Liter V-8	

PISTON PINS

Material	
3.8 Liter (229) V-6	SAE-1018
3.8 Liter (231) V-6	SAE-1018
4.4, 5.0 Liter V-8	SAE-1018
5.7 Liter V-8	SAE 1016 or 1019
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)
5.7 Liter V-8	73.86 (2.906)
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)
5.7 Liter V-8	27.81-27.82 (1.0949-1.0953)
Clearance in Piston - mm (in.)	
3.8 Liter (229) V-6	0.0013-.0075 (.00005-.00030)
3.8 Liter (231) V-6	0.010-.018 (.0004-.0007)
4.4 Liter V-8	0.0013-.0076 (.00005-.00030)
5.0 Liter V-8	0.0063-.0089 (.00025-.00035)
5.7 Liter V-8	0.008-.013 (.0003-.0005)

PRINCIPAL COMPONENTS

COMPRESSION RINGS – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring face
Face	
3.8 Liter (229) V-6	Barrel
3.8 Liter (231) V-6	Barrel
4.4, 5.0 Liter V-8	Radius
5.7 Liter V-8	Barrel
Coating	
3.8 Liter (229) V-6	Molybdenum filled channel
3.8 Liter (231) V-6	Molybdenum filled channel
4.4, 5.0 Liter V-8	0.010 (.0004) Chrome flash
5.7 Liter V-8	Crowned molybdenum filled O.D. face, granoseal processed
Width - mm (in.)	
3.8 Liter (229) V-6	1.96-1.98 (.0770-.0780)
3.8 Liter (231) V-6	4.27-4.52 (.168-.178)
4.4, 5.0 & 5.7 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-.168)
4.4, 5.0 Liter V-8	4.24-4.50 (.167-.177)
5.7 Liter V-8	
Gap - mm (in.)	
3.8 Liter (229) V-6	0.25-0.50 (.010-.020)
3.8 Liter (231) V-6	0.33-0.58 (.013-.023)
4.4, 5.0 Liter V-8	0.25-0.50 (.010-.020)
5.7 Liter V-8	0.38-0.63 (.015-.025)

COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	
3.8 Liter (229) V-6	Inside bevel
3.8 Liter (231) V-6	Inside bevel
4.4, 5.0 Liter V-8	Reverse twist
5.7 Liter V-8	
Face	Tapered
Coating - 4.4, 5.0 Liter V-8	Lubrited*
Width - mm (in.)	
3.8 Liter (229) V-6	1.956-1.981 (.0770-.0780)
3.8 Liter (231) V-6	1.956-1.981 (.0770-.0780)
4.4, 5.0 Liter V-8	1.969-1.981 (.0775-.0780)
5.7 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)
5.7 Liter V-8	
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 Liter V-8	0.25-0.64 (.010-.025)
5.9 Liter V-8	0.33-0.63 (.013-.025)
5.7 Liter V-8	0.38-0.63 (.015-.025)

*3.8 Liter V-6 engines Phosphate

OIL CONTROL RINGS

Type	Multi-piece (two rails & one spacer)
Material	
Rails	Steel
Spacer	Stainless steel
Rail 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)
5.7 Liter V-8	
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)
5.7 Liter V-8	
Gap - mm (in.)	
3.8 Liter (229) V-6	0.25-0.89 (.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)
5.7 Liter V-8	0.38-1.40 (.015-.055)

CONNECTING RODS

Material	
3.8 Liter (229) V-6	1037 or 1038 steel
3.8 Liter (231) V-6	Cast arma steel
4.4, 5.0 Liter V-8	1037 or 1038 steel
5.7 Liter V-8	SAE-1140 steel
Length (Center to Center) - mm (in.)	
3.8 Liter (229) V-6	144.8 (5.70)
3.8 Liter (231) V-6	151.4 (5.96)
4.4, 5.0 Liter V-8	144.8 (5.70)
5.7 Liter V-8	149.44-149.54 (5.8835-5.8875)

CONNECTING ROD BEARINGS

Material	Premium aluminum
Type	Precision removable
Clearance	
3.8 Liter (229) V-6	0.025-0.063 (.0010-.0025)
3.8 Liter (231) V-6	0.013-.066 (.0005-.0026)
4.4, 5.0 Liter V-8	0.033-.089 (.0013-.0035)
5.7 Liter V-8	0.013-.066 (.0005-.0026)
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)
5.7 Liter V-8	20.85-21.11 (.821-.831)
End Play - mm (in.)	
3.8 Liter (229) V-6	0.15-.38 (.006-.015)
3.8 Liter (231) V-6	0.15-.58 (.006-.023)
4.4, 5.0 Liter V-8	0.15-.41 (.006-.016)
5.7 Liter V-8	0.15-.51 (.006-.020)

FUEL SYSTEM

FUEL TANK

Capacity - L (gal.) (approximately)	
Sedans & Coupes	95 (25.0)
Station Wagons	83.3 (22)
Fuel Tank Location	Behind rear axle
Filler Location	
Sedans & Coupes	Behind hinged rear license plate
Station Wagons	Left rear quarter panel

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
In Carburetor Inlet	Paper

FUEL PUMP ASSEMBLY

Type	
3.8 Liter V-6	Electric
4.4, 5.0, 5.7 Liter V-8	Mechanical
Location on Engine	
3.8 Liter (229) V-6	Lower right front
3.8 Liter (231) V-6	Lower left front
4.4, 5.0, 5.7 Liter V-8	Lower right front
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)
5.7 Liter V-8	38-45 (5.5-6.5)

AIR CLEANER

Type	Replaceable paper element, single snorkel
Diameter - mm (in.)	
V-6 & 4.4 Liter V-8	305 (12.0)
5.0 Liter V-8	374.7 (14.75)
5.7 Liter V-8	

CARBURETOR

Make	Rochester
Type	
3.8 Liter V-6	Dual-jet, 2-barrel
4.4 Liter V-8	Dual-jet, 2-barrel
5.0 Liter V-8	Quadrajets, 4-barrel
SAE Flange Type - mm (in.)	38.1 (1.50)
Throttle Bore - mm (in.)	
3.8 Liter (229) V-6	35.0 (1.38)
3.8 Liter (231) V-6	36.5 (1.4375)
4.4 Liter V-8	35.0 (1.38)
5.0 Liter V-8	
Primary	35.0 (1.38)
Secondary	57.2 (2.25)
Secondary Throttle Actuation	By linkage approximately when primary valves are opened halfway between open and closed.
Venturi Diameter - mm (in.)	
3.8 Liter (229) V-6	30.9 (12.18)
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
------	----------

EXHAUST SYSTEMS

TYPE

3.8 Liter V-6 Single with crossover pipes
and converter
4.4, 5.0, 5.7 Liter V-8 Single with crossover pipes
and converter

MUFFLERS

Type Oval, reverse flow
Construction Heads and body joined by
rolled lock seam
Head Sheet metal, aluminized
Shell Sheet metal aluminized
Wrap Indented asbestos sheet
Cover Sheet metal, aluminized
Body - mm (in.)
Length 540 (21.26)
Width (I.D.) 279 (11.0)
Height (I.D.) 115 (4.51)

EXHAUST CROSSOVER - mm (in)

Dimensions (O.D.) 50.8 (2.00)

EXHAUST PIPE TO CONVERTER - mm (in)

Dimensions (O.D.) 63.5 (2.50)

EXHAUST PIPE - CONVERTER TO MUFFLER - mm (in)

4.4 Liter V-8 50.8 (2.00)
5.0 Liter V-8 57.15 (2.25)

EXHAUST PIPE - MUFFLER TO RESONATOR - mm (in)

5.0 Liter V-8 (Sedans & Coupes) 57.15 (2.25)

RESONATOR

Type (Sedans & Coupes, 3.08 ratio axle) Bottle

TAIL PIPES

Dimensions (O.D.) - mm (in.)

Sedans & Coupes 50.8 (2.00)
Station Wagons
4.4 Liter V-8 50.8 (2.00)
5.0, 5.7 Liter V-8 57.15 (2.25)

EMISSION CONTROL EQUIPMENT

SYSTEM APPLICATION

System Type	ENGINE ADAPTATION				
	3.8 Liter (229 CID)	3.8 Liter (231 CID)	4.4 Liter (267 CID)	5.0 Liter (305 CID)	5.7 Liter (350 CID) Diesel
AIR - Air Injection Reactor	a	b	a	a, b	-
CHA - Carburetor Hot Air	a	b	a	a, b	-
EFE - Early Fuel Evaporation	a	b	a	a, b	-
P-EGR - Exhaust Pressure Modulated EGR	a	b	a	a, b	-
UFC - Underfloor Converter	a	-	a	a	-
C-4 - Computer Controlled Catalytic Converter Sys.	-	b	-	b	-
EST - Electronic Spark Timing	-	b	-	-	-
FEC - Fuel Evaporation Control	a	b	a	a, b	-
PCV - Positive Crankcase Ventilation	a	b	a	a, b	a
T-EGR - Throttle Position Modulated EGR	-	-	-	-	a

- (a) Federal - 49 states
(b) California only

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 controlled 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 gases 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.

UNDER FLOOR 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.

COMPUTER CONTROLLED CATALYTIC CONVERTER SYSTEM

A system designed to monitor engine functions and through an on-board computer, combine precise electronic carburetor control of fuel-air ration near the stoichiometric with an oxidation-reduction catalytic converter to control emissions. This system achieves low levels 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

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 in during engine operation.

POSITIVE CRANKCASE VENTILATION

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

THROTTLE POSITION MODULATED EGR

Type of exhaust gas regulation used in diesels. Recirculated gas is metered by change in throttle position.

LUBRICATION SYSTEM

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	
V-6, 4.4, 5.0 Liter V-8	Splash
5.7 Liter V-8	Spray
Camshaft Bearings	Pressure
Tappets	Pressure
Timing Gears	
V-6 & 4.4 Liter V-8	Splash and nozzle
5.0 Liter V-8	Centrifugally oiled from camshaft bearing
5.7 Liter V-8	Spray
Cylinder Walls	
V-6 & 4.4 Liter V-8	Splash
5.0 Liter V-8	Pressure, jet cross sprayed
5.7 Liter V-8	Spray
Oil Pressure Sending Unit	Electric
Oil Filler	
Cap	Positive seal
Location	Left valve rocker cover

OIL PAN CAPACITIES

Refill - Liters (quarts)	
V-6 & 4.4, 5.0 Liter V-8	3.8 (4.0)
5.7 Liter V-8	7.1 (7.5)
Refill with Filter Change - L (qts.)	
3.8 Liter V-6	4.09 (4.31)
4.4, 5.0 Liter V-8	4.37 (4.625)
5.7 Liter V-8	

LUBRICANT GRADES AND TEMPERATURES

3.8 Liter V-6 & 4.4, 5.0 Liter V-8	
-6.6°C (20°F) and 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) and below	5W-20, 10W-30
5.7 Liter V-8	
0°C (32°F) and above	SAE-30
0°C (32°F) and below	SAE 10W-30

OIL PUMP

Type	Gear
Regulator Valve	Opens between 276-310 kPa (40-45 psi)
Oil Pressure - kPa (psi)	
3.8 Liter (229) V-6	310 (45)
3.8 Liter	234.5 (34)
4.4, 5.0 Liter V-8	310 (45)
5.7 Liter V-8	207-310 (30-45)
Intake, Type	Stationary, fixed pickup with screen
Capacity - l/km (GPM)	
@ engine RPM	10.12 (4.3) @ 2000

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, 5.7 Liter V-8	Left rear side of engine
Capacity - Liters (qts.)	
3.8 Liter V-6	0.29 (0.31)
4.4, 5.0, 5.7 Liter V-8	0.59 (0.625)
Bypass Valve -	
Opens between kPa (psi) drop in pressure:	
3.8 Liter (229) V-6	62-76 (9-11)
3.8 Liter (231) V-6	68.9-82.7 (10-12)
4.4 Liter V-8	68.9-82.7 (10-12)
5.0 Liter V-8	68.9 (10)
5.7 Liter V-8	

OIL DIPSTICK LOCATION

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

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
5.7 Liter V-8	
Size of Hex Head - mm (in.)	21.84-22.23 (.860-.875)
Thread Size	1/2-20 UNF-2A
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	13.46 (14.22)
3.8 Liter (231) V-6	11.16 (11.79)
4.4 Liter V-8	
Sedan and Coupe	16.12 (17.03)
Station Wagon	14.82 (15.66)
5.0 Liter V-8	14.64 (15.47)
5.7 Liter V-8	15.51 (16.39)

RADIATOR

Type Cross flow, tube and center

Core Constant and Thickness

Distance between fins - mm (in.)	
3.8 Liter (229) V-6	5.6 (.22)
3.8 Liter (231) V-6	5.1 (.20)
4.4 Liter V-8	4.0 (.16)
5.0 Liter V-8	
Federal	4.0 (.16)
California	3.5 (.14)
5.7 Liter V-8	3.6 (.14)

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	25.0 (.98)
5.7 Liter V-8	48.8 (1.92)

Frontal Area - cm ² (in. ²)	
3.8 Liter V-6	2278 (353)
4.4, 5.0 Liter V-8	2865 (444)
5.7 Liter V-8	3097 (480)

Overflow	Separate coolant bottle
--------------------	-------------------------

RADIATOR, HEAVY DUTY (RPO V08)

Constant Core & Thickness

Distance between fins - mm (in.)	
3.8 Liter V-6	4.1 (.16)
4.4 Liter V-8	
Sedan & Coupe	3.0 (.12)
Wagon	3.5 (.14)
5.0 Liter V-8	3.5 (.14)
5.7 Liter V-8	3.6 (.14)

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	
Sedan & Coupe	25.0 (.98)
Wagon	40.2 (1.58)
5.0 Liter V-8	40.2 (1.58)
5.7 Liter V-8	48.8 (1.92)

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	2878 (446)
5.7 Liter V-8	3097 (480)

RADIATOR CAP RELIEF VALVE

Opens @ kPa (psi) Approx. 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 & Type	One, molded
Inner Dia. - mm (in.)	38.1 (1.50)

Inlet, Upper (Thermostat Hsg. to Radiator)

Number & Type	One, molded
Inner Dia. - mm (in.)	38.1 (1.50)

FAN

Diameter - mm (in.)	483 (19.0)
Number of Blades	
3.8 Liter (229) V-6	4, staggered
3.8 Liter (231) V-6	5, staggered
4.4, 5.0 & 5.7 Liter V-8	4, staggered
Fan Pulley P. D. - mm (in.)	
3.8 Liter V-6	178 (7.00)
4.4, 5.0 Liter V-8	178 (7.00)
5.7 Liter V-8	183 (7.20)
Fan Cut-Out Type	
3.8 Liter (231) V-6	Clutch

BELT - CRANKSHAFT, FAN & ALTERNATOR

Number Used	One
Angle of 'V' (°)	34-38
Pitch Line - mm (in.)	
3.8 Liter (229) V-6	1194 (47.0)
3.8 Liter (231) V-6	1143 (45.0)
4.4, 5.0 Liter V-8	1194 (47.0)
5.7 Liter V-8	1245 (49.0)
Width - mm (in.)	9.6 (.380)

WATER PUMP

Type	Centrifugal
Bearing	Permanently lubricated double row ball
Drive	'V' belt
Ratio (pump to engine RPM)	
3.8 Liter V-6	0.95:1
4.4, 5.0 Liter V-8	0.95:1
5.7 Liter V-8	0.85:1

DRAIN LOCATIONS

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

ELECTRICAL SYSTEM

SUPPLY SYSTEM

Battery

Type	Freedom
Voltage Rating and Watts	
3.8 Liter (229) V-6	12-3200
3.8 Liter (231) V-6	12-2500
4.4, 5.0 Liter V-8	12-3200
5.7 Liter V-8	12-4000
Cold Cranking Rating (min. res. cap.)	
3.8 Liter (229) V-6	80
3.8 Liter (231) V-6	60
4.4, 5.0 Liter V-8	80
5.7 Liter V-8	125
Terminal Grounded	Negative
Location	Right front side of engine compartment

ALTERNATOR

Type	Diode rectified
Rating - Amps	
3.8 Liter (229) V-6	37
3.8 Liter (231) V-6	42
4.4, 5.0 Liter V-8	37
5.7 Liter V-8	55
Volts	12-15
Driven By	"V" belt
Pully P. D. - mm (in.)	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
5.7 Liter V-8	

REGULATOR

Type	Micro circuit unit; integral with alternator
Voltage	13.8-14.8

IGNITION SYSTEM

Type	H.E.I. (High Energy Ignition)
Distributors	Refer to chart

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 core impregnated with electrical conducting material and insulation of rubber with neoprene jacket.

STARTING SYSTEM

Starting System	
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

DISTRIBUTOR	3.8 Liter (229) V-6 RPO LC3	3.8 Liter (231) V-6 RPO LD5	4.4 Liter V-8 267 CID RPO L39		5.0 Liter V-8 305 CID RPO LG4	
Model	1110752	(1110784)	1103387 (a)	1103383 (b)	1103884	(1103386)
Type	High Energy Ignition (HEI)					
Centrifugal Adv. 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		10 @ 27.0		15 @ 40.5	16 @ 25.3
Timing (Initial Design Setting) Crankshaft Degrees @ RPM (Vacuum line disconnected)	10° BTC		4° BTC	2° BTC	4° BTC	4° BTC
Timing Mark Location	Torsional damper					

(a) - Sedans & Coupes
(b) - Station Wagons

TRANSMISSIONS

THREE-SPEED AUTOMATIC TRANSMISSION

Application		Sedans, Coupes & Station Wagons	Sedans & Coupes	
General Data	Type	Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse		
	Selector Lever	Location	Steering column	
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump	
		Quadrant pattern	P-R-N-D-L2-L1	
	Parking Lock	Type	Locking pawl	
		Operation	Applied by selector lever through manual linkage	
	Method of cooling	Water		
	Flywheel assembly	Steel stamping with welded on ring gear		
Oil pressure pump	Supplies hydraulic pressure from an engine driven gear type pump			
Hydraulic System	Type	Steel spool valve		
	Valves	Manual	Establishes range of transmission operation	
		Pressure regulator	Provides main line pressure	
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1	
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2	
	Modulator	Regulates line pressure with modulator oil pressure which varies with torque to transmission		
	Accumulator	Provides greater flexibility in attaining desired shift quality for various engine requirements		
	Pressure @ Idle (a)	Drive	60	55
		L2	87	80
		L1	87	80
Reverse		91	84	
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 and outer steel shells		
	Stator assembly	Aluminum multivane type blades mounted on a one way (overrunning) roller clutch		
	Stall ratio	2.00	2.35	
	Stall speed (RPM)	2110		
	Diameter (nominal) - mm (in)	298 (11.75) & 310 (12.2)	298 (11.75)	
Planetary Gear Set	Reaction carrier assembly	4 steel pinion gears		
	Output carrier assembly	4 steel pinion gears		
	Intermediate band	Circular steel with organic lining		
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1	2.74 - 1.57 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1	2.74 - 1.57:1
		L1 (Low one)	2.52:1	2.74:1
R (Reverse)		1.93:1	2.07:1	
Servo Unit	Piston with release spring and inner cushion spring			
Case	Material	Aluminum		
Clutches	Type	Four, multiple disk	Three, multiple disk	
	Material	Driven plates	Steel with bonded organic facings	
		Driven plates	Flat steel	
	Forward clutch	5 each drive & driven plates	4 each drive & driven plates	
	Direct clutch	4 each drive & driven plates	3 each drive & driven plates	
	Intermediate clutch	3 each drive & driven plates	---	
	Low & Reverse clutch	5 each drive & driven plates	4 each drive & driven plates	
Release spring	Radial row steel coil			
Torque Multiplication	Drive (maximum)	5.04:1 to 1.00	6.44:1 - 1.00	
	Low 2	5.04:1 to 1.52	6.44:1 - 1.57	
	Low 1	5.04:1 to 2.52	6.44:1 - 2.74	
	Reverse	3.86:1 to 1.93	4.86:1 - 2.07	
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	9.5 liters (20 pints)	9.5 liters (20 pints)
Refill		3.8 liters (8 pints)	3.3 liters (7 pints)	

(a) 600 RPM input

BODY

EXTERIOR PAINT PROCESS	2
EXTERIOR COLORS AND VINYL ROOF COMBINATIONS	3
EXTERIOR-INTERIOR COLORS	4-8
BODY CONSTRUCTION AND GLASS AREA	9

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 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 priming steps.

EXTERIOR-INTERIOR COLORS

1980 CHEVROLET 'B' EXTERIOR COLOR VINYL ROOF COMBINATIONS

EXTERIOR COLOR	CODE	FISHER W.A.	VINYL ROOF COLOR						
			11T C/O	19T C/O	21T LT. BLUE	44T DK. GREEN	63T LT. CAMEL	76T DK. CLARET	85T GRAY
			WHITE	BLACK					
White C/O	11	3967	X	X	X	X	X	X	X
Silver Met. C/O	15	7022	X	X				X	X
Dk. Claret Met.	76	7112	X	X			X	X	
Dk. blue Met.	29	7103	X	X	X		X		X
Black C/O	19	848	X	X	X		X	X	X
Lt. Blue Met.	21	7102	X	X	X				
Beige	59	7084		X			X	X	
Dk. Green Met.	44	7105	X	X		X			
Gray	85	7101	X	X				X	X
Yellow	50	7100	X	X					X
Lt. Camel Met.	63	7136	X	X				X	X
Med. Camel Met.	69	7137	X	X			X		
Cinnabar	77	7104	X	X					
Claret	75	7111	X	X			X	X	

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

CUSTOM TWO-TONE COLORS		CODE
Black	Silver	19/15
Black	Gray Met.	19/16
Black	Gray Met.	19/85
Lt. Blue	Med. Blue	21/22
Dk. Blue	Lt. Blue	29/21
Lt. Camel	Beige	63/59
Dk. Claret	Claret	76/75
Dk. Claret	Gray	76/85
Gray	Gray Met.	85/16
Lt. Camel	Med. Camel	63/69

VINYL ROOF COLOR						
11T C/O	19T C/O	21T LT. BLUE	44T DK. GREEN	63T LT. CAMEL	76T DK. CLARET	85T GRAY
WHITE	BLACK					
	X					
	X					
	X					
		X				
				X		
					X	
					X	
						X
				X		

EXTERIOR-INTERIOR COLORS

1980 CHEVROLET 'B' INTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM											
		Black		Dk. Blue		Willow Green		Camel Tan		Claret		Oyster	
		Cloth	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	
Impala - 1BL00													
Sedan (69)	(A52) Bench		26N	26B		44B	62N	62B	79N	79B	12N		
Coupe (47)	(A52) Bench		26N	26B		44B	62N	62B	79N	79B	12N		
Station Wagon (35)	(A52) Bench		26N				62N	62B	79N	79B	12N		
Caprice Classic - 1BN00													
Sedan (69)	(A52) Bench	19D	26V	26D		44D	62V	62D	79V	79D			
Sedan (69)	(AT8) 50-50	19D	26V	26D			62V	62D	79V	79D			
Coupe (47)	(A52) Bench	19D	26V	26D		44D	62V	62D	79V	79D			
Coupe (47)	(AT8) 50-50	19D	26V	26D			62V	62D	79V	79D			
Station Wagon (35)	(A52) Bench		26V	26D	44V	44D	62V	62D	79V				
Station Wagon (35)	(AT8) 50-50		26V	26D			62V	62D	79V				
Caprice Luxury Interior - 1BN00													
Sedan (69)	(AT8) 50-50			26E				62E		79E		12E	
Coupe (47)	(AT8) 50-50			26E				62E		79E		12E	

CLOTH & VINYL USAGE

- N - Derma vinyl
- B - Dover knit cloth
- V - Sierra vinyl
- D - Sumatra velour cloth; Dillon bolster
- E - Madeira velour cloth

EXTERIOR-INTERIOR COLORS

1980 CHEVROLET 'B' 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
Dk. Blue Met.	29		X		X		X
Black C/O	19	X	X	X	X	X	X
Lt. Blue Met.	21	X	X				
Beige	59	X	X	X	X	X	
Dk. Green Met.	44			X	X		
Gray	85	X	X		X	X	X
Yellow	50	X			X		
Lt. Camel Met.	63				X		
Med. Camel Met.	69	X			X		
Cinnabar	77	X			X		X
Claret	75					X	X

CUSTOM TWO-TONE COLORS			BLACK	BLUE	GREEN	CAMEL	CLARET	OYSTER
Black	Silver	19/15	X				X	X
Black	Gray Met.	19/16	X				X	X
Black	Gray	19/85	X				X	X
Lt. Blue	Med. Blue	21/22		X				
Dk. Blue	Lt. Blue	29/21		X				X
Lt. Camel	Beige	63/59				X		
Lt. Camel	Med. Camel	63/69				X		
Dk. Claret	Claret	76/75				X	X	X
Dk. Claret	Gray	76/85				X	X	X
Gray	Gray Met.	85/16	X				X	X

REGULAR TWO-TONE			BLACK	BLUE	GREEN	CAMEL	CLARET	OYSTER
Lower	Upper	Code						
Lt. Blue	White	21/11	X	X				
Dk. Green	Beige	44/59	X	X	X	X	X	
Yellow	White	50/11	X			X		
Lt. Camel	Beige	63/59				X		
Med. Camel	Beige	69/59	X			X		
Dk. Claret	Beige	76/59				X	X	X
Cinnabar	Beige	77/59	X			X		X
Gray	White	85/11	X	X		X	X	X

EXTERIOR-INTERIOR COLORS

1980 CHEVROLET 'B' BODY SIDE MOLDING AND STRIPE, WITHOUT VINYL ROOF

EXTERIOR COLOR	COLOR CODE			MOLDING RPO B84	STRIPE RPO D85
	L	U	T		
White C/O	11	11			
Silver Met. C/O	15	15			
Dk. Claret Met.	76	76	59		
Dk. Blue Met.	29	29			
Black C/O	19	19			
Lt. Blue Met.	21	21	11		
Beige	59	59			
Dk. Green Met.	44	44	59		
Gray	85	85	11		
Yellow	50	50	11		
Lt. Camel Met.	63	63	59		
Med. Camel Met.	69	69	59		
Cinnabar	77	77	59		
Claret	75	75			

L = Lower
U = Upper
T = Two-Tone

RPO D85 - BODY SIDE ACCENT STRIPE

STRIPE IDENTIFICATION (DECAL)

11A	White	WMH 3967
13A	Silver	WMH 4575
19A	Black	WMH 848
27A	Blue	WMH 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
44Q	Dk. Green Met.	WPV 7105
63Q	Lt. Camel Met.	WPV 7136
76Q	Dk. Claret Met.	WPV 7112
85Q	Gray	WPV 7101
99Q	***	

***When RPO Wood Grain is specified on 1BN35,
the molding matches NMH 575, Med. Oak.

EXTERIOR-INTERIOR COLORS

1980 CHEVROLET "B" BODY SIDE MOLDING STRIPES, VINYL ROOF, AND EXTERIOR, INTERIOR COMBINATIONS

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

EXTERIOR-INTERIOR COLORS

1980 CHEVROLET (1BA00)

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

CUSTOM TWO-TONE EXTERIOR COLORS		BODY SIDE STRIPE COLORS	RPO B84 BODY SIDE MOLDING	RPO VINYL TOP COLORS
BODY (U & L)	ACCENT (M)			
Black WA 848	Silver Met. WA 7022	Red /Black WMH 4409 WMH 848	Gray 85Q	Black 19T
Black WA 848	Gray Met. WA 7054	Red /Silver WMH 4409 WMH 4575	Gray 85Q	Black 19T
Black WA 848	Gray WA 7101	Red /Black WMH 4409 WMH 848	Gray 85Q	Black 19T
Lt. Blue Met. WA 7102	Med. Blue Met. WA 7129	Silver /Blue WMH 4575 WMH 7187	Lt. Blue Met. 21Q	Lt. Blue Met. 21T
Dk. Blue Met. WA 7103	Lt. Blue Met. WA 7102	Silver /Blue WMH 4575 WMH 7187	Lt. Blue Met. 21Q	None Available
Lt. Camel Met. WA 7136	Beige WA 7084	Gold /Brown WMH 7083 WMH 7231	Lt. Camel Met. 63Q	Lt. Camel Met. 63T
Lt. Camel Met. WA 7136	Med. Camel Met. WA 7137	Gold /Brown WMH 7083 WMH 7231	Lt. Camel Met. 63Q	Lt. Camel Met. 63T
Dk. Claret Met. WA 7112	Claret Met. WA 7111	Gold /Black WMH 7083 WMH 848	Dk. Claret Met. 76Q	Dk. Claret Met. 76T
Dk. Claret Met. WA 7112	Gray WA 7101	Gold /Black WMH 7083 WMH 848	Gray 85Q	Dk. Claret Met. 76T
Gray WA 7101	Gray Met. WA 7054	Red /Black WMH 4409 WMH 848	Gray 85Q	Gray 85T

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Type Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Doors, front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner fender skirts. Double panel roof construction with integral front and rear headers and side rails.

DOORS AND LOCKS

Door construction Double steel panels, with side guard beam. Doors hinged at front.
 Door handles Pull-type exterior. Free-wheeling inside door handles on all doors.
 Front door glass Full ventless windows on all models.

HOOD AND TRUNK LID

Type Counterbalanced with gas springs.
 Hood release Internal; to left of steering column under instrument panel.

VENTILATION

High level air intake for passenger compartment with double wall plenum chamber. Astro Ventilation with instrument panel outlets standard on all.
 Flow through ventilation Air enters cowl plenum thru concealed cowl high air intake and passes into the passenger compartment thru two upper level vents in the instrument panel and a lower vent below the panel. To assure constant flow, the heater blower moves air thru the lower vent whenever the ignition is on and the engine coolant is 95°F or higher. To exit, air passes under the rear seat cushion into the trunk, and rear quarters to baffle type outlets on door lock pillars.

SEAT CONSTRUCTION

Type
 All seat cushions and backrests Formed polyfoam

WINDSHIELD WIPERS AND WASHERS

Type Concealed dual 2-speed electric with 18" blades.
 Linkage Parallel action with articulated left arm.

HEADLIGHTS Dual, rectangular lamps all models.

SPARE TIRE AND TOOLS

Location Sedans and Sport Coupes, angled on center of shelf in trunk compartment; station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Tools consist of side frame jack with combination lever handle and wheel nut wrench mounted on diagonal brace in R. H. wheelhouse.

STATION WAGON REAR WINDOW & TAILGATE

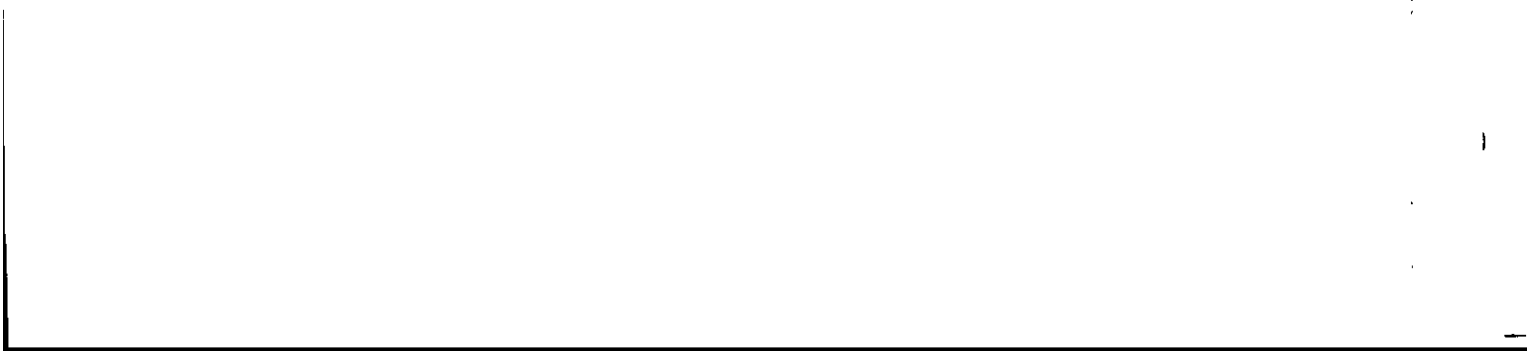
Operation Three way tailgate design with exterior handle. Power tailgate glass standard. Can be used as a door with glass up. When used as a gate, glass must first be lowered
 Stowage compartment A new lockable stowage compartment, located in the rearmost part of the left quarter panel, is base equipment for all station wagon models. This is made possible by the relocation of the fuel tank to a position underneath the underbody.

BODY GLASS VISIBILITY AREA ⊕

	MODELS		
	69	47	35
Windshield	8619 (1335.9 in. ²)		
Front Door Window	5705 (884.3 in. ²)	8759 (1357.6 in. ²)	5705 (884.3 in. ²)
Rear Door Window	6299 (976.3 in. ²)	---	5531 (857.3 in. ²)
Rear Quarter Window	---	2236 (346.6)	8712 (1350.4)
Rear Window	5451 (844.9 in. ²)	5665 (878.1)	4661 (722.5 in. ²)
Total Area (Sq. In.)	26074 (4041.4)	25279 (2918.2)	33228 (5150.4 in. ²)

All window glass curved safety solid plate except curved laminated safety windshield.

⊕Primary dimensions cm² (secondary dimensions in.²)



CHASSIS

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

FRAME AND FRONT SUSPENSION

FRAME

Description All-welded perimeter frames with front crossmember for all models; rear axle upper control arm crossmember for sedans and coupes; center crossmember for wagons. Tubular trans.

Construction All box section front and rear end assemblies. Open channel center rails for crossmember sedans and coupes, box section for wagons. Open channel kickup for wagons, box section for sedans and coupes. Front crossmember rear braces for all models, front braces for wagons.

Body Mounting 8 each side of frame - 14 double cushion and 2 single cushion.

FRONT SUSPENSION

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

Wheel travel (design)

Total 198.1 mm (7.80 in.)

Jounce 90.4 mm (3.56 in.)

Rebound 107.7 mm (4.24 in.)

Wheel to spring, travel ratio 2.06:1

CONTROL ARMS

Description Reinforced steel stamping with pre-loaded, steel encased rubber bushings at pivot.

STEERING KNUCKLES

Description Nodular iron with integral steering arm

Spindle diameters

Inner bearing 31.7 mm (1.25 in.)

Outer bearing 19 (0.75)

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

Wheel bearing

Type Taper roller

Number Two per spindle

SPHERICAL JOINTS

Type Ball studs, upper self-adjusting for wear, lower has a wear indicator

Bearing surfaces

Upper Two bearings; upper surface teflon coated phenolic; lower surface teflon cotton composition

Lower One bearing; steel

SHOCK ABSORBERS

Type Direct, double-acting, hydraulic

Piston diameter 25 mm (1.0)

STABILIZER BAR

Type Link

Material HR steel

Diameter - mm (in)

Sedan & Coupe 26 (1.0)

RPO F41 29 (1.14)

Station Wagon 28 (1.1)

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) $+0.8 \pm 0.5$

Caster (degrees) 3.0 ± 0.5

Toe-in (total) 0.15 ± 0.05

Steering axis inclination (degrees) $9.785 @ 1^\circ$ camber

GENERAL SUSPENSION PROVISIONS

Car leveling Front stabilizer bar

Anti-dive control Angle of front upper control arm

Anti-squat control Rear suspension geometry

FRAME AND FRONT SUSPENSION

FRONT SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

FRONT SPRING SPECIFICATIONS

Model	Engine	Part No.	Assy Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Heights			
				mm	in	mm	in		N/mm	lbs/in	Free		Working	
											mm @ N	in @ lbs		
Sedans & Coupes	V-6	14003385	BFM	3347.0	131.8	15.8	.62	8.83	47.0	268	457.9	18.03	300 @ 7420	11.81 @ 1668
		14003386	BFN	3347.0	131.8	15.8	.62	8.83	47.0	268	463.0	18.23	300 @ 7660	11.81 @ 1722
		14003387	BFR	3540.0	139.4	16.1	.63	9.33	47.0	268	468.1	18.43	300 @ 7900	11.81 @ 1776
		14003388	BFS	3540.0	139.4	16.1	.63	9.33	47.0	268	473.2	18.63	300 @ 8140	11.81 @ 1830
		14003389	BFT	3671.0	144.5	16.3	.64	9.66	47.0	268	478.3	18.83	300 @ 8380	11.81 @ 1884
		14003390	BFU	3675.0	144.7	16.3	.64	9.67	47.0	268	483.4	19.03	300 @ 8620	11.81 @ 1938
	V-8	370962	ASS	3649.4	143.7	16.8		9.76	52.5	300	479.6	18.88	300 @ 9430	11.81 @ 2120
		370975	ARF	3070.1	120.8	15.8	.62	8.1	52.5	300	439.0	17.28	300 @ 7300	11.81 @ 1640
		370976	ARH	3070.9	120.9	15.8	.62	8.1	52.5	300	444.2	17.49	300 @ 7570	11.81 @ 1700
		370977	ARJ	3306.1	130.2	16.2	.64	8.7	52.5	300	449.1	17.68	300 @ 7830	11.81 @ 1760
		370978	ARK	3306.9	130.2	16.2	.64	8.7	52.5	300	454.3	17.89	300 @ 8100	11.81 @ 1820
		370979	ARM	3431.0	135.1	16.4	.65	9.01	52.5	300	459.4	18.09	300 @ 8370	11.81 @ 1880
		370980	ARN	3431.8	135.1	16.4	.65	9.01	52.5	300	464.3	18.38	300 @ 8630	11.81 @ 1940
		370981	ARR	3560.0	140.2	16.6	.65	9.34	52.5	300	469.5	18.48	300 @ 8900	11.81 @ 2000
370982	ARS	3560.8	140.2	16.6	.65	9.34	52.5	300	474.6	18.68	300 @ 9170	11.81 @ 2060		
Station Wagons	All V-8 exc. RPO LF9	462549	AXR	2837.0	111.7	16.2	.64	7.45	64.0	365	415.8	16.38	300 @ 7410	11.81 @ 1665
		378538	APK	3042.6	119.8	16.6	.65	7.98	64.0	365	421.1	16.58	300 @ 7740	11.81 @ 1740
		378539	APM	3043.5	119.8	16.6	.65	7.98	64.0	365	426.2	16.78	300 @ 8070	11.81 @ 1815
		370994	ASH	3124.2	123.7	16.8	.66	8.23	64.0	365	431.4	16.98	300 @ 8410	11.81 @ 1890
		370995	ASJ	3143.0	123.7	16.8	.66	8.23	64.0	365	436.5	17.18	300 @ 8740	11.81 @ 1965
		370996	ASK	3369.8	132.7	17.2	.68	8.8	64.0	365	441.8	17.38	300 @ 9080	11.81 @ 2040
	RPO LF9	370997	ASM	3370.5	132.7	17.2	.68	8.8	64.0	365	447.0	17.60	300 @ 9410	11.81 @ 2116
		462552	AXU	3039.0	119.6	17.0	.67	7.94	70.0	400	419.4	16.51	300 @ 8360	11.81 @ 1879
		462553	AXW	3143.0	123.7	17.2	.68	8.20	70.0	400	424.6	16.72	300 @ 8720	11.81 @ 1960
		462554	AXX	3144.0	123.8	17.2	.68	8.20	70.0	400	429.7	16.92	300 @ 9080	11.81 @ 2041
		462555	AXY	3362.0	132.4	17.6	.69	8.75	70.0	400	434.9	17.12	300 @ 9440	11.81 @ 2122

STEERING, DRIVELINE, WHEELS AND TIRES

STEERING

Wheel	
Type	Round with center shroud
Diameter	387.3 mm (15.25 in.)
Optional	Tilt steering shaft universally jointed at base of steering wheel; 6 positions; 5 inch vertical travel range.
Column	
	Energy absorbing mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions.
Gear-Power (Standard)	
Type	Integral, recirculating ball nut, with hydraulic pressure provided from a vane type pump.
Ratios, Gear	
Sedans and Coupes	14.0:1
Station Wagons	16.0:1 on center
Ratios, Overall	
Sedans and Coupes	18.0:1
Station Wagons	18.8:1 on center
Number of Turns, Lock to Lock	
Sedans and Coupes	3.16
Station Wagons	3.30
Linkage	
	Parallelogram, front of wheels, 2 tie rods
Turning Diameter - Outside Front - m (ft.)	
Wall to Wall	
Sedans and Coupes	13.58 (44.55)
Station Wagons	13.75 (45.11)
Curb to Curb	
Sedans and Coupes	11.83 (38.81)
Station Wagons	12.08 (39.63)
Outside wheel angle with inside wheel @ 20°	
Sedans and Coupes	19.60°
Station Wagons	19.286°

DRIVELINE

Type	Straight tube
Number Used	One
Diameter (O.D.) - mm (in.)	69.9 (2.75)
Length - mm (in.)	
7.50" Ring Gear	1489 (58.63)
8.50" & 8.75" Ring Gear	1464 (57.65)
Wall Thickness - mm (in.)	1.65 (0.65)
Universal Joints	
Type	Single Cardan
Number Used	Two
Bearings	Prepacked anti-friction

WHEELS

Type	Steel, short spoke disc
Size - Sedans & Coupes	
Millimeters	381 x 152.4
Inches	15 x 6.0
Station Wagons	
Millimeters	381 x 177.8
Inches	15 x 7.0
Offset - mm (in.)	
Sedans and Coupes	12.7 (0.50)
Station Wagons	7.62 (0.30)
Attachment to Hub	
Type	5 hex nuts
Thread size	1/2-20 UNF 2B
Bolt Circle Diameter - mm (in.)	
Sedans and Coupes	120.65 (4.75)
Station Wagons	127.0 (5.0)

TIRES, STANDARD EQUIPMENT

Sedans and Coupes		Steel belted radial
Size		P205/75R15
Sidewall		
Base		Blackwall
Optional		White stripe*
Static Loaded Radius		
Millimeters		
Inches		
Loaded rev/km @ 72 kmh		478
Loaded rev/mi @ 45 mph		769
Capacity @ 165.48 kPa		607
Capacity @ 24 PSI		1338
Station Wagons		
Type		Steel belted radial
Size		P225/75R15*
Sidewall		
Base		Blackwall
Optional		White stripe*
Static Loaded Radius		
Millimeters		318.2
Inches		12.53
Loaded rev/km @ 72 kmh		458
Loaded rev/mi @ 45 mph		738
Capacity @ 165.48 kPa		740
Capacity @ 24 PSI		1631

TIRES, OPTIONAL EQUIPMENT

Sedans & Coupes		
Size		P225/70R15, P215/75R15 & P225/75R15
Type		Steel belted radial
Side wall		Whitewall

SPARE TIRE - STANDARD

Type		Compact
Size		
Sedan & Coupe		T125/80D16
Station Wagon		T125/90D16

WHEEL - SPARE TIRE

Compact Spare Tire	16 x 4
--------------------	--------

* Optional sealant tire available.

REAR AXLE AND SUSPENSION

REAR AXLE

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

Drive pinion to ring gear offset - mm (in.)

7.50" Ring Gear 38.1 (1.50)
8.50 & 8.75" Ring Gear 44.5 (1.75)

Hypoid gear PD (See Power Train Section, page 2, for application)

2.41, 2.73 190.5 mm (7.50 in.)
2.41, 2.73, 3.08 213.9 mm (8.50 in.)
2.56, 2.73, 3.08 222.2 mm (8.75 in.)

Pinion bearing adjustment Shim
Lubricant

Type GL-5 Gear Lubricant
Viscosity 80W-90

Capacity - litres (pints)

7.50 Hypoid gear P.D. 1.5 (3.25)
8.50 & 8.75 Hypoid Gear P.D. 1.9 (4.0)

AXLE SHAFT

Type Forged and hardened steel with integral drive flange
Wheel bearings Single row cylindrical roller, one per wheel
Oil seal Steel encased, spring loaded synthetic rubber

RING AND PINION GEAR TOOTH COMBINATIONS

7.50 Ring gear diameter
2.73 41, 15
2.41 41, 17
8.50 Ring gear diameter
2.41 41, 17
2.73 41, 15
3.08 40, 13

RING AND PINION GEAR TOOTH COMBINATIONS

8.75 Ring gear diameter
2.56 41, 16
2.73 41, 15
3.08 40, 13

POSITRACTION DIFFERENTIAL (See Power Trains)

Type Two pinion with multiple disc clutch

REAR SUSPENSION, REGULAR PRODUCTION

Description Four-link type.
Two upper control arms bias mounted and two lower control arms parallel mounted.

Wheel Travel (design)

Total

Sedans and Coupes 239.0 mm (9.41 in.)
Station Wagons 213.1 mm (8.39 in.)

Jounce

Sedans and Coupes 122.7 mm (4.83 in.)
Station Wagons 101.1 mm (3.98 in.)

Rebound

Sedans and Coupes 116.3 mm (4.58 in.)
Station Wagons 112.0 mm (4.41 in.)

Wheel to spring travel ratio 1.01:1

SHOCK ABSORBERS

Type Direct double acting, hydraulic
Piston diameter 25 mm (1.0 in.)

REAR AXLE AND SUSPENSION

REAR SPRING

Selected from a family of 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	Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		HEIGHTS			
			mm	in.	mm	in.		N/mm	lbs./in.	Free		Working	
										mm	in.	mm @ N	in. @ lbs.
Sedans & Coupes	485712	TD	2824	111.2	13.44	.529	6.63	17.5	100	431.8	17.0	254 @ 3114	10 @ 700
	485713	WR	2962	116.6	13.64	.537	6.90	17.5	100	444.5	17.5	254 @ 3336	10 @ 750
	485714	WS	3106	122.3	13.84	.545	7.19	17.5	100	457.2	18.0	254 @ 3558	10 @ 800
	485715	WT	3183	125.3	13.94	.549	7.34	17.5	100	469.9	18.5	254 @ 3780	10 @ 850
	10003182	NHH	3277	129.0	14.07	.554	7.53	17.5	100	482.6	19.0	254 @ 4003	10 @ 900
	482057	NDB	3348	131.8	14.00	.551	7.68	17.5	100	495.3	19.5	254 @ 4226	10 @ 950
Station Wagons	547295	NFB	2586	101.8	15.47	.609	5.74	28.9	165	387.9	15.27	254 @ 3870	10 @ 870
	527777	NDN	2692	106.0	15.67	.617	5.93	28.9	165	398.0	15.67	254 @ 4159	10 @ 935
	527778	NDP	2817	110.9	15.87	.625	6.16	28.9	165	407.9	16.06	254 @ 4448	10 @ 1000

BRAKES

General	Type		Sedans and Coupes	Station Wagons	
	System			Power assisted disc front and drum rear	
		Dual circuit hydraulic system with warning light and self-adjusting features; metering and proportioning valve (except Station Wagons) provide balance between front and rear brakes			
Front Brakes	Type		Disc - single piston floating caliper		
	Material		Cast iron - vented		
	Diameter and width - mm (in.)		279 x 26.2 (11.0 x 1.03)	301.2 x 26.2 (11.86 x 1.03)	
	Lining material		Molded asbestos composition		
	Method of attachment		Riveted		
	Lining size (length x width x thickness)	Inboard - mm (in.)	137.2 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)		
		Outboard - mm (in.)	137.2 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)		
	Lining area - cm ² (in. ²)		267.5 (41.47)		
	Eff. Area - cm ² (in. ²)		246.5 (38.22)		
	Swept Area - cm ² (in. ²)		1379.0 (213.8)	1528.6 (237.0)	
Piston diameter - mm (in.)		74.7 (2.94)			
Rear Brakes	Type		Finned drum - composite, web cast into rim		
	Material		Molded asbestos composition		
	Dia. and width - mm (in.)		241.3 x 50.8 (9.5 x 2.0)	279.4 x 50.8 (11.0 x 2.0)	
	Lining material		Molded asbestos composition		
	Method of attachment		Riveted		
	Lining Size (length x width x thickness)	Primary	mm	192.5 x 50.8 x 5.0	225.0 x 50.8 x 5.6
			in.	7.58 x 2.0 x 0.196	8.86 x 2.0 x 0.22
		Secondary	mm	249.7 x 50.8 x 6.73	291.3 x 50.8 x 6.6
			in.	9.83 x 2.0 x 0.265	11.47 x 2.0 x 0.26
	Lining area - cm ² (in. ²)		449.2 (69.64)		
Eff. Area - cm ² (in. ²)		411.0 (63.72)			
Swept Area - cm ² (in. ²)		748.6 (116.06)			
Piston diameter - mm (in.)		22.2 (0.875)			
Apply System	Master cylinder dia. - mm (in.)		28.6 (1.125)		
	Piston travel - mm (in.)		35.8 (1.41)		
	Pedal travel - mm (in.)		39.6 (1.56)		
	Pedal ratio		3.50:1		
	Line pressure @ 100 lb. pedal load	kPa PSI			
Parking Brake	Type		Mechanical; pull rods and cables operate rear service brakes; parking brake "ON" warning light provided		
	Control		Pendulum foot pedal; released by "T" handle located below instrument panel to left of steering column.		
	Total effective area - cm ² (in. ²)		411.0 (63.72)	479.7 (74.37)	

BULBS AND LAMPS

BULBS AND LAMPS		NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray lamp		1-1445	.7
Back-up lamp		2-1156	32
Brake warning		1-168	3
Check engine indicator		1-194	2
Cornering lamp		2-1156	32
Clock Illumination		1-168	3
Courtesy			
Instrument panel		2-631	6
Direction signal indicator		2-168	3
Dome		1-561	12
Dome reading lamp			
Reading		2-1004	15
Dome		1-211-2	12
End gate ajar indicator		1-194	2
Generator indicator		1-168	3
Glove compartment		1-1891	2
Headlamp hi-beam indicator		1-168	3
Headlamp	Outer	2-4652	High beam 40W Low beam 60W
	Inner - Std.	2-4651	High beam 50 W
	RPO TT5	2-H4651	High beam 50W
Heater or A/C controls		1-194	2
Instrument cluster		3-168	3
		2-194	2
License plate, rear		1-194	2
Luggage compartment		1-1003	15
Oil pressure indicator		1-168	3
Parking			
Park		2-1157NA	2.2
Turn			24
Seat belt warning		1-168	3
Side Marker - Front		2-194	2
Side Marker - Rear		2-194	2
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 UM2		2-37	5
Radio light and indicator RPO UP5 & 6		1-194	2
Radio dial light indicator RPO UN3		2-37	5
Tail, stop and turn		1157*	Tail, 3; stop & turn, 32
Temperature indicator		1-168	3
Underhood		1-93	15
Wait indicator (diesel)		1-194	2
W/S washer & light switch indicator		1-161	1

* - Station wagons 2; balance 4.

FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	50 amp CB	Fuse panel
	25 amp fuse	Fuse panel (e)
Antenna, power	20 amp fuse	Fuse panel (c)
Back-up lamps	20 amp fuse	Fuse panel (e)
Brake alarm lamp	20 amp fuse	Fuse panel (b)
Check engine	20 amp fuse	Fuse panel (b)
Choke pull-out solenoid	10 amp fuse	Fuse panel (g)
Cigarette lighter	20 amp fuse	Fuse panel (c)
Cigarette lighter lamp	5 amp fuse	Fuse panel (a)
Clock	20 amp fuse	Fuse panel (c)
Clock illumination	5 amp fuse	Fuse panel (a)
Converter lock solenoid	20 amp fuse	Fuse panel (b)
Courtesy lamps	20 amp fuse	Fuse panel (c)
Deck lid release	20 amp fuse	Fuse panel (b)
Defogger, rear window	20 amp fuse	Fuse panel (c)
Defogger, rear window	20 amp fuse	Fuse panel (b)
Defogger, electric rear	20 amp fuse	Fuse panel (e)
Direction signal indicator lamps	20 amp fuse	Fuse panel (e)
Dome lamp	20 amp fuse	Fuse panel (c)
Dome & reading lamp	20 amp fuse	Fuse panel (c)
Door unlock indicator	25 amp fuse	Fuse panel (f)
Tail gate ajar lamp	20 amp fuse	Fuse panel (c)
Fuel gauge	20 amp fuse	Fuse panel (b)
Generator indicator lamp	20 amp fuse	Fuse panel (b)
Glove compartment lamp	20 amp fuse	Fuse panel (c)
Headlamps	Circuit breaker	Light switch
Headlamp buzzer	20 amp fuse	Fuse panel (b)
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	20 amp fuse	Fuse panel (e)
Heater control lamp	5 amp fuse	Fuse panel (a)
Idle stop solenoid	10 amp fuse	Fuse panel (g)
Instrument cluster lamps	5 amp fuse	Fuse panel (a)
Key wiring buzzer	20 amp fuse	Fuse panel (c)
License plate lamp, rear	20 amp fuse	Fuse panel (g)
Luggage compartment lamp	20 amp fuse	Fuse panel (c)
Oil pressure indicator lamp	20 amp fuse	Fuse panel (b)
Park and turn lamps - front	20 amp fuse	Fuse panel (g)
Power heat valve solenoid	10 amp fuse	Fuse panel (g)
Power seat	20 amp fuse	Fuse panel (e)
Power tailgate window	30 amp CB	Fuse panel
Power tailgate window relay	20 amp fuse	Fuse panel (b)
Power windows	20 amp fuse	Fuse panel (e)
Radio	10 amp fuse	Fuse panel (d)
Radio digital clock	20 amp fuse	Fuse panel (c)
Radio lamp	5 amp fuse	Fuse panel (a)
Seat belt warning lamp	20 amp fuse	Fuse panel (b)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
Side marker lamp - front	20 amp fuse	Fuse panel (e)
Side marker lamp - rear	20 amp fuse	Fuse panel (e)
Speed cruise control	20 amp fuse	Fuse panel (b)
Stop and turn lamps	20 amp fuse	Fuse panel (f)
Tail lamps	20 amp fuse	Fuse panel (g)
Temperature indicator lamp	20 amp fuse	Fuse panel (b)
Underhood lamp	20 amp fuse	Fuse panel (c)
Wait (diesel)	20 amp fuse	Fuse panel (b)
Windshield wiper lamp	5 amp fuse	Fuse panel (a)
Windshield wiper, two-speed	25 amp fuse	Fuse panel
Wiper system - pulse	10 amp fuse	Fuse panel (g)

*Letter suffix indicates same circuit



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100





**Specifications
Form
Passenger Car**

1980

METRIC (U.S. Customary)

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

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

The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

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

Table of Contents

1	Car Models
2	Power Teams
3-7	Engine
7	Exhaust System
8	Fuel System
9	Cooling System
10, 11	Vehicle Emission Control
12-14	Electrical
15-17	Drive Units
18	Tires and Wheels
18, 19	Brakes
20	Steering
21	Suspension — Front and Rear
22	Body — Miscellaneous Information
22	Frame
23	Convenience Equipment
24	Vehicle Mass (Weight)
25	Optional Equipment Mass (Weight)
26-30	Car and Body Dimensions — including Fiducial Marks, Glass, Lamps and Headlamp Shape
31-35	Car and Body Dimension Key Sheets
36	Index

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.S. 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 the manufacturer.
4. 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.

MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

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

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions		Max. Trunk/Cargo Load Kilograms (Pounds)
		Front	Rear	
		<u>Model Number</u>	<u>Front</u>	<u>Rear</u>
<u>Impala</u>				
4-Door Sedan		1BL69	3	3
2-Door Coupe		1BL47	3	3
4-Door Station Wagon, 2-Seat		1BL35	3	3
<u>Caprice Classic</u>				
4-Door Sedan		1BN69	3	3
2-Door Coupe		1BN47	3	3
4-Door Station Wagon, 2-Seat		1BN35	3	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 Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (:1)	
	Displ. liters (in ³)	Carb.	Compr. Ratio	SAE Net at RPM		Exhaust System*		(Std. first) (Indicate A/C ratio)	
				kW (bhp)	Torque N·m (lb. ft.)			A	B
Base-All States Exc. Calif. Sed & Cpe	3.8			86	237		3-Spd Auto '200c' 3-Spd Auto '350c' (a) 3-Spd Auto '250c' (s)	2.73:1	-
Avail-All States (229) Exc. Calif. 1BL47 w/RPO Z5A "SE"	LC3 3.8	2-bb1	8.6:1	115 @ 4000	(175) @ 2000		3-Spd Auto '350'	2.41:1	-
Base-Cal. only Sed & Cpe	3.8 (231) LD5	2-bb1	8.0:1	82 (110) @ 3800	258 (190) @ 1600	S	3-Spd. Auto '350'	2.73	-
Avail-All States Exc. Calif. - Sed & Cpe	4.4 (267)	2-bb1	8.3:1	89 (120) @	291 (215) @	S	3-Spd. Auto '250c' 3-Spd. Auto '200c' @	2.41	
Base-Sta. Wgn	L39 4.4			3600	2000		3-Spd. Auto '350c' Base 3-Spd. Auto '250c' Base *	2.56*	
Avail-All States Exc. Calif. Sed & Cpe							3-Spd. Auto '250c' Base	2.41	-
Sta. Wgn	5.0 (305) 139 L64	4-bb1	8.6:1	116 (155) @ 4000	325 (240) @ 1600	S	3-Spd. Auto '350c' Base 3-Spd. Auto '250c' Base 3-Spd. Auto '350c' Base	2.56*	-
Avail-Cal. only Sed & Cpe					312 (230) @ 2400		3-Spd. Auto '350'	2.41	3.08*
Base-Sta. Wgn.							3-Spd. Auto '350'	2.56*	3.08*
Avail - All States Sta. Wgn.	5.7 (350) LF9	FI (Die- sel)	22.5:1	78 (105) @ 3200	278 (205) @ 1600	S	3-Spd Auto '350c'	2.73*	-

*S—Single D—Dual

SAE J1772 Specifications Form
Passenger Car

Car Line Chevrolet
Model Year 1980 Issued 10/79 Revised (*) 2/80

METRIC (U.S. Customary)

-
- @ - Manufacturing option.
 - * - 222 (8.75) ring gear.
 - ++ - 'Base' and 'Available' refer to engine availability.
 - A - Base - all states.
 - B - Optional - all states.
 - ** - 216 mm (8-1/2") Ring Gear
 - Q - Manufacturing option except on 1BL69 model.
 - (a) - Base with air conditioning only.

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

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

Engine Description / Carb.

3.8 Liter V-6/2-bbl (229 CID) RPO LC3	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	189 kg (416.6 lb)	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	6	8	
Bore	95 (3.736)	88.97 (3.50)	95 (3.736)
Stroke	88.4 (3.48)		
Piston Displacement cm ³ (in ³)	3753 (229)	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	1-3-5-7
	R. Bank	2-4-6	2-4-6-8
Firing Order	1-6-5-4-3-2	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 (R + M) 2	87		
Cylinder Head Volume — cm ³	58.9	51.8	58.9
Head Gasket Thickness (Compressed)	.021		
Head Gasket Volume — cm ³	3.98	3.61	3.98
Deck clearance (minimum) (above or below block)	.025 below		
Minimum Combustion Chamber Volume — cm ³	56.7	49.6	56.7

Engine — Pistons

Material	Cast Aluminum Alloy		
Description and finish	Closed Skirt, Sump Head		
Mass, g (weight, oz.) — Piston Only	508 (17.92)	444 (15.66)	508 (17.92)
Clearance (limits)	Top land	.622-.851 (.0245-.0335)	
	Skirt	Top	.018-.107 (.0007-.0042)
		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 Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) _____

Engine Description/Carb.

3.8 Liter V-6/2-bbl (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — General

*Total dressed engine mass (wt) dry		
Type (In-line, V and Angle, Flat)	90°V	
Location (Front, Mid, Rear)		
No. of cylinders	6	8
Bore	95.6 (3.80)	103.85 (4.057)
Stroke	86.4 (3.40)	85.98 (3.385)
Piston Displacement cm ³ (in ³)	3785 (231)	5735 (350)
Bore Spacing (C/L to C/L)	107.7 (4.24)	117.5 (4.625)
Cyl. No. system (front to rear)**	L Bank	1-3-5
	R Bank	2-4-6
Firing Order	1-6-5-4-3-2	1-8-4-3-6-5-7-2
Cylinder Head Material	Cast Alloy Iron	
Cylinder Block Material	Cast Alloy Iron	
Cylinder Block Deck Height	242.8 (9.56)	
Number of mtg. points	Front	Two
	Rear	One
Engine installation position (transverse, Longitudinal)	Longitudinal	
Recommended fuel (leaded, unleaded)	Unleaded	Diesel #2 Summer, #1 Winter
Fuel antiknock index (R + M) / 2	87	
Cylinder Head Volume — cm ³	48.19	
Head Gasket Thickness (Compressed)	.533	
Head Gasket Volume — cm ³	3.93	
Deck clearance (minimum) (above or below block)	1.91 below	
Minimum Combustion Chamber Volume — cm ³	87.65	

Engine — Pistons

Material:		Cast Aluminum Alloy	
Description and finish		Full Skirt with Transverse Slot, Dished Head	Autothermic, Cam Grind Tin Plate, Steel Strut
Mass. g (weight, oz.) — Piston Only			
Clearance (limits)	Top Land	1.17-1.42 (.046-.056)	.864-1.092 (.034-.043)
	Skirt	Top	.020-.051 (.0008-.0020)
		Bottom	.030-.090 (.0013-.0035)
Ring groove diameter	No. 1 ring	86.36-85.98 (3.400-3.385)	91.36-91.62 (3.597-3.607)
	No. 2 ring	86.36-85.98 (3.400-3.385)	91.36-91.62 (3.597-3.607)
	No. 3 ring	86.26-85.93 (3.396-3.383)	91.87-92.13 (3.617-3.627)

*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 sides of engine.

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

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

Engine Description/Carb.	3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4-Bb1 (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 (a)	Cast alloy iron, radius face, .0004" chrome flas
		Lower (b)	Cast alloy iron, reverse twist, tapered face, lubrited
	Width	1.96-1.98 (.0770-.0780)	
	Gap	Upper - 0.25-0.51 (.010-.020 (c))	
Oil	Description — material, coating, etc.	TRW 'T' flex design, 0.05 mm (.002") minimum chrome	
	Width	4.52 - 4.62 (.178-.182)	
	Gap	0.25 - 0.89 (.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	(d)	(e) (f)
	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	16.97 (.668) 20.24 (.797)
	Clearance (limits)	.025-.063 (.0010-.0025) .033-.089 (.0013-.0035)
	End Play	.15-.38 (.006-.015) .15-.41 (.006-.016)

- (a) Molybdenum filled channel, barrel faced
- (b) Inside bevel, reverse tapered face, phosphate coated.
- (c) Lower - 3.8 & 4.4 Liter - 0.25-0.64 (.010-.025); 5.0 Liter - 0.33-0.63 (.013-.025)
- (d) 0.0013-0.0075 (.00005-.00030)
- (e) 0.0013-0.0076 (.00005-.00030)
- (f) 0.0063-0.0089 (.00025-.00035)

SAE J1349 Specifications Form
Passenger Car
METRIC (U.S. Customary)

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

Engine Description/Carb.

3.8 Liter V-6/2-BB1 (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

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	
Compres- sion	Description — Material, coating, etc.	(1)	(2)
	Width	4.27-4.52 (.168-.178)	1.96-1.98 (.0770-.0780)
	Gap	0.33-0.58 (.013-.023)	0.38-0.63 (.015-.025)
Oil	Description — material, coating, etc.	Stainless steel - 50	Spring steel, granoseal processed, chrome plated
	Width	3.43-3.51 (.135-.142)	0.597-0.660 (.0235-.0260)
	Gap	0.38-0.89 (.015-.035)	0.38-1.40 (.015-.055)
Expanders		Abutment type	Spacer-spring steel 601-75

Engine — Piston Pins

Material	SAE-1018'	Steel SAE 1019 or 1016		
Length	73.66 (2.90)	73.86 (2.906)		
Diameter	23.853-23.860 (.9391-9394)	27.81-27.82 (1.0949-1.0953)		
Type	Locked in rod, in piston, floating, etc.	Pressed in rod	Floating	
	Bushing	In rod or piston	---	Yes
		Material	---	SAE #791 bronze
Clearance	In piston	.010-.018 (.0004-.0007)	.008-.013 (.0003-.0005)	
	In rod	.019-.032 (.00075-.00125)	.008-.033 (.0003-.0013)	
Direction & amount offset in piston	Major thrust side - .102 (.040)	None		

Engine — Connecting Rods

Material	Cast Arma Steel	Steel SAE-1140	
Mass, g (weight, oz.)			
Length (center to center)	151.4 (5.96)	149.44-149.54 (5.8835-5.8875)	
Bearing	Material & Type	Premium aluminum	
	Overall length	16.61 (.654)	20.85-21.11 (.821-.831)
	Clearance (limits)	.013-.066 (.0005-.0026)	
	End Play	.15-.58 (.006-.023)	.15-.51 (.006-.020)

(1) Upper - Molybdenum filled channel, barrel faced
 Lower - Inside bevel, reverse tapered face, phosphate coated

(2) Upper - Cast iron with crowned molybdenum filled OD faced, granoseal processed.
 Lower - Cast iron with tapered face

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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2

Engine Description/ Carb.

3.8 Liter V-6/2-Bbl (229 CID) RPO LC3	4.4 Liter V-8/2-Bbl (267 CID) RPO L39	5.0 Liter V-8/4-B (305 CID) RPO LG
--	--	---------------------------------------

Engine — Crankshaft

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (No.)	4	5	
Crankshaft end play	.051-.152(.002-.006)	.051-.178 (.002-.007)	
Main bearing	Material & type	#1-G66 Conecc; #2,3,4-M400	
	Clearance (b)	Front-.020-.051(.0008-.0020); Inter.-.028-.058(.0011-.0023)(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	62.189 x 38.94
		No. 5	62.194 x 20.37 (2.4486 x .802)
		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)	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	4		
Type of Drive	Gear, chain or belt	Chain		
	Crankshaft gear or sprocket material	Steel		
	Camshaft gear or sprocket material	Sintered iron		
	Timing chain	No. of links	46	
		Chain or Belt	Width	15.87 (.625)
			Pitch	12.7 (.500)

- (a) Rear - .043-.081 (.0017-.0032)
 (b) 3.8 Liter V-6: -
 #1,2,3 - .051-.089 (.0020-.0035)
 #4 - .013-.038 (.0005-.0015)

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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description/Carb.

3.8 Liter V-6/2-Bb1 (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — Crankshaft

Material		Nodular cast iron		
Vibration damper type		Rubber mounted inertia		
End thrust taken by bearing (Nc.)		2	3	
Crankshaft end play		.08-.23(.003-.009)	.089-.343(.0035-.0135)	
Main bearing	Material & type	#1 Upper-M400 Conecc; #1 lower-M100 Conecc; #2,3-M400; #4-M100	#1,2,3,4,5 Upper & #5 lower-M100; #1,2,3,4 lower-M400	
	Clearance	.010-.040(.0004-.0017)		
	Journal dia. and bearing overall length	No. 1	63.487x21.95 (2.4995x.864)	76.2 x 24.77 (3.0 x .975)
		No. 2	63.487x26.85 (2.4995x1.057)	76.2 x 24.77 (3.0 x .975)
		No. 3	63.487x21.95 (2.4995x .864)	76.2 x 30.33 (3.0 x 1.194)
		No. 4	63.487x21.95 (2.4995x .864)	76.2 x 24.77 (3.0 x .975)
		No. 5	---	76.2 x 41.624(3.0 x 1.624)
		No. 6	---	---
		No. 7	---	---
Dir. & amt. cyl. offset	---	23.83(.938) left bank ahead of right		
No. bolts/main brg. cap	2			
Crankpin journal diameter		57.12-57.14 (2.2487-2.2495)	53.945-53.970(2.1238-2.1248)	

Engine — Camshaft

Location		In block above crankshaft	
Material		Cast alloy iron	Cast iron Conkorall
Bearings	Material	Steel backed babbitt	GM-4167M or GM-3381-M
	Number	4	5
Type of Drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		Sintered iron
	Camshaft gear or sprocket material		SAE-1117 Steel
	Timing chain		Aluminum-nylon
	No. of links		54
	Chain or Belt		GM-85-M Cast iron
Chain or Belt	Width	22.23 (.875)	14.48 (.570)
	Pitch	9.53 (.375)	12.7 (.500)

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

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

Engine Description/Carb.

3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4-Bb1 (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)	42	28		
		Closes (*ABC)	78	64		
		Duration (deg.)	300	272		
	Exhaust	Opens (*BBC)	78	78		
		Closes (*ATC)	52	30		
		Duration (deg.)	310	288		
	Valve open overlap (deg.)		94	58		
Intake Valve	Material		SAE-1541 or 1547 (a)	SAE 1541-H steel (a)	21-2N steel (c)	
	Overall length		124.52-125.03 (4.9024-4.9224)			
	Actual overall head dia.		46.61-46.86 (b)	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)		9.47 (.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)		
		Valve open — N at mm (lb. at in.)		780-834.8 @ 31.7 (174-186 @ 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, chrome flash stem		
		Overall length		124.71-125.02 (4.910-4.930)		
		Actual overall head dia.		37.97-38.23 (1.495-1.505) (d)		
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)		10.4 (.410)	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.)		780-834.8 @ 31.7 (174-186 @ 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			

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

- Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (•) 2/80

Engine Description/Carb.

3.8 Liter V-6/2-bbl (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — Valve System

Hydraulic lifters (Std., opt., NA)		Standard			
Valve rotator, type (intake, exhaust)		None			
Push rods (dia., length, material)		7.94x220.9(.3125x 7.9) (a)	7.925x209.93(.312x8.265)		
Rocker ratio		1.55:1	1.60:1		
Operating tappet clearance (Indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16		
		Closes (*ABC)	63		
		Duration (deg.)	259		
	Exhaust	Opens (*BBC)	68		
		Closes (*ATC)	29		
		Duration (deg.)	277		
	Valve open overlap (deg.)		45	33	
Intake Valve	Material		1541 steel, chrome flash stem	21-2N steel, chrome flash stem	
	Overall length		119.33-120.09(4.698-4.728)	127.47(5.0185)	
	Actual overall head dia.		43.43(1.710)	47.498-47.752(1.87-1.88)	
	Angle of seat & face (deg.)		45	45,46	
	Seat insert material		None		
	Stem diameter		8.64-8.66(.3402-.3412)	8.700-8.717(.3425-.3432)	
	Stem to guide clearance		.038-.089(.0015-.0035)	.025-.069(.0010-.0027)	
	Lift (at zero lash)		9.07(.357)	9.53(.375)	
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	262.4-306.9 @ 43.86 (59-69 @ 1.727)	349-376 @ 42.42 (77-83 @ 1.670)	
		Valve open — N at mm (lb. at in.)	774-845.2 @ 34.04 (174-190 @ 1.34)	658-721 @ 32.89 (145-159 @ 1.295)	
	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, chrome flash stem	
		Overall length		119.46-120.22(4.703-4.733)	127.699(5.0275)
		Actual overall head dia.		38.1(1.50)	41.07-41.32(1.617-1.627)
Angle of seat & face (deg.)		45	59,60		
Seat insert material		None			
Stem diameter		8.649-8.666(.3405-.3412)	8.687-8.705(.3420-.3427)		
Stem to guide clearance		.038-.081(.0015-.0032)	.038-.081(.0015-.0032)		
Lift (at zero lash)		9.30(.366)	9.55(.376)		
Outer Spring press. & length		Valve closed — N at mm (lb. at in.)	262.4-306.9 @ 43.86 (59-69 @ 1.727)	349-376 @ 42.42 (77-83 @ 1.67)	
		Valve open — N at mm (lb. at in.)	773.9-845.1 @ 34.04 (174-190 @ 1.34)	658-721 @ 32.89 (145-159 @ 1.294)	
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) .060" wall steel tubing
 MVMA-C-80

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

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

Engine Description/Carb.

3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4-Bb1 (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 and nozzle	Centrifugally oiled
	Cylinder walls	Splash	Pressure, Jet crossspray
Oil pump type	Gear		
Normal oil pressure-kPa(Psi) at engine rpm	310 (45)		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Full flow		
Capacity of oilcase, 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) & 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	
Intermediate Pipe	O.D. & wall thickness	50.8 (2.0)	57.15 (2.25)
	Material	Aluminized steel tubing	
Tail Pipe	O.D. & wall thickness	50.8 (2.0)	
	Material	Aluminum coated tubing	

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

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

Engine Description / Carb.

3.8 Liter V-6/2-Bb1 (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	Splash
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Splash & nozzle	Spray
	Cylinder walls	Splash	Spray
Oil pump type	Gear		
Normal oil pressure-kPa(Psi) at engine rpm	310 (45)	207-310(30-45) @ 1500	
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Fullflow		
Capacity of oilcase, less filter-refill-L.(qt.)	3.8 (4.0)	7.1 (7.5)	
Oil grade recommended (SAE viscosity and temperature range)	SAE-30 - Above 0°C (32°F)		
Minus 6.6°C (20°F) & above	20W-20, 10W-30, 10W-40, 20W-40, 20W-50	SAE 10W-30 - Below 0°C (32°F)	
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) & below	5W-20, 10W-30		
Engine service reqmt. (SD, SE, etc.)	SE	SE/CC or SE/CD	

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		
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	
Intermediate Pipe	O.D. & wall thickness		
	Material		
Tail Pipe	O.D. & wall thickness	50.8 (2.0)	57.15 (2.25)
	Material	Aluminum coated tubing	

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

Car Line Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description / Carb.

3.8L/2-bbl (229 CID) V-6 RPO LC3	3.8L/2-bbl (231 CID) V-6 RPO LD5	4.4L/2-bbl (267 CID) V-8 RPO L39	5.0L/4-bbl (305 CID) V-8 RPO LG4	5.7L/Diesel (350 CID) V-8 RPO LF9
--	--	--	--	---

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.)	Cpe & Sed. - 95 (25.0) ; Station Wagon - 83.3 (22.0) Approx.					
	Filler location	Rear - Sedan & Coupe; L.R. Qtr. Panel - Station Wagon					
Fuel Pump	Type (elec. or mecn.)	Electric		Mechanical			
	Locations on engine	Lower RF	Lower LF	Lower Right Front			
	Pressure range — kPa (psi)	31-41 (4.5-6.0)	29-40 (4.25-5.75)	52-62 (7.5-9.0)	38-45(5.5-6.5)		
Fuel Filter	Type	Fine Mesh Plastic Strainer in Gasoline Tank &					
	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				
		Optional					
	Idle spd. - rpm (spec. neutral or drive)	Manual	--	--	--	--	--
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		No. Used and Type	Barrel Size
			Make	Model		
● Sedan & Coupe	3.8 (229)	Automatic	Rochester		One 2-bbl	Pri & Sec. 35.1 (1.38)
● Sedan & Coupe	3.8 (231)			(17080493)	One 2-bbl	Pri & Sec. 36.5(1.4375)
All	4.4 (267)			17080108	One 2-bbl	Pri & Sec. 35.1 (1.38)
All	5.0 (305)			17080202 (17080502)	One 4-bbl	Pri-35.1(1.38) Sec-57.2(2.25)
Station Wagon	5.7 (350)					Mech. Fuel Inj. Pump

Data in brackets () pertains to California.

● * - 575 rpm with RPO Z5A Special Economy Package on Model 19L47.

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

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

Engine Description/Carb.

3.8L V6/2-b. (229 CID) RPO LC3	3.8L V6/2-b (231 CID) RPO LD5	4.4L V8/2-b (267 CID) RPO L39	5.0L V8/4-B (305 CID) RPO LG4	5.7L V8/Diesel (350 CID) RPO LF9
--------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	--

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		By Pass			
	Starts to open at °C (°F)	91 (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	External			
Radiator core type (cross-flow vertical, cellular, tube and fin, other)	Cross Flow, Tube & Center						
Cooling System Capacity (a)	With heater — L(qt.) (*)	14.22	11.79	17.03	15.47	16.39	
	Without heater — L(qt.)	Standard Equipment					
	Opt. equipment-specify — L (qt.)	14.16	11.71	16.96	16.13	16.53	
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		39.6-46.0		
		Inside diameter	38.1 (1.50)		(1.56-1.81)		
	Upper	Number and type (molded, straight)	One, Molded		39.6		
		Inside diameter	38.1 (1.50)		(1.56)		
	By-pass	Number and type (molded, straight)	None	One Molded	None	One Straight	
		Inside diameter		15.9 (.625)		17.8-19.3(.70-.76)	
Radiator (Core)	Standard	Width	528 (20.8)	668 (26.3)	718.8(28.3)		
		Height	431 (16.97)	429 (16.89)	431 (16.97)		
		Thickness	31.5 (1.24)	25 (0.98)	48.8(1.92)		
	A/C	Width	528 (20.8)	668 (26.3)	718.8 (28.3)		
		Height	431 (16.97)	431 (16.97)	431 (16.97)		
		Thickness	31.5 (1.24)	25 (0.98)	48.8(1.92)		
	Heavy duty	Width	528 (20.8)	668 (26.3)	718.8 (28.3)		
		Height	431 (16.97)	431 (16.97)	431 (16.97)		
		Thickness	31.5 (1.24)	25 (0.98)	48.8(1.92)		
	Fan (Standard)	Number of blades & spacing	4, Staggered				
		Diameter	483 (19.0)				
		Ratio — fan to crankshaft rev.	.95:1		.85:1		
Fan cutout type		None					
Drive Type-Number of Fans	V-Belt - one						
Fan (Optional)	No. of blades and spacing	5		6			
	Diameter	50.8 (20.0)		495 (19.5)			
	Ratio — fan to crankshaft rev.	.95:1		1.40:1			
	Fan cut-out type	Clutch					
Drive Type-Number of Fans	V-belt-one						

(*) Base Transmission
 (a) With Air Conditioning

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

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

Engine Description/Carb.

3.8L V-6/2-bb1 (229 CID) RPO LC3	3.8L V-6/2-bb1 (231 CID) RPO LD5	4.4L V-8/2-bb1 (267 CID) RPO L39
-------------------------------------	-------------------------------------	-------------------------------------

Vehicle Emission Control

All exc. Calif. Calif. only All exc. Calif.

Type (Air injection, engine modifications, other)		Air Injection	Air Injection	Air Injection
Air Injection Pump	Type		W/C-4 System	
	Displacement — cm ³ (in ³)		(Computer	
	Drive ratio		Controlled	
	Drive type		Catalytic	
	Relief valve (type)		Converter)	
	Filter (describe)			
Air Injection System	Air distribution (head, manifold, etc.)		Exhaust pipe	
	Point of entry		Exhaust pipe	
	Injection tube i.d.		6.9 (.27)	
	Check valve type		Pressure plate system	
	Backfire protection (type)		Diverter valve	
Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)		Controlled flow	
	Valve type		Vacuum modulated shut-off & metering valve	
	Valve location		Inlet manifold-Left rear	Inlet manifold-Rr
	Control energy source		Carburetor vacuum	
	Exhaust source		Manifold exhaust crossover	
	Exhaust cooler type		None	
	Orifice no. and size		One; 0.76 (.030)	
	Point of exhaust injection (spacer, carburetor, manifold, other)		Inlet manifold	
Catalytic Converter System	Catalyst	Type	Platinum - Palladium	
		Volume — L (in ³)	2.6 (160)	4.26 (260)
	Substrate type	Bead		
	Container location	Beneath right front underbody		
Other	Carburetor	Thermostatically controlled air cleaner		
	hot air	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 Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) _____

Engine Description/Carb.

5.0 Liter V-8/4-bbl Carb. (305 CID) RPO LG4	5.7L V-8/Diesel (350 CID) RPO LF9
--	--------------------------------------

Vehicle Emission Control

		Federal	California	Federal
Air Injection Pump	Type (Air injection, engine modifications, other)	Air Injection	Air Injection	
	Type		W/C4 System	
	Displacement — cm ³ (in ³)		(Computer	
	Drive ratio		Controlled	
	Drive type		Catalytic	
	Relief valve (type)		Converter)	
Air Injection System	Filter (describe)			
	Air distribution (head, manifold, etc.)		Exhaust pipe	
	Point of entry		Exhaust pipe	
	Injection tube i.d.		6.9 (0.27)	
	Check valve type		Pressure Plate System	
Exhaust Gas Recirculation System	Backfire protection (type)		Diverter valve	
	Type (controlled flow, open orifice, other)		Controlled flow	
	Valve type		Vacuum modulated shut-off & metering valve	
	Valve location		Inlet manifold-right rear	
	Control energy source		Carburetor vacuum	
	Exhaust source		Manifold exhaust crossover	
	Exhaust cooler type		none	
	Orifice no. and size		One; 0.76 (.030)	
Catalytic Converter System	Point of exhaust injection (spacer, carburetor, manifold, other)		Inlet manifold	
	Catalyst	Type	Platinum-Palladium	
		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 & mixes heated air with incoming cold air to reduce hydro-carbon emission.	

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

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

Engine Description/Carb.

3.8L V-6 200 CID RPO LC3	3.8L V-6 231 CID RPO LD5	4.4L V-8 267 CID RPO L39	5.0L V-8 305 CID RPO LG4	5.7L V-8 350 CID RPO LF9
--------------------------------	--------------------------------	--------------------------------	--------------------------------	--------------------------------

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		Rear of intake man.	LF valve rocker cover
		Energy source (manifold vacuum, carburetor, other)			
		Energy source (manifold vacuum, carburetor, other)		Manifold vacuum	
	Complete System	Control method (variable orifice, fixed orifice, other)		Variable orifice	
		Discharges (to intake manifold, other)		Intake manifold	
		Air inlet (breather cap, other)		Caruretor 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	
Vapor Storage	Carbu- etor	Vapor vented to (crankcase, canister, other)		Canister	
	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 throttle blade position.			

MVMA Specifications Form

**Passenger Car
METRIC (U.S. Customary)**

Car Line CHEVROLET
Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description / Carb.

3.8L V6/2-b. (229 CID) RPO LC3	3.8L V6/2-b. (231 CID) RPO LD5	4.4L V8/2-b. (267 CID) RPO L39	5.0L V8/4-b. (305 CID) RPO LG4	5.7L V8/Diesel (350 CID) RPO LF9
--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--

Electrical — Supply System

Battery	Make and Model		Delco 'Freedom'			
	Voltage Rtg. — V — & Total Plates		12-3200	12-2500	12V-3200 Watts	
	SAE Designation No. and/or capacity		80 min. Res. Cap.	60 min. Res. Cap.	80 Minute Reserve Capacity	125 Min Res. Cap. (a)
	Location		Engine Compartment, Right Front			
Generator or Alternator	Make		Delco Remy			
	Model		1103161	1103043	1103118	1103085
	Type and rating		37	42	37	55
	Output at engine idle (neutral) A					
Regulator	Ratio — Gen. to Cr/s rev.		2.73:1	2.36:1	2.73:1	
	Make		Delco Remy			
	Model		---			
	Type		Micro Circuit Unit; Integral With Distributor			
	Regulated	Voltage		13.8-14.8		
		Current A		---		
	Voltage test conditions	Temperature — °C (°F)		Operating		
Load A		3-8				
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		
		Flywheel	Manual		---	
Auto			153	160	168	

(a) Two (2) batteries required.

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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description/Carb.

3.8L V-6/ 2-Bb1 (229 CID) RPO LC3	3.8L V-6 2-Bb1 (231 CID) RPO LD5	4.4L V-8 2-Bb1 (267 CID) RPO L39	5.0L V-8 4-Bb1 (305 CID) RPO LG4	5.7L V-8/ Diesel (350 CID) RPO LF9
--	---	---	---	---

Electrical — Ignition System — Distributor

Distributor	Manual	---	---	---	---	
	Automatic	1110574	(1110784)	1103387(*) 1103383(**)	1103384 (1103368)	Injector Pump
Timing	Manual	---	---	---	---	
	Automatic	10° BTC 12° BTC (a)		4° BTC (*) 2° BTC (**)	4° BTC	

(*) Sedan & Coupe
 (**) Station Wagon

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1103387	0 @ 1200	8 @ 1700	22 @ 4400	0 @ 13.5	10 @ 27.0
1103384	0 @ 800	16 @ 2000	20 @ 4000	0 @ 13.5	15 @ 40.
1103368	0 @ 1000	10 @ 1700	20 @ 3800	0 @ 13.5	
1110574	0 @ 1200	7 @ 2400	14 @ 4100	0 @ 10.1	20 @ 25.3
1103383	0 @ 1200	8 @ 1700	22 @ 4400	0 @ 10.1	16 @ 21.9
1110784					
Data in brackets () pertains to California					
(a) RPO Z5A Special Economy on model 1BL47.					

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

Car Line CHEVROLET
 Model Year 1980 issued 10/79 Revised (*) 2/80

Engine Description/Carb.

3.8L V-6/ 2/Bb1 (229 CID) RPO LC3	3.8L V-6/ 2/Bb1 (231 CID) RPO LD5	4.4L V-8/ 2/Bb1 (257 CID) RPO LC9	5.0L V-8/ 4/8b1 (305 CID) RPO LG4	5.7L V-8/ Diesel (350 CID) RPO LF9
--	--	--	--	---

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		A.C. Spark Plug				
	Model		R45TS	R45TSX	R45TS	R45TS	Glow plug
	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	Rectangular Dial with Pointer
	Trip odometer (std., opt., N.A.)	Optional
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 Control Type
	Blade length	457.2 (18.0 in)
	Swept area — cm ² (in. ²)	Coupes 6770(1049.6 in ²) Sedans & Wagons 6107 (946.8 in ²)
Wind-shield Washer	Type — standard	Push-Button
	Type — optional	NA
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	Dual-1BN00 models; one (low note) on 1B100 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. Fuel Economy (vacuum) and coolant temperature gauges in optional package.	

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

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

Engine Description / Carb.

3.8L V-6/ 2-Bb1 (229 CID) RPO LC3	3.8L V-6/ 2-Bb1 (231 CID) RPO LD5	4.4L V-8/ 2-Bb1 (267 CID) RPO L39	5.0L V-8/ 4-Bb1 (305 CID) RPO LG4	5.7L V-8/ Diesel (350 CID) RPO LF9
--	--	--	--	---

Drive Units — Clutch (Manual Transmission)

Make & type		
Type pressure plate springs		
Total spring load — N (lb.)		
No. of clutch driven discs		
Clutch facing	Material	
	Manufacturer	
	Part Number	
	Rivets/Plate	
	Rivet size	
	Outside & inside dia.	
	Total eff. area - cm ² (in. ²)	
	Thickness	
Engagement cushion-method		
Release bearing	Type & method of lubrication	
Torsional damping	Methods: springs, friction material	

NOT AVAILABLE

Drive Units — Transmissions

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

Drive Units — Manual Transmission

Number of forward speeds			
Transmission ratios	In first		
	In second		
	In third		
	In fourth		
	In fifth		
	In reverse		
Synchronous meshing, specify gears			
Shift lever location			
Lubricant	Capacity — L (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
Extreme cold			

NOT AVAILABLE

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

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

Engine Description/Carb.	3.8L V-6 2-Bbl (229 CID)	3.8L V-6/ 2-Bbl (231 CID)	4.4L V-6/ 2-Bbl (267 CID)	5.0L V-6/ 1-Bbl (305 CID)	5.7L V-8/ Diesel (350 CID)
	RPO LC3	RPO LD5	RPO LS9	RPO LG4	RPO LF9

Drive Units — Automatic Transmission (See "Power Teams" for Transmission Usage)

Trade name	3-Speed Automatic	
Type (describe)	200c	250c, 350c & 350
	Torque converter with planetary gears	
Selector location	Steering column	
Gear Ratios	P	Park
	R	2.07
	N	Neutral
	D	2.74-1.57-1.0
	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
Lubricant	Nominal diameter	298 (11.75)
	Capacity — refill — L (pt.)	4.0 (7.5)
	Type recommended	Dexron II
Special transmission features	200c, 250c, 350c feature converter lock-up final drives - on all except RPO LD5 engine. & Calif. LG4	

Drive Units — Axle

Type (front, rear)	Rear		
Description	Semi-floating axles overhung hypoid drive pinion and ring gear		
Limited Slip differential, type	Disc clutch		
Drive Pinion Offset	38.1(1.50)=7.50" R.G.; 44(1.75)-8.50 & 8.75" R.G.		
No. of differential pinions	Two		
Pinion adjustment (shim, other)	Shim		
Pinion bearing adj. (shim, other)	Collapsible sleeve		
Wheel bearing type	Direct or single row cylindrical		
Lubricant	Capacity — L (pt.)	1.5(3.25)-7.50" R.G.; 1.9(4.0)-8.50 & 8.75" R.G.	
	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	

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

Axle Ratio	2.41 **	2.73	2.56	3.08 **	2.73	
No. of teeth	Pinion	17	15	16	13	15
	Ring gear	41	41	41	40	41
Ring Gear O. D.	191 (7.50)*		222 (8.75)			
Transaxle	Transfer Gear Ratio					
	Final Drive Ratio					

(*) Ring gear O.D. for limited slip differential - 216 (8.50)
 (**) Also ring gear - 216 (8.50).
 @ 310 mm (12.2 in) on RPO LG4 engine only.
 MVMA-C-80

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

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

Engine Description / Carb.

191 (7.50) Ring Gear	216 (8.50) & 222 (8.75) Ring Gear
----------------------	--------------------------------------

Drive Units — Propeller Shaft

Number used		One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Right	Straight tube	
	Left		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	N.A.	
	Manual 4-speed trans.	N.A.	
	Manual 5-speed trans.	N.A.	
	Overdrive	N.A.	
	Automatic transmission	69.9 x 1489.2 x 1.65 (2.75 x 58.63 x .065)	69.9 x 1464.2 x 1.65 (2.75 x 57.65 x .065)
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting prepack)	---	
Slip Yoke	Type	Yoke	
	Number of teeth	27	
	Spline O.D.	29.858 - 29.883 (1.1755 - 1.1765)	29.845-29.850 (1.1750-1.1752)
Universal joints	Make and Mfg. No.	Inner	Saginaw 44
		Outer	
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach (u-bolt, clamp, etc.)	Strap & bolt	
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Pre-pack	
Drive taken through (torque tube or arms, springs)		Control Arm	
Torque taken through (torque tube or arms, springs)		Control Arm	

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

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

Car Line CHEVROLET
 Model Year 1980 Issued 12/79 Revised (*) 2/80

Engine Description/Carb.

Coupe & Sedan	Station Wagon
---------------	---------------

Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply	P205/75R15-B/W, W/S		P225/75R15-B/W, W/S		
	Type (bias, radial, etc.)	Steel belted radial				
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	241 (35)		193 (28)	
		Rear-kPa (psi)	241 (35)		248 (36)	
	Rev./mile—at 70 km/h (45 mph)	478 (769)		458 (737)		
WHEELS	Type & material	Short spoke disc, steel				
	Rim (size & flange type)	15 x 6		15 x 7		
	Wheel offset	12.7 (.50)		7.5 (.30)		
	Attachment	Type (bolt or stud)	Stud			
		Circle diameter	120.6 (4.75)		127.0 (5.0)	
		Number & size	5-7/16-20 UNF-2B hexnuts		5-7/2-20 UNF-2B hex nuts	
	Spare wheel (same or other)	16 x 4 - compact spare				

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P225/70R15 (W/S) (b)	P225/75R15 (a) (W/S)
Type (bias, radial, etc.)	Steel belted radial	Steel belted radial
Wheel type & material	Short spoke disc, steel	
Rim (size, flange type, and offset)	15 x 7; 7.5 (.30)	
Size, load range, ply	P215/75R15 (W/W) (c)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply	P205/75R15 (a) (W/S)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply	Spare Tire	
Type (bias, radial, etc.)	Base	
Wheel type & material	T125/80D16 Compact	T125/90D16 Compact
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

Brakes — Parking

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

- (a) Self sealing.
- (b) Required with RPO F41 Sport Suspension
- (c) Base tire for model 1BL47 with RPO Z5A Special Economy package. - optional on remainder of models.

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

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

Body Type And/Or Engine Displacement

Sedan & Coupe	Station Wagon
---------------	---------------

Brakes — Service

Brake Type (std., Opt., N.A.)	Drum	Front	---		
		Rear	Standard		
	Disc	Front	Standard		
		Rear	---		
Self-adjusting (std., opt., N.A.)			Standard		
Special Valving	Type (proportion, delay, metering, other)		Metering & Proportioning		
Power Brake (std., opt., N.A.)			Standard		
Booster Type (remote, integral, vac., hyd., etc.)			Integral (a)		
Anti-skid device type (std., opt., N.A.)			N.A.		
Effective area — cm ² (in. ²)*			648 (100.5)	717 (111.2)	
Gross lining area — cm ² (in. ²)**			717 (111.1)	792 (122.8)	
Swept area — cm ² (in. ²)***			2127 (329.8)	2420 (375.1)	
Rotor	Outer working diameter	F	279.4 (11.0)	301.2 (11.86)	
		R	---		
	Thickness	F	26.2 (1.03)		
		R	---		
	Material & type (vented/solid)	F	Cast iron, vented		
		R	---		
Drum	Diameter (nominal)	F	---		
		R	241.3 (9.50)	279.4 (11.0)	
	Type and material		Cast iron, finned		
Wheel cylinder bore	Front	74.7 (2.94)			
	Rear	22.22 (.875)	23.81 (.9375)		
Master Cylinder	Bore	28.6 (1.13)			
	Stroke	39.6 (1.56)			
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		Front-5.33x9.12(.210x.359) Rear-3.6 x6.35 (.143x.250)	
		Manufacturer		Delco Moraine	
		Lining Code		GM110FF | GM111FF	
		Material		Molded asbestos	
		Size	Prim. or out-board	137x48.8x11.8 (5.40x1.92x.465)	
	Rear Wheel	Size	Second or in-board	137x48.8x11.8 (5.40x1.92x.465)	
		Shoe thickness (no lining)		Inboard-15.75(.620); Outboard-14.0 (.550)	
		Bonded or riveted, rivets/seg.		Riveted; 10-primary, 12-secondary	
		Manufacturer		Inlite	
		Lining Code		Primary-GM224FF; Secondary-GM235FF	
		Material		Molded asbestos	
Size	Prim. or out-board	192.5x50.8x4.98(7.58x2.0x.196)	225x50.8x5.6(8.86x2.0x.22)		
	Second or in-board	249.7x50.8x6.73(9.83x2.0x.265)	291x50.8x6.6(11.5x2.0x.26)		
Shoe thickness (no lining)		Pri-7.64(.301); Sec-9.4(.370)	Pri-8.3(.33); Sec-9.3(.37)		

(a) Hyd. booster on Station Wagon with RPO LF9 diesel engine.
 *Excludes rivet holes, grooves, chamfers, etc.
 **Includes rivet holes, grooves, chamfers, etc.
 ***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake Square of Outer Working Dia. minus Square of Inner Working Dia. multiplied by 2/2 for each brake.)
 ****Size for drum brakes includes length x width x thickness.

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

Car Line CHEVROLET
 Model Year 1980 Issue 10/79 Revised (*) _____

Sedan & Coupe		Station Wagon
V-8	V-6	

Steering

Manual (std., opt., N.A.)		N.A.			
Power (std., opt., N.A.)		Standard			
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt-Universal jointed steering shaft at base of steering wheel - 6 position			
	(Std., opt., N.A.)	Optional			
Wheel diameter	Manual	---			
	Power	387 (15.25)			
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	13.6 (44.55)	13.8 (45.11)	
		Curb to curb (l. to r.)	11.8 (38.81)	12.1 (39.63)	
	Inside rear	Wall to wall (l. to r.)			
		Curb to curb (l. to r.)			
Manual	Gear	Type			
		Make			
		Ratios	Gear	Overall	
	No. wheel turns (stop to stop)				
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	14.0:1	13.0/16.0:1
		Overall	18.0:1	18.8:1 on center	
	Pump driven by		V-belt		
No. wheel turns (stop to stop)		3.16	3.3		
Linkage	Type		Parallelogram		
	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.)		9.785 @1		
	Bearings (type)	Upper	Ball stud with non-metallic surfaces		
		Lower	Ball stud with non-metallic surfaces		
		Thrust	None		
Steering spindle & joint type					
Wheel Spindle	Diameter	Inner bearing	31.7 (1.25)		
		Outer bearing	19.0 (0.75)		
	Thread size		3/4-20		
	Bearing type		Tapered roller		
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)	+2 to +4		
		Camber (deg.)	0 to 1.6		
		Toe-in (outside track-mm (in.))	+0.05 to +0.25		
	Service reset	Caster	+3 + 0.5		
		Camber	+0.8 + 0.5		
		Toe-in	+0.15 + .05		
	Periodic M.V. Inspection	Caster	+1 to +5		
		Camber	-0.7 to +2.3		
		Toe-in	-0.15 to +0.55		

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

Make **CHEVROLET**
 Model Year **1980** Issued **10/79** Revised (a)

Body Type And/Or Engine Displacement

Sedan & Coupe	Station Wagon
---------------	---------------

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	Side lift frame jack body bolt access holes on each side of frame about 2 ft. fwd. of wheel centerline	
Shock absorber front & rear	Type	Direct, double acting, hydraulic
	Make	Delco
	Piston dia.	25 (1.0)
Other special features	Air booster shock absorbers optional equipment on rear of all vehicles	

Suspension — Front

Type and description	Independent - SLA	
Travel	Full Jounce	90.4 (3.56)
	Full Rebound	107.7 (4.24)
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	241.3x102.9;3347x15.8 (9.5x4.05;131.7x.622)
	Spring rate — N/mm (lb./in.)	52.5 (300)
	Rate at wheel — N/mm (lb./in.)	15.3 (87)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel;26(1.0);29(1.14)(b)

Suspension — Rear

Type and description	Salisbury 4-link	
Drive and torque taken through	Control arms	
Travel	Full Jounce	122.7 (4.83)
	Full Rebound	116.3 (4.58)
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D., bar length & dia.)	254x139.7x2961.6x13.44 (10.0x5.5x116.6x.529)
	Spring rate — N/mm (lb./in.)	17.5 (100)
	Rate at wheel — N/mm (lb./in.)	18.9 (108)
	Mounting insulation type	---
	If leaf	No. of leaves Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel-21.8(0.86) (b)
Track bar type	None	

(b) Used with RPO F41 Sport Suspension Equipment.

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

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

Body Type

4-Door Sedan	2-Door Coupe	4-Door Station Wagon
--------------	--------------	----------------------

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Lacquer	
Hood	Rear	
Hood counterbalance (type)	4-Link type with spiral spring	
Hood release control (internal, external)	Internal	
Vehicle Ident. No. Location	Top left hand instrument panel pad	
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	Formed full foam pad
Seat back type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	Formed full foam pad
Method of holding luggage compart. lid open	Air Springs	
Position of spare tire storage	Sedans and coupes-Horizontal front center of trunk compartment. Station wagons, vertical right rear quarter panel.	

Frame

Type and description (Separate frame, unitized frame, partially-unitized frame)	Perimeter type, two cross members
---	-----------------------------------

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

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

Body Type		
4-Door Sedan	2-Door Coupe	4-Door Station Wagon

Convenience Equipment

Power windows	Side Windows	Optional	
	Vent Windows	N.A.	
	Backlight or tailgate	N.A.	Optional
Power seats (specify type as well as availability)	Optional - 6 way 50/50 power bench (left only), all models - 6 way power bench, all models.		
Reclining front seat back (R-L or both)	50/50 seat, passenger seat only.		
Radios (specify type as well as availability)	Optional - AM push button, AM/FM, (2) included in stereo unit. AM stereo with tape, AM/FM stereo with tape. (a)		
Rear seat speaker	Optional with AM and AM/FM Radio		
Power antenna	Optional		
Clock	Standard 1BNO0 models, optional 1BL00 models.		
Air Conditioner (specify type)	Optional - Four season, manual controls, (b)		
Speed warning device	N.A.		
Speed control device	Optional		
Ignition lock lamp	N.A.		
Dome lamp	Standard		
Glove compartment lamp	Standard		
Luggage compartment lamp	Standard	Optional-Rear compt.	
Underhood lamp	Optional		
Courtesy lamp	Standard 1BNO0 models, optional 1BL00 models		
Map lamp	N.A.		
Cornering lamp	Optional		
Rear window defroster electrically heated	Optional		
Rear window defogger	Optional	N.A.	
Theft protection - type	Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.		

- (a) 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.
 AM/FM Stereo radio with cassette tape player.
- (b) Optional - "Comfortron", automatic temperature control, requires V8 engine.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Model	● Vehicle Mass (Weight)							SHIPPING MASS, kg (Weight, lb)**
	CURB MASS, kg. (Weight, lb.)*			% PASS. WEIGHT DISTRIBUTION				
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
Impala								
4-Door sedan-1BL69 (a)	871.0 (1920)	704.6 (1553)	1575.6 (3473)					1514.5 (3339)
2-Door coupe-1BL47 (a)	875.0 (1929)	693.2 (1528)	1568.2 (3457)					1507.1 (3322)
4-Door, 2-Seat (b) Station Wagon - 1BL35	908.0 (2002)	919.1 (2026)	1827.1 (4028)					1774.4 (3912)
Caprice Classic								
4-Door sedan - 1BN69 (a)	883.0 (1947)	714.9 (1576)	1597.9 (3523)					1536.8 (3388)
2-Door coupe - 1BN47 (a)	883.0 (1947)	699.8 (1543)	1582.8 (3489)					1521.7 (3355)
4-Door, 2-Seat (b) Station Wagon - 1BN35	916.0 (2019)	928.2 (2046)	1844.2 (4065)					1791.5 (3949)
(a) With V6 - 229 CID 3.8 Liter Engine								
(b) With V8 - 267 CID 4.4 Liter Engine								
Curb Weight - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oil, 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 -

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

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

Equipment Differential Mass (Weights)	Optional Equipment Mass (Weight)*			Remarks
	MASS, kg. (Weight, lb.)			
	Front	Rear	Total	
Air Conditioning Comfortron	28.2 (+62.2)	1.8 (+4.0)	30.0 (+66.2)	With V8 Engine
Air Conditioning 4-Season	34.2 (+75.4)	1.6 (+3.5)	35.8 (+78.9)	With V6 Engine
	27.0 (+59.5)	1.6 (+3.5)	28.6 (+63.0)	With V8 Engine
Electric Door Locks	1.0 (+2.2)	1.0 (+2.2)	2.0 (+4.4)	2-Door Models
	1.8 (+4.0)	1.4 (+3.1)	3.2 (+7.1)	4-Door Models
Power Frt. Bench Seat	2.4 (+5.3)	2.6 (+5.7)	5.0 (+11.0)	
Floor Mats Front & Rear	2.0 (+4.4)	1.2 (+2.6)	3.2 (+7.0)	
Vinyl Roof Cover (Padded)	0.8 (+1.8)	1.6 (+3.5)	2.4 (+5.3)	
Power Windows	0.8 (+1.8)	0.6 (+1.3)	1.4 (+3.1)	2-Door Models
	1.6 (+3.5)	1.8 (+4.0)	3.4 (+7.5)	4-Door Models
Wheel Trim Covers	0.6 (+1.3)	0.8 (+1.8)	1.4 (+3.1)	
Bumper Impact Strips	0.8 (+1.8)	0.8 (+1.8)	1.6 (+3.6)	Sedans & Coupes
	0.8 (+1.8)	0.8 (+1.8)	1.6 (+3.6)	Station Wagons
Bumper Guards	2.2 (+4.8)	2.0 (+4.4)	4.2 (+9.2)	Sedans & Coupes
	2.2 (+4.8)	1.2 (+2.6)	3.4 (+7.4)	Station Wagons

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

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

Car Line Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Equipment Differential Mass (Weights)	Optional Equipment Mass (Weight)*			Remarks
	MASS, kg. (Weight, lb.)			
	Front	Rear	Total	
Radio AM Push-Button	2.6 (+5.7)	0.6 (+1.3)	3.2 (+7.0)	
Radio AM/FM Push-Button	2.8 (+6.2)	1.0 (+2.2)	3.8 (+8.4)	
Radio AM/FM Stereo	5.0 (+11.0)	2.2 (+4.8)	7.2 (+15.8)	
Radio AM Stereo & Tape	5.4 (+11.9)	2.2 (+4.8)	7.6 (+16.7)	
Radio AM/FM Stereo & Tape	5.6 (+12.3)	2.2 (+4.8)	7.8 (+17.1)	
Radio AM/FM Stereo With Cassette Tape	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	
Radio AM/FM Stereo with Citizen's Band Transcvr.	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	
Radio AM/FM Monaural With Citizen's Band Transceiver.	3.8 (+8.4)	0.6 (+1.3)	4.4 (+9.7)	
Radio, AM/FM Stereo With Clock & Digital Display	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	
Auxiliary Speaker	0 (0)	1.0 (+2.2)	1.0 (+2.2)	
Roof Luggage Carrier	0 (0)	9.6 (+21.2)	9.6 (+21.2)	
• Special Fuel Economy Package	9.3 (20.5)	4.1 (9.0)	13.4 (29.5)	1B147 Model Only
Heavy Duty Front & Rear Suspension	3.2 (+7)	10.9 (+24)	14.1 (+31)	
Sport Suspension Equipment	2.8 (+6.2)	11.2 (+24.7)	14.0 (+30.9)	
267 CID V8 Engine RPO L39	47.0 (+103.6)	3.0 (+6.6)	50.0 (+110.2)	Sedans & Coupes
305 CID V8 Engine RPO LG4	50.4 (+111.1)	3.6 (+7.9)	54.0 (+119.0)	Sedans & Coupes
	6.2 (+13.7)	0.6 (+1.3)	6.8 (+15.0)	Station Wagons
350 CID V8 Engine RPO LF9	105.4 (+232.4)	9.4 (+20.7)	114.8 (+253.1)	Station Wagons

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

MVMA Specifications Form

Passenger Car METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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

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.

Body Type

	SAE Ref. No.	4-Door Sedans		2-Door Coupes		Station Wagons	
		1BL69	1BN69	1BL47	1BN47	1BL35	1BN35
Width							
Tread — Front	W101	1568 (61.8)				1578 (62.2)	
Tread — Rear	W102	1542 (60.8)				1628 (64.1)	
Vehicle width	W103	1914 (75.3)				2014 (79.3)	
Body width at Sg RP — front	W117			1910 (75.2)			
Vehicle width — front doors open	W120	3442 (135.5)		4002 (157.6)		3442 (135.5)	
Vehicle width — rear doors open	W121	2917 (114.9)		---		2915 (114.8)	

Length

Wheelbase	L 101	2945 (116.0)					
Vehicle length	L 103	5386 (212.1)				5464 (215.1)	
Overhang — front	L 104			1030 (40.5)			
Overhang — rear	L 105	1411 (55.6)				1489 (58.6)	
Upper structure length	L 123	2366 (93.1)		2398 (94.4)		3506 (138.0)	
Rear wheel C/L "X" coordinate	L 127			2475 (97.5)			
Cowl point "X" coordinate	L 125	236 (9.3)		239 (9.4)		235 (9.2)	

Height *

Passenger Distribution (ft./rear)	PD1,2,3			2-3			
Trunk/Cargo load				0			
Vehicle height	H 101	1421 (55.9)		1405 (55.3)		1467 (57.7)	
Cowl point to ground	H 114	993 (39.1)				1003 (39.5)	
Deck point to ground	H 138						
Rocker panel front to ground	H 112	226 (8.9)				236 (9.3)	
Bottom of door closed - front to grd.	H 133	282 (11.1)				293 (11.5)	
Rocker panel rear to ground	H 111	230 (9.0)				243 (9.6)	
Bottom of door closed - rear to grd.	H 135	282 (11.1)				295 (11.6)	

Ground Clearance *

Front bumper to ground	H102	305 (12.0)				313 (12.3)	
Rear bumper to ground	H104	343 (13.5)				284 (11.2)	
Bumper to ground — front at curb mass (wt.)	H103			333 (13.1)			
Bumper to ground — rear at curb mass (wt.)	H109	382 (15.0)				311 (12.2)	
Angle of approach	H106	16.62°				17.14°	
Angle of departure	H107	14.56°				11.74°	
Ramp breakover angle	H147	16.78°				17.68°	
Rear axle differential to ground	H153	182 (7.2)				171 (6.7)	
Min. running ground clearance	H156	143 (5.6)				153 (6.0)	
Location of min. run. grd. clear.				Front Suspension to Ground			

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. Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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

Body Type

SAE Ref. No.	4-Door Sedans		2-Door Coupes		Station Wagons		
	1BL69	1BN69	1BL47	1BN47	1BL35	1BN35	
Front Compartment							
Sg RP front, "X" coordinate	L31	1078(42.4)					
Effective head room	H61	1003(39.5)	997(39.2)	985(38.8)	979(38.5)	1005(39.6)	
Effective T Point head room	H75	1006(39.6)	1000(39.4)	990(39.0)	984(38.7)	1009(39.7)	
Max. eff. leg room — accelerator	L34	1072(42.2)					
Sg RP — front to heel	H30	220(8.7)					
Design H-point front travel	L17	163(6.4)					
Shoulder room	W3	1536(60.5)	1546(60.9)	1535(60.4)	1546(60.9)	1536(60.5) | 1546(60.9)	
Hip room	W5	1398(55.0)				1400(55.1)	
Upper body opening to ground	H50	1285(50.6)				1307(51.5)	
Steering Wheel Angle	H18					19.0°	
Back Angle	L40					26.5°	

Rear Compartment

Sg RP Point couple distance	L50	882(34.7)	872(34.3)		844(33.2)	
Effective head room	H63	971(38.2)	965(38.0)	970(38.2)	964(38.0)	999(39.3)
Effective T Point head room	H78	969(38.1)	963(37.9)	970(38.2)	964(38.0)	1003(39.5)
Min. effective leg room	L51	992(39.1)	972(38.3)		959(37.8)	
Sg RP — second to heel	H31	292(11.5)	269(10.6)		307(12.1)	
Knee clearance	L48	91(3.6)	92(3.6)		51(2.0)	
Compartment room	L3	734(28.9)	737(29.0)		720(28.4)	
Shoulder room	W4	1537(60.5)	1546(60.9)	1504(59.2)	1490(58.7)	1536(60.5) | 1548(60.9)
Hip room	W6	1405(55.3)	1472(57.9)	1464(57.6)		1398(55.0)
Upper body opening to ground	H51	1300(51.2)	--		1315(51.8)	

Luggage Compartment

Usable luggage capacity — L(cu. ft.)	V1	592L (20.9 cu. ft.)	--
Liftover height	H185	806 (31.7)	--

All linear dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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

Body Type

SAE Ref. No.	1BL35	Station Wagons	1BN35
--------------	-------	----------------	-------

Station Wagon — Third Seat

Shoulder room	W85	1240 (48.8)
Hip room	W86	1109 (43.7)
Effective leg room	L86	782 (30.8)
Effective head room	H88	948 (37.3)
Effective T Point head room	H89	948 (37.3)
Seat facing direction	SD1	Rearward

Station Wagon — Cargo Space

Cargo length — open — front	L200	2790 (109.8)
Cargo length — open — second	L201	1907 (75.1)
Cargo length — closed — front	L202	2290 (90.2)
Cargo length — closed — second	L203	1407 (55.4)
Cargo length at belt — front	L204	2129 (83.8)
Cargo length at belt — second	L205	1222 (48.1)
Cargo width — wheelhouse	W201	1224 (48.2)
Rear opening width at floor	W203	1238 (48.7)
Opening width at belt	W204	1224 (48.2)
Max. rear opening width above belt	W205	988 (38.9)
Cargo height	H201	755 (29.7)
Rear opening height	H202	729 (28.7)
Tall gate to ground height	H250	741 (29.2)
Front seat back to load floor height	H197	
Cargo volume index — m ³ (ft. ³)	V2	2469L (87.2 Cu.ft.)
Hidden cargo volume — m ³ (ft. ³)	V4	2488L (87.9 Cu.ft.)

Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat Back Height	L208	Not Applicable
Cargo length at floor — front	L209	
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 and Body Dimensions See Key Sheets for definitions

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

Body Type

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

Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location		
Front	X - Fiducial marks 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	564 (22.2)	
	L54	2754 (108.4)	
	H81	509 (20.0)	
	H161	347.79 (13.7)	348.61 (13.7)
	H163	315.04 (12.4)	326.12 (12.8)
Rear	W22	254 (10.0)	302 (11.9)
	L55	5533 (217.83)	5440 (214.17)
	H82	586 (23.07)	466 (18.35)
	H162	449.32 (17.69)	331.15 (13.04)
	H164	411.01 (16.18)	304.92 (12.0)

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

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

Body Type

SAE Ref. No.	4-Door Sedan	2-Door Coupe	Station Wagons
--------------	--------------	--------------	----------------

Glass

Backlight slope angle	H121	41.5°	46.0°	32.5°
Windshield slope angle	H122	53.5°	54.0°	53.5°
Tumble - Home	W122	24.0°	25.5°	24.5°
Windshield glass exposed surface area — cm ² (in. ²)	S1	8619 (1335.9)		
Side glass exposed surface area — cm ² (in. ²)	S2	12004 (1860.6)	10995 (1704.2)	19948 (3091.9)
Backlight glass exposed surface area — cm ² (in. ²)	S3	5451 (844.9)	5665 (878.1)	4661 (722.5)
Total glass exposed surface area — cm ² (in. ²)	S4	26074 (4041.4)	25279 (3918.2)	33228 (5150.3)
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 **	683 (26.9)	691 (27.2)
		Lowest	682 (26.8)	690 (27.2)
	Tail (H128)	Highest	676 (26.6)	701 (27.6)
		Lowest	---	---
	Sidemarker	Front	630 (24.9)	638 (25.1)
		Rear	660 (26.0)	562 (22.1)
Distance from C/L of car to center of bulb	Headlamp	Inside		
		Outside **		
	Tail	Inside		
		Outside		
	Directional	Front		
		Rear		
Headlamp Shape		Rectangular		

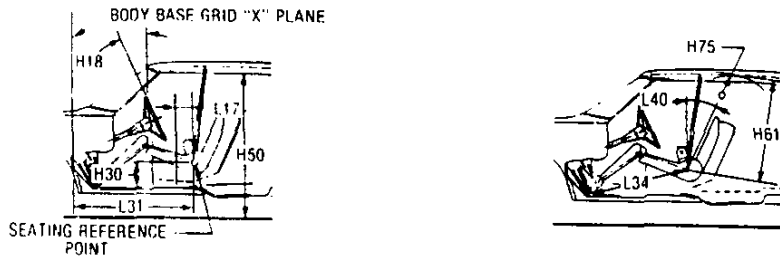
* Measured at curb mass (weight).

** If single headlamps are used enter here

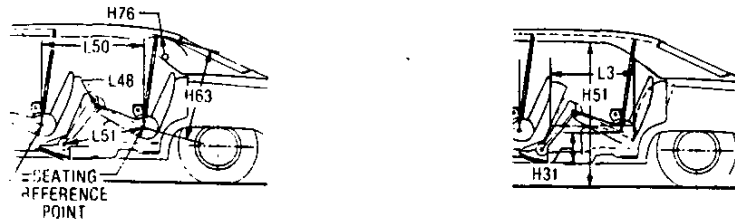
MVMA Specifications Form Passenger Car

Interior Car And Body Dimensions -- Key Sheet

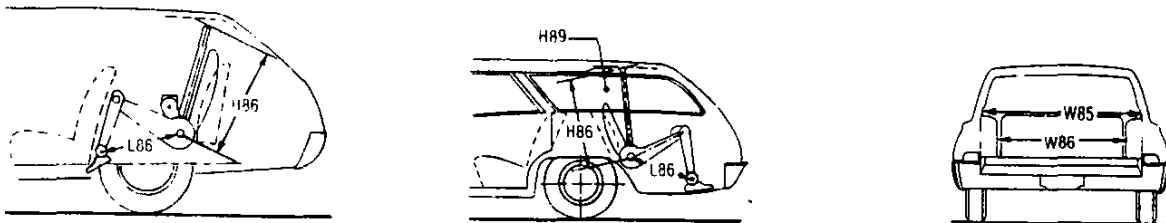
Front Compartment



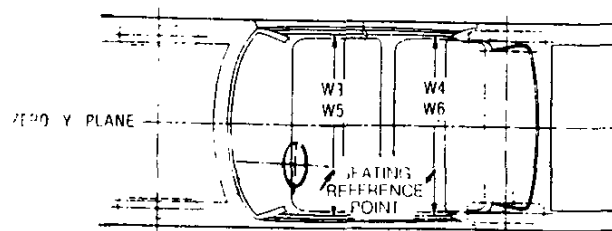
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet Dimension 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 designed 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, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

- L105 OVERHANG — 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, tow 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.
- H125 HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H126 TAILLAMP TO GROUND. 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.

MVMA Specifications Form Passenger Car

Interior Car And Body Dimensions — Key Sheet Dimension Definitions

- 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.
- 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 rearward 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 un-depressed 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 track 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. (25 mm) 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 longitudinally from the back of

MVMA Specifications Form

Passenger Car

Interior Car And Body Dimensions — Key Sheet Dimension Definitions

- 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 longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on 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.
- L203 CARGO LENGTH — CLOSED — SECOND. The dimension measured horizontally from the back of the second seat at the height of 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:

$$\frac{W4 \times H201 \times L204}{1728} = \text{Ft.}^3$$
 Measured in mm:

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

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

$$\frac{\quad}{1728} = \text{Ft.}^3$$
 Measured in mm:

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

$$\frac{\quad}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

MVMA Specifications Form

Passenger Car

Index

Subject	Page No.	Subject	Page No.
Alternator	12	Lamps and Headlamp Shape	30
Automatic Transmission	18	Legroom	27,28
Axis, Steering	20	Lengths — Car and Body	28
Axle, Rear	2,18	Lifters, valve	8
Battery	12	Linings — Clutch, Brake	15,19
Bearings, Engine	4,5,7	Lubrication	7,15,16,17
Belts — Fan, Generator, Water Pump	9	Luggage Compartment	27
Brakes — Parking, Service	18,19	Mass	27,28
Camber	20	Models	1
Camshaft	5	Motor, Starting	15
Capacities		Muffler	10
Cooling System	12	Passenger Capacity	1
Fuel Tank	8	Passenger Mass Distribution	24
Lubricants		Piston Pins & Rings	3,4
Engine Crankcase	7	Pistons	3,4
Transmission	15,16	Power Brakes	19
Rear Axle	16	Power Engine	2
Car Models	1	Power Steering	20
Car and Body Dimensions		Power Teams	2
Width	26	Propeller Shaft, Universal Joints	17
Length	26	Pumps — Oil, Fuel	7,8
Height	26	Water	9
Ground Clearance	26	Radiator — Cap, Hoses	9
Front Compartment	27	Ratios — Axle	2,18
Rear Compartment	27	Compression	2,3
Luggage Compartment	27	Steering	20
Station Wagon — Third Seat	28	Transmission	15,16
Station Wagon — Cargo Space	28	Rear Axle	2,18
Hatchback — Cargo Space	28	Regulator — Generator	12
Carburetor	2,8,11	Rims	18
Caster	20	Rings, Piston	4
Choke, Automatic	8	Rods — Connecting	4
Clutch — Pedal Operated	15	Seats	22
Coil, Ignition	14	Shock Absorbers, Front & Rear	21
Connecting Rods	4	Spark Plugs	14
Convenience Equipment	23	Speedometer	14
Cooling System	9	Springs — Front & Rear Suspension	21
Crankshaft	5	Stabilizer (Sway Bar) — Front & Rear	21
Cylinders and Cylinder Head	3	Starting System	12
Dimension Definitions		Steering	20
Key Sheet — Exterior	31,33	Suppression — Ignition, Radio	14
Key Sheet — Interior	32,34,35	Suspension — Front & Rear	21
Distributor — Ignition	13	Tail Pipe	7
Electrical System	12,13,14	Theft Protection	23
Emission Controls	10,11	Thermostat, Cooling	9
Engine		Timing — Valve, Ignition	8,13
Bore, Stroke, Type	3	Tires	18
Compression Ratio	2,3	Toe in	20
Displacement	2	Torque Converter	18
Firing Order, Cylinder Numbering	3	Torque — Engine	2
General Information, Power & Torque	2,3	Transmission — Types	2,8,15,16
Identification Number Location	22	Transmission — Automatic	2,8,15,16
Lubrication	7	Transmission — Manual	2,8,15
Power Teams	2	Transmission — Ratios	15,16
Exhaust System	7	Tread	26
Equipment Availability	24	Trunk Cargo Load	1
Fan, Cooling	9	Trunk Luggage Capacity	27
Fiducial Marks	29	Turning Diameter	20
Filters — Engine Oil, Fuel System	7,8	Utilized Construction	22
Frame	22	Universal Joints, Propeller Shaft	17
Front Suspension	21	Valves — Intake & Exhaust	8
Fuel, Fuel Pump, Fuel System	3,8,11	Vehicle Identification Number	22
Fuel Injection	8	Voltage Regulator	12
Generator and Regulator	12	Water Pump	9
Glass	30	Weights	24,25
Headroom — Body	27,28	Wheel Alignment	20
Heights — Car and Body	28	Wheelbase	28
Horns	14	Wheels & Tires	18
Horsepower — Brake	2	Wheel Spindle	20
Ignition System	13,14	Widths — Car and Body	26
Inflation — Tires	18	Windshield	30
Instruments	14	Windshield Wiper and Washer	14
Kingpin (Steering Axis)	20		



*1980 CHEVROLET
CAPRICE/IMPALA
RESTORATION
PACKAGE*



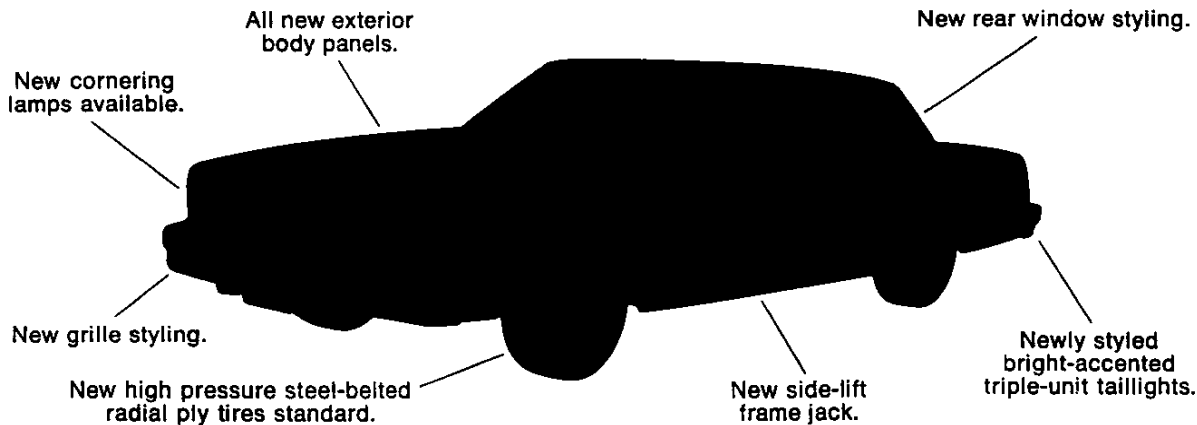
1980 CHEVROLET CAPRICE/IMPALA

ORDERING INFORMATION

MODELS

CAPRICE CLASSIC		Model Number	IMPALA		Model Number
Landau Coupe	.....	1BN47/Z03	Sport Coupe	.....	1BL47
Sport Coupe	.....	1BN47	4-Door Sedan	.....	1BL69
4-Door Sedan	.....	1BN69	4-Door Station Wagon	..... (2-seat)	1BL35
4-Door Station Wagon	..... (2-seat)	1BN35	4-Door Station Wagon	.. (3-seat)	1BL35/AQ4
4-Door Station Wagon	.. (3-seat)	1BN35/AQ4			

NEW FEATURES



ADDITIONAL NEW FEATURES

- New seat and door trim panel design.
- New 3.8 Liter (229 Cubic Inch) 2-Bbl. V6 standard on Coupes and Sedans.
- New 4.4 Liter (267 Cubic Inch) 2-Bbl. V8 standard on Station Wagons.
- New instrument panel wood-grain with revised cluster graphics.
- New wood-grain exterior appearance on Caprice Station Wagons with Estate Equipment.
- Compact spare tire standard on all models.

NEW OPTIONS

- Custom wheel covers RPO PA1
- Cornering lamps RPO T87
- Puncture sealant tires RPO P42
- New 5.7 Liter (350 Cubic Inch) Diesel V8 available for Station Wagons RPO LF9
- 70 amp. Delcotron generator RPO K73
- Dual front and dual rear speakers RPO U92

CONTINUED STANDARD FEATURES

- Automatic transmission.
- Power steering.
- Power disc/drum brake system.
- Disc brake audible wear sensors.
- High Energy Ignition system.
- GM Specification radial ply tires.
- Delco Freedom battery.
- Delcotron generator with built-in solid state regulator.
- Flow-through ventilation system.
- Inside hood release.
- Full one-piece color-keyed cut-pile carpeting.
- Extensive anti-corrosion treatment.
- Coolant recovery system.
- Day/night rearview mirror.
- Electric clock standard on Caprice models.

EQUIPMENT SUMMARY

	Caprice	Impala
Bright windshield reveal molding	S	S
Dual rectangular headlights	S	S
Bright roof drip molding	S	S
Bright door frame molding	S	S
Wheel opening moldings	S	EC
Full wheel covers	S	EC
Wire wheel covers	EC	NA
Center dome light	S	S
Color-keyed instrument panel and steering column	S	S
Cigarette lighter	S	S
Electric clock	S	EC
Quiet Sound Group	S	EC
Automatic transmission	S	S
P205/75R-15 steel-belted radial ply tires and 6" wheels	S (1)	S (1)
P225/75R-15 steel-belted radial ply tires and 7" wheels	S (2)	S (2)
Concealed dual-speed electric windshield wipers	S	S
Front stabilizer bar	S	S
Double panel door, hood, deck lid and tailgate construction	S	S
Front and rear inner fenders	S	S

S—Standard EC—Extra Cost NA—Not Available
 (1) Sedan and Coupe models only. (2) Wagons only.

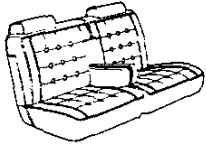
Refer to Dealer Order Guide for option availability and application.

1980 CHEVROLET INTERIORS

To help select the specific interior trim and color on 1980 Caprice Classic and Impala models, shown below is a sample of all seat trim materials. These are identified as to model

availability and types of seats for easy use with the Color and Trim Selection charts in the Dealer Order Guide.

CAPRICE SPECIAL CUSTOM INTERIOR



50/50 Split seat with fold-down center armrests.

SEDAN/COUPE



Blue



Camel

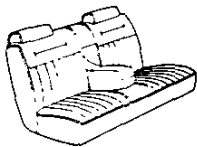


Claret



Oyster

CAPRICE



Standard Bench seat. Fold-down armrest for Sedan and Wagon.

SEDAN/COUPE



Black

WAGONS



Green (Bench only)

ALL MODELS



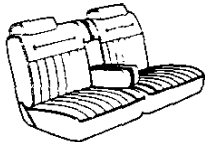
Blue



Camel



Green (Bench only)



50/50 Split seat with fold-down center armrests.



Claret



Blue

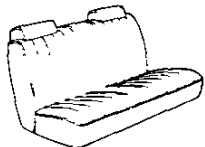


Camel



Claret

IMPALA



Standard Bench seat.

SEDAN/COUPE



Blue



Blue

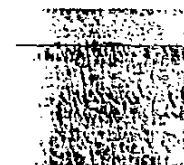


Camel

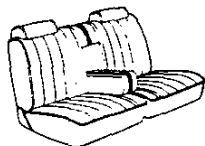


Claret

ALL MODELS



Oyster (Bench only)



50/50 Split seat with fold-down center armrests.



Green (Bench only)



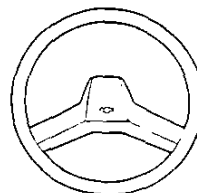
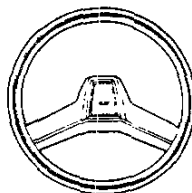
Camel



Claret



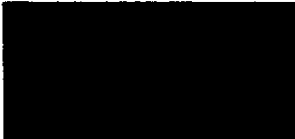
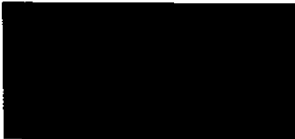
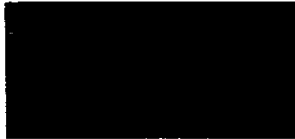
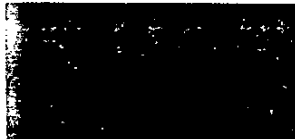

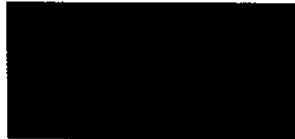




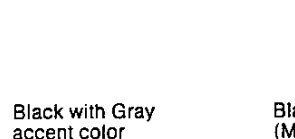

Steering Wheels

Caprice—interior color, wood-grain insert in rim, black emblem with Caprice crest.



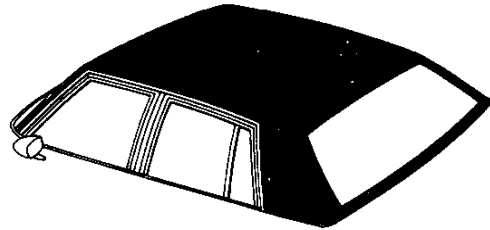
Impala—interior color, gold Chevrolet emblem.

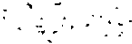
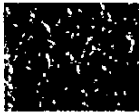



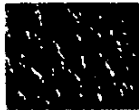


Exterior Colors All Models

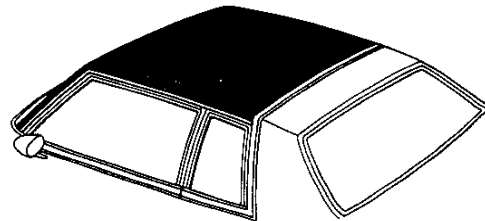
	
59—Beige	75—Claret (Metallic)
	
19—Black	76—Claret, Dark (Metallic)
	
29—Blue, Dark (Metallic)	85—Gray
	
21—Blue, Light (Metallic)	44—Green, Dark (Metallic)
	
63—Camel, Light (Metallic)	15—Silver
	
69—Camel, Medium (Metallic)	11—White
	
77—Cinnabar	50—Yellow

Vinyl Roof Covers









Full roof cover for Caprice and Impala Coupes and Sedans. Available in Levant grain vinyl in seven colors. Sedan roof shown, cover for Coupe is similar.



			
White	Gray	Black	Light Blue*
			
Dark Green*	Light Camel*	Dark Claret*	*Metallic



Landau roof cover standard on Caprice Landau Coupe. Available in Elk grain vinyl in seven colors.

			
White	Gray	Black	Light Blue*
			
Dark Green*	Light Camel*	Dark Claret*	*Metallic

Custom Two-Tone Paint (RPO D84)

Black with Gray
accent color



Black with Gray, Medium
(Metallic) accent color



Black with Silver
accent color



Blue, Dark (Metallic)
with Blue, Light
(Metallic) accent color



Blue, Light (Metallic)
with Blue, Medium
(Metallic) accent color



Camel, Light (Metallic)
with Beige accent color



Camel, Light (Metallic)
with Camel, Medium
(Metallic) accent color



Claret, Dark (Metallic)
with Claret (Metallic)
accent color



Claret, Dark (Metallic)
with Gray accent color



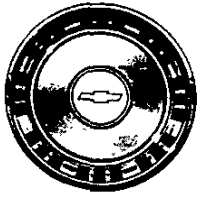
Gray with Gray, Medium
(Metallic) accent color



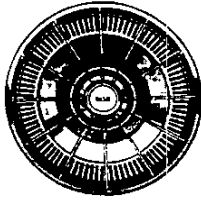
Wheel Trim



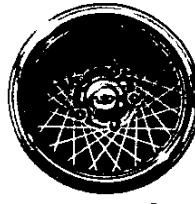
Hubcap
Standard on Impala.



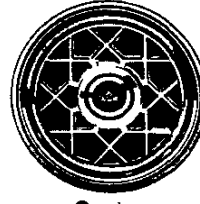
Full Wheel Cover
RPO P01 for Impala.
Included in RPO ZX5
Value Appearance
Group.



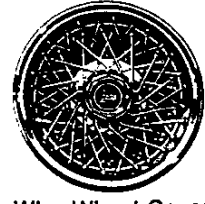
Full Wheel Cover
Standard on Caprice.



Sport Wheel Cover
RPO PB2 Available
for Caprice and
Impala, all models
except Landau.

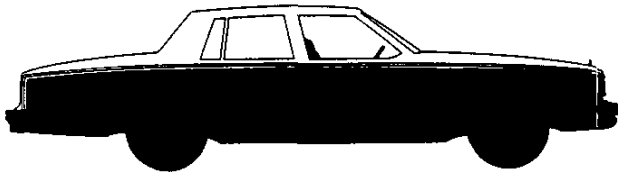


**Custom
Wheel Cover**
RPO PA1 Available
for Caprice and
Impala, all models
except Landau.



Wire Wheel Cover
Standard on Caprice
Landau Coupe,
RPO N95 for other
Caprice models
(Includes different
hub emblem).

Custom Two-Tone Paint (RPO D84)



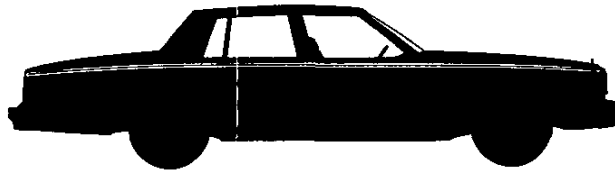
Two-Tone exterior paint with accent color on body sides and fenders. Color-keyed pin striping separates the two colors. Available in choice of ten combinations. Available for all models except Caprice Estate Wagon.

Body Side Moldings (RPO B84)



Bright with color-keyed vinyl insert, except Caprice Estate Wagon has wood-grain insert. Available for all models, in seven different colors keyed to exterior/interior colors. Included in RPO ZX5 Value Appearance Group for Impala models.

Body Side Pin Striping (RPO D85)



On body sides and fenders. Available in eight dual stripe colors keyed to exterior/interior colors. Available on all models except Caprice Estate Wagon.

LOW PRICE LOOKERS

Listed below are three suggested Low Price Looker packages . . . base units with a minimum group of appearance options.

Where your Announcement Day availability enables you to order the Low Price Looker model—it will provide you with

a distinctive showroom display car at a low sticker price.

In instances where it is not practicable to order a Low Price Looker in Phase I or II, consider ordering one among your Phase III units for early post-Announcement Day showroom display.

IMPALA COUPE
1BL47 (V6) Coupe
ZX5 Value Appearance Group
QJW Whitewall Tires
U63 AM Radio

IMPALA SEDAN
1BL69 (V6) Sedan
ZX5 Value Appearance Group
QJW Whitewall Tires
U63 AM Radio

IMPALA WAGON
1BL35 (V8) Wagon
ZX5 Value Appearance Group
QLZ Whitewall Tires
V55 Roof Carrier
U63 AM Radio

All illustrations and specifications in this brochure are based on the latest product information available at the time of publication approval. Right is reserved to make changes at any time, without notice, in colors, materials, specifications and models, and also to discontinue models. Chevrolet Motor Division, General Motors Corporation, Detroit, Michigan 48202.


Litho in U.S.A. 5/79

Refer to Dealer Order Guide for option availability and application.

✓ ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description	Option Number	Description
AG9	SEAT, POWER: Six-Way	N33	STEERING WHEEL: Comfortilt
AQ4	3-SEAT WAGON (Model Option)	N95	WHEEL TRIM: Wheel Covers, Wire
AU3	DOOR LOCK SYSTEM, POWER	PA1	WHEEL TRIM: Wheel Covers, Custom
A01	GLASS, TINTED: All Windows	PB2	WHEEL TRIM: Wheel Covers, Sport
A31	WINDOWS, POWER	P01	WHEEL TRIM: Wheel Covers, Full
A90	TRUNK OPENER, POWER	P42	PUNCTURE SEALANT TIRES
BC5	FLOOR COVERING: Carpeting, Deluxe Cargo Area	QHK	TIRES: P225/70 R-15 Whitewall (Radial)
BS1	QUIET SOUND GROUP	QJU	TIRES: P205/75 R-15 Blackwall (Radial)
BX3	ESTATE EQUIPMENT	QJW	TIRES: P205/75 R-15 Whitewall (Radial)
B1Q	TAILGATE LOCK, POWER	QKU	TIRES: P215/75 R-15 Whitewall (Radial)
B3W	PRELIMINARY PRICE INFORMATION	QLX	TIRES: P225/75 R-15 Blackwall (Radial)
B32	FLOOR COVERING: Mats, Color-Keyed Floor, Front Only	QLZ	TIRES: P225/75 R-15 Whitewall (Radial)
B33	FLOOR COVERING: Mats, Color-Keyed Floor, Rear Only	TR9	LIGHTING, AUXILIARY
B39	FLOOR COVERING: Carpeting, Deluxe Load Floor	TT5	HI-INTENSITY, HI-BEAM HEADLAMPS
B48	LUGGAGE COMPARTMENT TRIM, DELUXE	T87	LAMPS, CORNERING
B84	MOLDINGS: Body Side	UA1	BATTERY, HEAVY-DUTY
B93	MOLDINGS: Door Edge Guard	UE8	CLOCK: Digital
B96	MOLDINGS: Wheel Opening	UF7	GAGE PACKAGE
CA1	SKY ROOF, POWER	UM2	RADIO EQUIPMENT: AM/FM Stereo Radio with 8-Track Stereo Tape
CD4	WINDSHIELD WIPER SYSTEM: Intermittent	UN3	RADIO EQUIPMENT: AM/FM Stereo Radio with Stereo Cassette Tape
C49	DEFOGGER, REAR WINDOW: Electric	UP5	RADIO EQUIPMENT: AM/FM/Citizens Band Radio with Power Antenna
C50	DEFOGGER, REAR WINDOW: Blower Type	UP6	RADIO EQUIPMENT: AM/FM Stereo/Citizens Band Radio with Power Antenna
C60	AIR CONDITIONING	UY8	RADIO EQUIPMENT: AM/FM Stereo Radio with Digital Clock Display
C61	AIR CONDITIONING, COMFORTRON	U05	HORNS, DUAL
DF3	MIRRORS: Outside Rearview, LH and RH Remote Control	U35	CLOCK: Electric
D24	CONTAINER, LITTER	U58	RADIO EQUIPMENT: AM/FM Stereo Radio
D33	MIRROR: Outside Rearview, LH Remote Control	U63	RADIO EQUIPMENT: AM Radio
D34	MIRROR: RH Visor	U69	RADIO EQUIPMENT: AM/FM Radio
D35	MIRRORS: Sport, LH Remote and RH Manual	U75	RADIO EQUIPMENT: Power Antenna
D60	NON-RECOMMENDED COLOR COMBINATION	U76	RADIO EQUIPMENT: Windshield Antenna
D64	MIRROR: RH Visor, Illuminated	U80	RADIO EQUIPMENT: Speaker, Rear Seat
D68	MIRRORS: Sport, Twin Remote	U92	RADIO EQUIPMENT: Speakers, Dual Front and Dual Rear
D84	PAINT: Custom Two-Tone	VE5	BUMPER EQUIPMENT: Bumper Rub Strips
D85	STRIPING, PIN: Body Side	V08	COOLING, HEAVY-DUTY
F40	SUSPENSION EQUIPMENT: Suspension, Heavy-Duty Front and Rear	V30	BUMPER EQUIPMENT: Bumper Guards, Front and Rear
F41	SUSPENSION EQUIPMENT: Suspension, Sport	V55	CARRIER, ROOF
G66	SUSPENSION EQUIPMENT: Shock Absorbers, Inflatable Rear	YF5	EMISSION SYSTEM: California Emission Requirements
G80	AXLE, REAR: Limited Slip Differential	ZX5	VALUE APPEARANCE GROUP
G92	AXLE, REAR: Performance Ratio	Z03	LANDAU (Model Option)
K05	HEATER, ENGINE BLOCK	Z5A	SPECIAL ECONOMY EQUIPMENT
K30	SPEED CONTROL: Automatic	15M	ACCENT: Silver
K73	GENERATOR: 70-Amp Delcotron	16M	ACCENT: Med. Gray Metallic
LC3	ENGINE: 3.8 Liter 2 BBL V6	21M	ACCENT: Lt. Blue Metallic
LD5	ENGINE: 3.8 Liter 2 BBL V6	22M	ACCENT: Med. Blue Metallic
✓ LF9	ENGINE: 5.7 Liter Diesel V8 With Water-In-Fuel Indicator	59M	ACCENT: Beige
LG4	ENGINE: 5.0 Liter 4 BBL V8	69M	ACCENT: Med Camel Metallic
L39	ENGINE: 4.4 Liter 2 BBL V8	75M	ACCENT: Claret Metallic
NA5	EMISSION SYSTEM: Standard Emission Equipment	85M	ACCENT: Gray

CAPRICE COUPES AND SEDANS

COLOR AND TRIM SELECTION (Refer Page 10 for Additional Information)

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts 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.

Interior Trim Color		Black	Blue	Camel	Claret	Green	Oyster
MODEL	SEAT TYPE						
1BN69-1BN47	Cloth Bench	CBB1	CDD1	CCC1	CRR1	CGG1	
	Cloth 50/50	CBB3	CDD3	CCC3	CRR3		
	Vinyl Bench		VDD1	VCC1	VRR1		
	Vinyl 50/50		VDD3	VCC3	VRR3		
	Special Custom Cloth 50/50		LDD3	LCC3	LRR3		LWW3

WITH D84 CUSTOM TWO-TONE PAINT (ACCENT COLOR MUST BE SPECIFIED)
N/A Z03 LANDAU
(D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L U or Vinyl	Accent Color and Ordering Code#	Black	Blue	Camel	Claret	Green	Oyster
Black	19 19 BB	Gray 85M	R			R		R
Black	19 19 BB	Med Gray (Met) 16M	R			R		R
Black	19 19 BB	Silver (Met) 15M	R			R		R
Blue, Dark (Met)	29 29 —	Lt Blue (Met) 21M		R				A
Blue, Light (Met)	21 21 DD	Med Blue (Met) 22M		R				A
Camel, Light (Met)	63 63 CC	Beige 59M			R			
Camel, Light (Met)	63 63 CC	Med Camel (Met) 69M			R			
Claret, Dark (Met)	76 76 RR	Claret (Met) 75M			R	R		R
Claret, Dark (Met)	76 76 RR	Gray 85M				R		R
Gray	85 85 QQ	Med Gray (Met) 16M	R			R		R

*Must be Ordered

WITH CONVENTIONAL TWO-TONE PAINT
N/A VINYL ROOF OR Z03 LANDAU

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Blue, Light (Met)/White	21 11		A	R				A
Camel, Lt (Met)/Beige	63 59		A		R			A
Camel, Med (Met)/Beige	69 59		R		R			A
Cinnabar/Beige	77 59		R		R			R
Claret, Dark (Met)/Beige	76 59		A	R		R		R
Gray/White	85 11		R	R	A	R		R
Green, Dark (Met)/Beige	44 59		A		R		R	A
Yellow/White	50 11		R		R			A

WITHOUT CONVENTIONAL TWO-TONE OR D84 CUSTOM TWO-TONE

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Beige	59 59		R	R*	R	R	A*	
Black	19 19		R	R	R	R	R	R
Blue, Dark (Met)	29 29		A	R	R			A
Blue, Light (Met)	21 21		A	R				A
Camel, Light (Met)	63 63		A		R			
Camel, Medium (Met)	69 69		R		R			A*
Cinnabar	77 77		R		R*			R
Claret (Met)	75 75		A			R		A
Claret, Dark (Met)	76 76		A		R	R		R
Gray	85 85		R	R	A	R		R
Green, Dark (Met)	44 44		A		R		R	A
Silver	15 15		R	R*		R		R
White	11 11		R	R	R	R	R	R
Yellow	50 50		R		R*			A*

*N/A Z03 Landau

VINYL ROOF SELECTOR

	L	U	U	U	U	U	U
Beige	59	BB		CC	RR		
Black	19	BB	BB	BB or CC	BB or RR	BB	BB or QQ
Blue, Dark (Met)	29	BB	*WW or DD	CC			QQ
Blue, Light (Met)	21	BB or DD	*WW or DD				DD
Camel, Light (Met)	63	CC		*WW or CC			
Camel, Medium (Met)	69	BB		CC			
Cinnabar	77	BB					QQ
Claret (Met)	75	BB			*WW or RR		QQ
Claret, Dark (Met)	76	RR		RR or CC	*WW or RR		QQ or RR
Gray	85	QQ	QQ	QQ	QQ or RR		QQ
Green, Dark (Met)	44	GG		CC or GG		*WW or GG	GG
Silver	15	BB			RR		BB
White	11	WW or BB	WW	WW or CC	WW or RR	WW	WW
Yellow	50	BB					

L = Lower U = Upper *WW Vinyl Roof N/A Z03 Landau

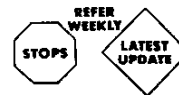
VINYL ROOF COLORS

WHITE WW LIGHT BLUE (MET) DD LIGHT CAMEL (MET) CC GRAY QQ
 BLACK BB DARK GREEN (MET) GG DARK CLARET (MET) ... RR

POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO		
	2.41	2.73	3.08
WITH NA5 STANDARD EMISSIONS			
LC3	—	Std.	—
L39	Std.	—	—
LG4	Std.	—	G92
WITH YF5 CALIFORNIA EMISSIONS			
LD5	—	Std.	—
LG4	Std.	—	G92

CAPRICE COUPES AND SEDANS



MODEL	
1BN47	Caprice Classic Sport Coupe
1BN47/Z03	Caprice Classic Landau Coupe
1BN69	Caprice Classic 4-Door Sedan
_____Z03	Landau (Reqs Vinyl Roof)

ENGINES: MUST ORDER ONE

AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT

- _____LC3 3.8 Liter 2 BBL V6
- _____L39 4.4 Liter 2 BBL V8
- _____LG4 5.0 Liter 4 BBL V8

AVAILABLE WITH YF5 CALIFORNIA EMISSION REQUIREMENTS

- _____LD5 3.8 Liter 2 BBL V6
- _____LG4 5.0 Liter 4 BBL V8

QUICK-SPEC

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

		4	4	4	4	✓	✓
		0	0	0	0	0	0
		0	1	2	3	4	
		A	A	A	B	C	
Air Conditioning	C60	x	x	x	x	x	
Glass, Tinted	A01	x	x	x	x	x	
Guards, Bumper	V30	x	x	x	x	x	
Mirror, LH Remote (w/o Z03 Landau)	D33	x	x	x	N/I	N/I	
Moldings, Body Side	B84	x	x	x	x	x	
Moldings, Door Edge Guard	B93	x	x	x	x	x	
Radio, AM	U63	x	N/I	N/I	N/I	N/I	
Steering Wheel, Comfortilt	N33	x	x	x	x	x	
Tires, P205/75 Whitewall	QJW	x	x	x	x	x	
Bumper Rub Strips	VE5	x	x	x	x	x	
Door Lock System, Power	AU3	x	x	x	x	x	
Lighting, Auxiliary	TR9	x	x	x	x	x	
Mats, Color-Keyed Floor, Front only	B32	x	x	x	x	x	
Mats, Color-Keyed Floor, Rear only	B33	x	x	x	x	x	
Radio, AM/FM	U69	x	N/I	N/I	N/I	N/I	
Speaker, Rear Seat	U80	x	N/I	N/I	N/I	N/I	
Speed Control	K30	x	x	x	x	x	
Windows, Power	A31	x	x	x	x	x	
Clock, Digital	UE8		x	x	x	x	
Defogger, Rear Window Electric	C49		x	x	x	x	
Radio, AM/FM Stereo	U58		x	N/I	N/I	N/I	
Seat, Power	AG9		x	x	x	x	
Trunk Opener, Power	A90		x	x	x	x	
Wheel Covers, Sport (w/o Z03 Landau)	PB2		x	N/I	N/I	N/I	
W/S Wiper System, Intermittent	C04		x	x	x	x	
Container, Litter	D24		x	x	x	x	
Gage Package	UF7		x	x	x	x	
Luggage Compartment Trim	B48		x	x	x	x	
Mirrors, LH and RH Remote (w/o Z03 Landau)	DF3		x	N/I	N/I	N/I	
Mirror, RH Visor, Illuminated	D64		x	x	x	x	
Power Antenna	U75		x	x	x	x	
Radio, AM/FM Stereo w/8-Track Stereo	UM2		x	N/I	N/I	N/I	
Tape	N95		x	x	x	x	
Hi-Intensity, Hi-Beam Headlamps	TT5		x	x	x	x	
Lamps, Cornering	T87		x	x	x	x	
Mirrors, Sport Twin Remote	D68		x	x	x	x	
Puncture Sealant Tires	P42		x	x	x	x	
Radio, AM/FM Stereo w/Stereo Cassette	UN3		x	x	x	x	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
400	C60	AIR CONDITIONING
_____	C61	AIR CONDITIONING, COMFORTRON: (N/A LC3 or LD5 Eng)
_____	G92	AXLES, REAR: Performance Ratio (Reqs LG4 Eng)
_____	G80	Limited Slip Differential
_____	UA1	BATTERY, HEAVY-DUTY
401	VE5	BUMPER EQUIPMENT: Front and Rear
400	V30	Bumper Rub Strips
402	UE8	Bumper Guards
403	D24	CLOCK: Digital (N/A UY8 Radio)
_____	V08	CONTAINER, LITTER: (N/A YF5 Calif)
_____	V08	COOLING, HEAVY-DUTY

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
_____	C50	DEFOGGER, REAR WINDOW:
402	C49	Blower Type (N/A Special Custom Trim)
401	AU3	Electric
_____	YF5	DOOR LOCK SYSTEM, POWER
_____	NA5	EMISSION SYSTEMS: (Must Order Only One) (See Power Teams Chart)
401	B32	California Emission Requirements
401	B33	Standard Emission Equipment
403	UF7	FLOOR COVERING:
_____	K73	Mats, Color-Keyed Floor, Front Only
400	A01	Mats, Color-Keyed Floor, Rear Only
404	TT5	GAGE PACKAGE
404	T87	GENERATOR: 70-Amp Delcotron (N/A C49 Defogger with C60 or C61 Air)
401	TR9	GLASS, TINTED: All Windows
403	B48	HI-INTENSITY, HI-BEAM HEADLAMPS
400	D33	LAMPS, CORNERING
403	DF3	LIGHTING, AUXILIARY
_____	D35	LUGGAGE COMPARTMENT TRIM, DELUXE
404	D68	MIRRORS:
403	D64	Outside Rearview, LH Remote Control (N/A Z03 Landau)
400	B84	Outside Rearview, LH and RH Remote Control (N/A Z03 Landau)
400	B93	Sport, LH Remote and RH Manual (Incl w/Z03 Landau)
400	D84	Sport, Twin Remote
_____	B3W	RH Visor
404	U63	RH Visor, Illuminated
401	U69	MOLDINGS:
402	U58	Body Side
403	UM2	Door Edge Guards
404	UN3	PAINT, CUSTOM TWO-TONE: (N/A Z03 Landau)
UP5	UP5	(Refer Page 2 for Exterior Paint Availability and Page 10 for Add'l Information)
UP6	UP6	PRELIMINARY PRICE INFORMATION
UY8	UY8	RADIO EQUIPMENT:
401	U80	AM Radio
400	U92	AM/FM Radio
_____	U76	AM/FM Stereo Radio
401	U80	AM/FM Stereo Radio w/8-Track Stereo Tape
400	U92	AM/FM Stereo Radio w/Stereo Cassette Tape
_____	U75	AM/FM/Citizens Band Radio w/Power Antenna (Reqs U80 or U92 Speakers) (N/A U75 Antenna)
402	AG9	AM/FM Stereo/Citizens Band Radio w/Power Antenna (N/A U75 Antenna)
401	U80	AM/FM Stereo Radio w/Digital Clock Display (N/A UE8 Clock)
400	D85	Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
_____	F41	Speakers, Dual Front and Dual Rear (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM2, UN3, UP6 or UY8 Radio)
401	K30	Windshield Antenna (N/A UP5 or UP6 Radio) (Incl w/Above Radio Equip w/o U75 Antenna)
400	N33	Power Antenna (Reqs U63, U69, U58, UM2, UN3 or UY8 Radio) (N/A U76 Antenna)
_____	F66	ROOF COVER, VINYL: (See Vinyl Roof Selector)
_____	F40	SEAT, POWER: Six-Way (w/50/50 Seat, Driver's Side Only)
_____	F41	SKY ROOF, POWER
_____	QJU	SPEED CONTROL: Automatic
400	QJW	STEERING WHEEL: Comfortilt
_____	QKU	STRIPING, PIN: Body Side (N/A D84 Paint or Z03 Landau) (Refer Page 10 for Stripe Color Application)
_____	QHK	SUSPENSION EQUIPMENT:
404	P42	Shock Absorbers, Inflatable Rear
402	A90	Suspension, Heavy-Duty Front and Rear (N/A F41 Susp)
402	PB2	Suspension, Sport (Reqs QHK Tires)
403	N95	TIRES AND EQUIPMENT: (B/W: Blackwall, W/W: Whitewall, Steel Belted Radial Ply)
401	A31	_____P205/75 R-15 B/W (Base)
402	CD4	_____P205/75 R-15 W/W
_____	_____	_____P215/75 R-15 W/W
_____	_____	_____P225/70 R-15 W/W (Reqs F41 Susp)
_____	_____	_____Puncture Sealant Tires (Reqs QJW Tires)
_____	_____	TRUNK OPENER, POWER
_____	_____	WHEEL TRIM: (N/A Z03 Landau)
_____	_____	_____Wheel Covers, Sport
_____	_____	_____Wheel Covers, Wire
_____	_____	_____Wheel Covers, Custom
_____	_____	WINDOWS: Power
_____	_____	WINDSHIELD WIPER SYSTEM: Intermittent

IMPALA COUPES AND SEDANS

COLOR AND TRIM SELECTION (Refer Page 10 for Additional Information)

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts 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.

Interior Trim Color		Blue	Camel	Claret	Green	Oyster
MODEL	SEAT TYPE					
1BL69	Cloth Bench	CDD1	CCC1	CRR1	CGG1	
1BL47	Vinyl Bench	VDD1	VCC1	VRR1		VWW1

WITH D84 CUSTOM TWO-TONE PAINT (ACCENT COLOR MUST BE SPECIFIED) (D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L U or Vinyl	Accent Color and Ordering Code#	Blue	Camel	Claret	Green	Oyster
Black	19 19 BB	Gray 85M			R		R
Black	19 19 BB	Med Gray (Met) 16M			R		R
Black	19 19 BB	Silver (Met) 15M			R		R
Blue, Dark (Met)	29 29 —	Lt Blue (Met) 21M	R				A
Blue, Light (Met)	21 21 DD	Med Blue (Met) 22M	R				A
Camel, Light (Met)	63 63 CC	Beige 59M		R			
Camel, Light (Met)	63 63 CC	Med Camel (Met) 59M		R			
Claret, Dark (Met)	76 76 RR	Claret (Met) 75M			R		R
Claret, Dark (Met)	76 76 RR	Gray 85M			R		R
Gray	85 85 QQ	Med Gray (Met) 16M			R		R

*Must be Ordered

WITH CONVENTIONAL TWO-TONE PAINT N/A VINYL ROOF

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Blue, Light (Met)/White	21 11		R				A
Camel, Lt (Met)/Beige	63 59			R			A
Camel, Med (Met)/Beige	69 59			R			R
Cinnabar/Beige	77 59			R			R
Claret, Dark (Met)/Beige	76 59			R	R		R
Gray/White	85 11		R	A	R		R
Green, Dark (Met)/Beige	44 59			R		R	A
Yellow/White	50 11			R			A

WITHOUT CONVENTIONAL TWO-TONE OR D84 CUSTOM TWO-TONE

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Beige	59 59		R	R	R	A	R
Black	19 19		R	R	R	R	A
Blue, Dark (Met)	29 29		R	R			A
Blue, Light (Met)	21 21		R				A
Camel, Light (Met)	63 63			R			A
Camel, Medium (Met)	69 69			R			R
Cinnabar	77 77			R			R
Claret (Met)	75 75				R		A
Claret, Dark (Met)	76 76			R	R		R
Gray	85 85		R	A	R		A
Green, Dark (Met)	44 44			R		R	A
Silver	15 15		R		R		R
White	11 11		R	R	R	R	R
Yellow	50 50			R			A

VINYL ROOF SELECTOR

	L	U	U	U	U	U
Beige	59		CC	RR		
Black	19		BB	BB or CC	BB or RR	BB
Blue, Dark (Met)	29		WW or DD	CC		
Blue, Light (Met)	21		WW or DD			DD
Camel, Light (Met)	63			WW or CC		
Camel, Medium (Met)	69			CC		
Cinnabar	77					QQ
Claret (Met)	75				WW or RR	QQ
Claret, Dark (Met)	76				RR or CC	WW or RR
Gray	85		QQ	QQ	QQ or RR	QQ
Green, Dark (Met)	44			CC or GG		WW or GG
Silver	15				RR	BB
White	11		WW	WW or CC	WW or RR	WW
Yellow	50					WW

L - Lower U - Upper

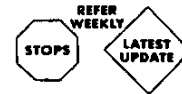
VINYL ROOF COLORS

WHITE WW LIGHT BLUE (MET) DD LIGHT CAMEL (MET) CC GRAY QQ
 BLACK BB DARK GREEN (MET) GG DARK CLARET (MET) RR

POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO		
	2.41	2.73	3.08
WITH NA5 STANDARD EMISSIONS			
LC3 w/25A	Std	—	—
LC3 w/o 25A	—	Std	—
L39	Std	—	—
LG4	Std	—	G92
WITH YFS CALIFORNIA EMISSIONS			
LD5	—	Std	—
LG4	Std	—	G92

IMPALA COUPES AND SEDANS



MODEL
1BL47 Impala Sport Coupe
1BL69 4-Door Sedan

ENGINES: MUST ORDER ONE

AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT

LC3 3.8 Liter 2 BBL V6
L39 4.4 Liter 2 BBL V8
LG4 5.0 Liter 4 BBL V8

AVAILABLE WITH YF5 CALIFORNIA EMISSION REQUIREMENTS

LD5 3.8 Liter 2 BBL V6
LG4 5.0 Liter 4 BBL V8

QUICK-SPEC

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

		4	4	4	4	4
Air Conditioning	C60	x	x	x	x	x
Glass, Tinted	A01	x	x	x	x	x
Mats, Color-Keyed Floor, Front only	B32	x	x	x	x	x
Mats, Color-Keyed Floor, Rear only	B33	x	x	x	x	x
Mirror, LH Remote	D33	x	x	x	N/I	N/I
Radio, AM	U63	x	N/I	N/I	N/I	N/I
Tires, P205/75 Whitewall	QJW	x	x	x	x	x
Value Appearance Group	ZX5	x	x	x	x	x
Defogger, Rear Window Electric	C49	x	x	x	x	x
Guards, Bumper	V30	x	x	x	x	x
Moldings, Door Edge Guard	B93	x	x	x	x	x
Radio, AM/FM	U69	x	x	N/I	N/I	
Speaker, Rear Seat	U80	x	x	N/I	N/I	
Speed Control	K30	x	x	x	x	
Steering Wheel, Comfortilt	N33	x	x	x	x	
Bumper Rub Strips	VE5		x	x	x	
Clock, Electric	U35		x	x	N/I	
Door Lock System, Power	AU3		x	x	x	
Lighting, Auxiliary	TR9		x	x	x	
Quiet Sound Group	BS1		x	x	x	
Gage Package	UF7				x	x
Horns, Dual	U05				x	x
Mirrors, Sport LH Remote and RH Manual	D35				x	N/I
Radio, AM/FM Stereo	U58				x	x
Windows, Power	A31				x	x
W/S Wiper System, Intermittent	CD4				x	x
Clock, Digital	UE8				x	
Hi-Intensity, Hi-Beam Headlamps	TT5				x	
Mirrors, LH and RH Remote	DF3				x	
Mirror, RH Visor	D34				x	
Puncture Sealant Tires	P42				x	
Trunk Opener, Power	A90				x	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
430	C60	AIR CONDITIONING
	C61	AIR CONDITIONING, COMFORTRON: (N/A LC3 or LD5 Eng)
		AXLES, REAR:
	G92	Performance Ratio (Reqs LG4 Eng)
	G80	Limited Slip Differential
	UA1	BATTERY, HEAVY-DUTY
		BUMPER EQUIPMENT: Front and Rear
432	VE5	Bumper Rub Strips
431	V30	Bumper Guards
		CLOCKS: (N/A UY8 Radio)
434	UE8	Digital
432	U35	Electric
	D24	CONTAINER, LITTER: (N/A YF5 Calif)
	V08	COOLING, HEAVY-DUTY
		DEFOGGER, REAR WINDOW:
	C50	Blower Type
431	C49	Electric
432	AU3	DOOR LOCK SYSTEM, POWER
		EMISSION SYSTEMS: (Must Order Only One) (See Power Teams Chart)
	YF5	California Emission Requirements
	NA5	Standard Emission Equipment

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
430	B32	FLOOR COVERING:
430	B33	Mats, Color-Keyed Floor, Front Only
433	UF7	Mats, Color-Keyed Floor, Rear Only
	K73	GAGE PACKAGE
		GENERATOR: 70-Amp Delcotron (N/A C49 Defogger w/C60 or C61 Air)
430	A01	GLASS, TINTED: All Windows
434	TT5	HI-INTENSITY, HI-BEAM HEADLAMPS
433	U05	HORNS, DUAL
	T87	LAMPS, CORNERING
432	TR9	LIGHTING, AUXILIARY
	B48	LUGGAGE COMPARTMENT TRIM, DELUXE
		MIRRORS:
430	D33	Outside Rearview, LH Remote Control
434	DF3	Outside Rearview, LH and RH Remote Control
433	D35	Sport, LH Remote and RH Manual
	D68	Sport, Twin Remote
434	D34	RH Visor
	D64	RH Visor, Illuminated
		MOLDINGS:
	B84	Body Side (Incl w/ZX5 Value App Group)
431	B93	Door Edge Guards
	B96	Wheel Opening (Incl w/ZX5 Value App Group)
	D84	PAINT, CUSTOM TWO-TONE: (Refer Page 4 for Exterior Paint Availability and Page 10 for Add'l Information)
		PRELIMINARY PRICE INFORMATION
	B3W	QUIET SOUND GROUP
432	BS1	RADIO EQUIPMENT:
		AM Radio
430	U63	AM/FM Radio
431	U69	AM/FM Stereo Radio
433	U58	AM/FM Stereo Radio w/8-Track Stereo Tape
	UM2	AM/FM Stereo Radio w/Stereo Cassette Tape
	UN3	AM/FM/Citizens Band Radio w/Power Antenna (Reqs U80 or U92 Speakers) (N/A U75 Antenna)
	UP5	AM/FM Stereo/Citizens Band Radio w/Power Antenna (N/A U75 Antenna)
	UP6	AM/FM Stereo Radio w/Digital Clock Display (N/A U35 or U68 Clock)
	UY8	Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
431	U80	Speakers, Dual Front and Dual Rear (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM2, UN3, UP6 and UY8 Radio)
	U92	Windshield Antenna (N/A UP5 or UP6 Radio) (Incl w/Above Radio Equip w/o U75 Antenna)
	U76	Power Antenna (Reqs U63, U69, U58, UM2, UN3 or UY8 Radio) (N/A U76 Antenna)
		ROOF COVER, VINYL: (See Vinyl Roof Selector)
	AG9	SEAT, POWER: Six-Way
	CA1	SKY ROOF, POWER
	Z5A	SPECIAL ECONOMY EQUIPMENT: (1BL47 Only) (Reqs LC3 Eng and QKU Tires) (N/A YF5 Calif, BS1 Quiet Sound Group, C60 or C61 Air)
431	K30	SPEED CONTROL: Automatic
431	N33	STEERING WHEEL: Comfortilt
	D85	STRIPING, PIN: Body Side (N/A D84 Paint) (Refer Page 10 for Stripe Color Application)
		SUSPENSION EQUIPMENT:
	G66	Shock Absorbers, Inflatable Rear
	F40	Suspension, Heavy-Duty Front and Rear (N/A F41 Susp)
	F41	Suspension, Sport (Reqs QHK Tires)
		TIRES AND EQUIPMENT: (B/W: Blackwall, W/W: Whitewall)
		Steel Belted Radial Ply
	QJU	P205/75 R-15 B/W (Base)
430	QJW	P205/75 R-15 W/W
	QKU	P215/75 R-15 W/W
434	QHK	P225/70 R-15 W/W (Reqs F41 Susp)
434	P42	Puncture Sealant Tires (Reqs QJW Tires)
434	A90	TRUNK OPENER, POWER
430	ZX5	VALUE APPEARANCE GROUP: (Incls P01 Wheel Covers, B84 and B96 Mldgs)
		WHEEL TRIM:
	P01	Wheel Covers, Full (Incl w/ZX5 Value App Group)
	PB2	Wheel Covers, Sport (N/A ZX5 Value App Group)
	PA1	Wheel Covers, Custom (N/A ZX5 Value App Group)
433	A31	WINDOWS: Power
433	CD4	WINDSHIELD WIPER SYSTEM: Intermittent

CAPRICE WAGONS

COLOR AND TRIM SELECTION (Refer Page 10 for Additional Information)

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts 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.

Interior Trim Color		Blue	Camel	Claret	Green
MODEL	SEAT TYPE				
1BN35	Cloth Bench	CDD1	CCC1		CGG1
	Cloth 50/50	CDD3	CCC3		
	Vinyl Bench	VDD1	VCC1	VRR1	VGG1
	Vinyl 50/50	VDD3	VCC3	VRR3	

WITH D84 CUSTOM TWO-TONE PAINT (ACCENT COLOR MUST BE SPECIFIED) (D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L U	Accent Color and Ordering Code#	Blue	Camel	Claret	Green
Black	19 19	Gray 85M			R	
Black	19 19	Med Gray (Met) 16M			R	
Black	19 19	Silver (Met) 15M			R	
Blue, Dark (Met)	29 29	Lt Blue (Met) 21M	R			
Blue, Light (Met)	21 21	Med Blue (Met) 22M	R			
Camel, Light (Met)	63 63	Beige 59M		R		
Camel, Light (Met)	63 63	Med Camel (Met) 69M		R		
Claret, Dark (Met)	76 76	Claret (Met) 75M		R	R	
Claret, Dark (Met)	76 76	Gray 85M			R	
Gray	85 85	Med Gray (Met) 16M			R	

*Must be Ordered

WITH CONVENTIONAL TWO-TONE PAINT

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Blue, Light (Met)/White	21 11		R			
Camel, Lt.(Met)/Beige	63 59			R		
Camel, Med (Met)/Beige	69 59			R		
Cinnabar/Beige	77 59			R		
Claret, Dark (Met)/Beige	76 59			R	R	
Gray/White	85 11		R	A	R	
Green, Dark (Met)/Beige	44 59			R		R
Yellow/White	50 11			R		

WITHOUT CONVENTIONAL TWO-TONE OR D84 CUSTOM TWO-TONE

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

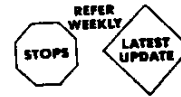
Beige	59 59		R	R	R	A
Black	19 19		R	R	R	R
Blue, Dark (Met)	29 29		R	R		
Blue, Light (Met)	21 21		R			
Camel, Light (Met)	63 63			R		
Camel, Medium (Met)	69 59			R		
Cinnabar	77 77			R		
Claret (Met)	75 75				R	
Claret, Dark (Met)	76 76			R	R	
Gray	85 85		R	A	R	
Green, Dark (Met)	44 44			R		R
Silver	15 15		R		R	
White	11 11		R	R	R	R
Yellow	50 50			R		

L Lower U Upper

POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO		
	2.56	2.73	3.08
WITH NA5 STANDARD EMISSIONS			
L39	Std	—	—
LG4	Std	—	G92
LF9	—	Std	—
WITH YF5 CALIFORNIA EMISSIONS			
LG4	Std	—	G92

CAPRICE WAGONS



MODEL
1BN35 Caprice Classic
2-Seat Station Wagon

MODEL
1BN35/AQ4 Caprice Classic
3-Seat Station Wagon
AQ4 3-Seat Station Wagon

ENGINES: MUST ORDER ONE

AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT
 _____ L39 4.4 Liter 2 BBL V8
 _____ LG4 5.0 Liter 4 BBL V8
 ✓ _____ LF9 5.7 Liter Diesel V8 With Water-in-Fuel Indicator (Reqs K05 Eng Block Heater)

AVAILABLE WITH YF5 CALIFORNIA EMISSION REQUIREMENT
 _____ LG4 5.0 Liter 4 BBL V8

QUICK-SPEC

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

		4	4	4	4	4
Air Conditioning	C60	x	x	x	x	x
Carrier, Roof	V55	x	x	x	x	x
Glass, Tinted	A01	x	x	x	x	x
Mirror, LH Remote	D33	x	x	x	N/I	N/I
Radio, AM	U63	x	N/I	N/I	N/I	N/I
Speed Control	K30	x	x	x	x	x
Tailgate Lock, Power	B1Q	x	x	x	x	x
Tires, P225/75 Whitewall	QLZ	x	x	x	x	x
Door Lock System, Power	AU3	x	x	x	x	x
Guards, Bumper	V30	x	x	x	x	x
Mats, Color-Keyed Floor, Front only	B32	x	x	x	x	x
Mats, Color-Keyed Floor, Rear only	B33	x	x	x	x	x
Moldings, Body Side	B84	x	x	x	x	x
Moldings, Door Edge Guard (w/o BX3 Estate)	B93	x	x	x	x	x
Radio, AM/FM	U69	x	N/I	N/I	N/I	N/I
Speaker, Rear Seat	U80	x	N/I	N/I	N/I	N/I
Steering Wheel, Comfortilt	N33	x	x	x	x	x
Windows, Power	A31	x	x	x	x	x
Bumper Rub Strips	VE5	x	x	x	x	x
Clock, Digital	UE8	x	x	x	x	x
Carpeting, Load Floor	B39	x	x	N/I	N/I	N/I
Defogger, Rear Window Electric	C49	x	x	x	x	x
Estate Equipment	BX3	x	x	x	x	x
Lighting, Auxiliary	TR9	x	x	x	x	x
Radio, AM/FM Stereo	U58	x	N/I	N/I	N/I	N/I
W/S Wiper System, Intermittent	CD4	x	x	x	x	x
Carpeting, Deluxe Cargo Area	BC5	x	x	x	x	x
Container, Litter	D24	x	x	x	x	x
Gage Package (w/o LF9 Eng)	UF7	x	x	x	x	x
Mirrors, LH and RH Remote	DF3	x	x	N/I	N/I	N/I
Power Antenna	U75	x	x	x	x	x
Radio, AM/FM Stereo w/8-Track Stereo Tape	UM2	x	N/I	N/I	N/I	N/I
Seat, Power	AG9	x	x	x	x	x
Wheel Covers, Sport	PB2	x	x	N/I	N/I	N/I
Hi-Intensity, Hi-Beam Headlamps	TT5	x	x	x	x	x
Lamps, Cornering	T87	x	x	x	x	x
Mirror, Illuminated RH Visor	D64	x	x	x	x	x
Mirror, Twin Remote Sport	D68	x	x	x	x	x
Puncture Sealant Tires	P42	x	x	x	x	x
Radio, AM/FM Stereo w/Stereo Cassette Tape	UN3	x	x	x	x	x
Wheel Covers, Wire	N95	x	x	x	x	x

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	DESCRIPTION
415	C60	AIR CONDITIONING
_____	C61	AIR CONDITIONING, COMFORTRON AXLES, REAR:
_____	G92	Performance Ratio (Reqs LG4 Eng)
_____	G80	Limited Slip Differential
_____	UA1	BATTERY, HEAVY-DUTY
417	VE5	BUMPER EQUIPMENT: Front and Rear
416	V30	Bumper Rub Strips
_____	_____	Bumper Guards

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	DESCRIPTION
415	V55	CARRIER, ROOF
417	UE8	CLOCK: Digital (N/A UY8 Radio)
418	D24	CONTAINER, LITTER: (N/A YF5 Calif)
_____	V08	COOLING, HEAVY-DUTY
417	C49	DEFOGGER, REAR WINDOW: Electric
416	AU3	DOOR LOCK SYSTEM, POWER
_____	_____	EMISSION SYSTEM: (Must Order Only One) (See Power Teams Chart)
_____	YF5	California Emission Requirements
_____	NA5	Standard Emission Equipment
417	BX3	ESTATE EQUIPMENT: (N/A w/D84 Two-Tone Paint or B93 Door Edge Guard)
_____	_____	FLOOR COVERING:
417	B39	Carpeting, Deluxe Load Floor
418	BC5	Carpeting, Deluxe Cargo Area (Incls B39 Carpeting)
416	B32	Mats, Color-Keyed Floor, Front Only
416	B33	Mats, Color-Keyed Floor, Rear Only
418	UF7	GAGE PACKAGE: (N/A LF9 Eng)
_____	K73	GENERATOR: 70-Amp Delcotron (N/A C49 Defogger with C60 or C61 Air)
415	A01	GLASS, TINTED: All Windows
_____	K05	HEATER, ENGINE BLOCK: (Reqs LF9 Eng)
419	TT5	HI-INTENSITY, HI-BEAM HEADLAMPS
418	T87	LAMPS, CORNERING
417	TR9	LIGHTING, AUXILIARY
_____	_____	MIRRORS:
415	D33	Outside Rearview, LH Remote Control
418	DF3	Outside Rearview, LH and RH Remote Control
_____	D35	Sport, LH Remote and RH Manual
419	D68	Sport, Twin Remote
_____	D34	RH Visor
419	D64	RH Visor, Illuminated
_____	_____	MOLDINGS:
416	B84	Body Side (Color-Keyed Except w/BX3 Estate which is Wood-Grained)
416	B93	Door Edge Guards (N/A BX3 Estate)
_____	D84	PAINT, CUSTOM TWO-TONE: (N/A BX3 Estate) (Refer Page 6 for Exterior Paint Availability and Page 10 for Add'l Information)
_____	B3W	PRELIMINARY PRICE INFORMATION
_____	_____	RADIO EQUIPMENT:
415	U63	AM Radio
416	U69	AM/FM Radio
417	U58	AM/FM Stereo Radio
418	UM2	AM/FM Stereo Radio w/8-Track Stereo Tape
419	UN3	AM/FM Stereo Radio w/Stereo Cassette Tape
_____	UP5	AM/FM/Citizens Band Radio w/Power Antenna (Reqs U80 or U92 Speakers) (N/A U75 Antenna)
_____	UP6	AM/FM Stereo/Citizens Band Radio w/Power Antenna (N/A U75 Antenna)
_____	UY8	AM/FM Stereo Radio w/Digital Clock Display (N/A UE8 Clock)
416	U80	Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
_____	U92	Speakers, Dual Front and Dual Rear (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM2, UN3, UP6 or UY8 Radio)
_____	U76	Windshield Antenna (N/A UP5 or UP6 Radio) (Incl w/Above Radio Equip w/o U75 Antenna)
✓ 418	U75	Power Antenna (Reqs U63, U69, U58, UM2, UN3 or UY8 Radio) (N/A U76 Antenna)
418	AG9	SEAT POWER: Six-Way (w/50/50 Seat, Driver's Side Only)
415	K30	SPEED CONTROL: Automatic
418	N33	STEERING WHEEL: Comfortilt
_____	D85	STRIPING, PIN: Body Side (N/A BX3 Estate or D84 Paint) (Refer Page 10 for Stripe Color Application)
_____	_____	SUSPENSION EQUIPMENT:
_____	G66	Shock Absorbers, Inflatable Rear
_____	F40	Suspension, Heavy-Duty Front and Rear
415	B1Q	TAILGATE LOCK, POWER
_____	_____	TIRES AND EQUIPMENT: (B/W: Blackwall, W/W: Whitewall)
_____	QLX	Steel Belted Radial Ply
415	QLZ	P225/75 R-15 B/W (Base)
419	P42	P225/75 R-15 W/W
_____	_____	Puncture Sealant Tires (Reqs QLZ Tires)
_____	_____	WHEEL TRIM:
418	PB2	Wheel Covers, Sport
419	N95	Wheel Covers, Wire
_____	PA1	Wheel Covers, Custom
416	A31	WINDOWS: Power
417	CD4	WINDSHIELD WIPER SYSTEM: Intermittent

IMPALA WAGONS

COLOR AND TRIM SELECTION (Refer Page 10 for Additional Information)

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts 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.

Interior Trim Color		Blue	Camel	Claret	Oyster
MODEL	SEAT TYPE				
1BL35	Cloth Bench		CCC1	CRR1	
	Vinyl Bench	VDD1	VCC1	VRR1	VWW1

WITH D84 CUSTOM TWO-TONE PAINT (ACCENT COLOR MUST BE SPECIFIED)

(D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L U	Accent Color and Ordering Code#	Blue	Camel	Claret	Oyster
Black	19 19	Gray 85M			R	R
Black	19 19	Med Gray (Met) 16M			R	R
Black	19 19	Silver (Met) 15M			R	R
Blue, Dark (Met)	29 29	Lt Blue (Met) 21M	R			A
Blue, Light (Met)	21 21	Med Blue (Met) 22M	R			A
Camel, Light (Met)	63 63	Beige 59M		R		
Camel, Light (Met)	63 63	Med Camel (Met) 69M		R		
Claret, Dark (Met)	76 76	Claret (Met) 75M		R	R	R
Claret, Dark (Met)	76 76	Gray 85M			R	R
Gray	85 85	Med Gray (Met) 16M			R	R

*Must be Ordered

WITH CONVENTIONAL TWO-TONE PAINT

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Blue, Light (Met)/White	21 11		R			A
Camel, Lt (Met)/Beige	63 59			R		
Camel, Med (Met)/Beige	69 59			R		A
Cinnabar/Beige	77 59			R		R
Claret, Dark (Met)/Beige	76 59			R	R	R
Gray/White	85 11		R	A	R	R
Green, Dark (Met)/Beige	44 59			R		A
Yellow/White	50 11			R		A

WITHOUT CONVENTIONAL TWO-TONE OR D84 CUSTOM TWO-TONE

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

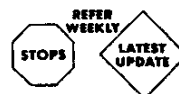
Beige	59 59		R	R	R	
Black	19 19		R	R	R	R
Blue, Dark (Met)	29 29		R	R		A
Blue, Light (Met)	21 21		R			A
Camel, Light (Met)	63 63			R		
Camel, Medium (Met)	69 69			R		A
Cinnabar	77 77			R		R
Claret (Met)	75 75				R	A
Claret, Dark (Met)	76 76			R	R	R
Gray	85 85		R	A	R	R
Green, Dark (Met)	44 44			R		A
Silver	15 15		R		R	R
White	11 11		R	R	R	R
Yellow	50 50			R		A

L Lower U Upper

POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO		
	2.56	2.73	3.08
WITH NA5 STANDARD EMISSIONS			
LF9	—	Std.	—
L39	Std	—	—
LG4	Std	—	G92
WITH YF5 CALIFORNIA EMISSIONS			
LG4	Std	—	G92

IMPALA WAGONS



MODEL
 1BL35 Impala 2-Seat Station Wagon
 1BL35/AQ4 Impala 3-Seat Station Wagon
 AQ4 3-Seat Station Wagon

ENGINES: MUST ORDER ONE

AVAILABLE WITH NA5 STANDARD EMISSION EQUIPMENT

- _____ LG3 4.4 Liter 2 BBL V8
- _____ LG4 5.0 Liter 4 BBL V8
- ✓ _____ LF9 5.7 Liter Diesel V8 With Water-In-Fuel Indicator
 (Reqs BS1 Quiet Sound Group and K05 Eng Block Heater)

AVAILABLE WITH YF5 CALIFORNIA EMISSION REQUIREMENTS
 _____ LG4 5.0 Liter 4 BBL V8

QUICK-SPEC

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

		4	4	4	4	4
		4	4	4	4	4
		5	6	7	8	9
		A	A	B	A	B
Air Conditioning	C60	x	x	x	x	x
Carrier, Roof	V55	x	x	x	x	x
Glass, Tinted	A01	x	x	x	x	x
Mats, Color-Keyed Floor, Front only	B32	x	x	x	x	x
Mats, Color-Keyed Floor, Rear only	B33	x	x	x	x	x
Mirror, LH Remote	D33	x	x	N/I	N/I	N/I
Radio, AM	U63	x	x	N/I	N/I	N/I
Tires P225/75 Whitewall	QLZ	x	x	x	x	x
Value Appearance Group	ZX5	x	x	x	x	x
Defogger, Rear Window Electric	C49	x	x	x	x	x
Guards, Bumper	V30	x	x	x	x	x
Moldings, Door Edge Guard	B93	x	x	x	x	x
Speed Control	K30	x	x	x	x	x
Steering Wheel, Comfortilt	N33	x	x	x	x	x
Tailgate Lock, Power	B1Q	x	x	x	x	x
Bumper Rub Strips	VE5		x	x	x	
Carpeting, Load Floor	B39		x	x	x	
Clock, Electric	U35		x	x	N/I	
Door Lock System, Power	AU3		x	x	x	
Lighting, Auxiliary	TR9		x	x	x	
Mirrors, Sport LH Remote and RH Manual	D35		x	N/I	N/I	
Quiet Sound Group	BS1		x	x	x	
Radio, AM/FM	U69		x	N/I	N/I	
Speaker, Rear Seat	U80		x	N/I	N/I	
Horns, Dual	U05			x	x	
Mirrors, LH and RH Remote	DF3			x	x	
Radio, AM/FM Stereo	U58			x	x	
Windows, Power	A31			x	x	
W/S Wiper System, Intermittent	CD4			x	x	
Clock, Digital	UE8				x	
Container, Litter	D24				x	
Gage Package (w/o LF9 Eng)	UF7				x	
Hi-Intensity, Hi-Beam Headlamps	TT5				x	
Puncture Sealant Tires	P42				x	
Mirror, RH Visor	D34				x	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING
 Q-S OPTION

445	C60	AIR CONDITIONING
	C61	AIR CONDITIONING, COMFORTRON
	G92	AXLES, REAR:
	G80	—Performance Ratio (Reqs LG4 Eng)
	UA1	—Limited Slip Differential
447	VE5	BATTERY, HEAVY-DUTY
446	V30	BUMPER EQUIPMENT: Front and Rear
445	V55	—Bumper Rub Strips
		Bumper Guards
449	UE8	CARRIER, ROOF
447	U35	CLOCKS: (N/A UY8 Radio)
449	D24	—Digital
	V08	—Electric
446	C49	CONTAINER, LITTER: (N/A YF5 Calif)
447	AU3	COOLING, HEAVY-DUTY
		DEFOGGER, REAR WINDOW: Electric
		DOOR LOCK SYSTEM, POWER

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING
 Q-S OPTION

	YF5	EMISSION SYSTEMS: (Must Order Only One) (See Power Teams Chart)
	NA5	—California Emission Requirements
		—Standard Emission Equipment
		FLOOR COVERING:
447	B39	—Carpeting, Deluxe Load Floor
	BC5	—Carpeting, Deluxe Cargo Area (Incls B39 Carpeting)
445	B32	—Mats, Color-Keyed Floor, Front Only
445	B33	—Mats, Color-Keyed Floor, Rear Only
449	UF7	GAGE PACKAGE: (N/A LF9 Eng)
	K73	GENERATOR: 70-Amp Delcotron (N/A C49 Defogger w/C60 or C61 Air)
445	A01	GLASS, TINTED: All Windows
	K05	HEATER, ENGINE BLOCK: (Reqs LF9 Eng)
449	TT5	HI-INTENSITY, HI-BEAM HEADLAMPS
448	U05	HORNS, DUAL
	T87	LAMPS, CORNERING
447	TR9	LIGHTING, AUXILIARY
		MIRRORS:
445	D33	—Outside Rearview, LH Remote Control
448	DF3	—Outside Rearview, LH and RH Remote Control
447	D35	—Sport, LH Remote and RH Manual
	D68	—Sport, Twin Remote
449	D34	—RH Visor
	D64	—RH Visor, Illuminated
		MOLDINGS:
	B84	—Body Side (Incl w/ZX5 Value App Group)
	B93	—Door Edge Guards
446	B96	—Wheel Opening (Incl w/ZX5 Value App Group)
	D84	PAINT, CUSTOM TWO-TONE: (Refer Page 8 for Exterior Paint Availability and Page 10 for Add'l Information)
	B3W	PRELIMINARY PRICE INFORMATION
447	BS1	QUIET SOUND GROUP: (Req'd w/LF9 Eng)
		RADIO EQUIPMENT:
445	U63	—AM Radio
447	U69	—AM/FM Radio
448	U58	—AM/FM Stereo Radio
	UM2	—AM/FM Stereo Radio w/8-Track Stereo Tape
	UN3	—AM/FM Stereo Radio w/Stereo Cassette Tape
	UP5	—AM/FM/Citizens Band Radio w/Power Antenna (Reqs U80 or U92 Speakers) (N/A U75 Antenna)
	UP6	—AM/FM Stereo/Citizens Band Radio w/Power Antenna (N/A U75 Antenna)
	UY8	—AM/FM Stereo Radio w/Digital Clock Display (N/A U35 or UE8 Clock)
447	U80	—Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
	✓ U92	—Speakers, Dual Front and Dual Rear (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM2, UN3, UP6 or UY8 Radio)
	U76	—Windshield Antenna (N/A UP5 or UP6 Radio) (Incl w/Above Radio Equip w/o U75 Antenna)
	✓ U75	—Power Antenna (Reqs U63, U69, U58, UM2, UN3 or UY8 Radio) (N/A U76 Antenna)
	AG9	SEAT, POWER: Six-Way
446	K30	SPEED CONTROL: Automatic
446	N33	STEERING WHEEL: Comfortilt
	D85	STRIPING, PIN: Body Side (N/A D84 Paint) (Refer Page 10 for Stripe Color Application)
	G66	SUSPENSION EQUIPMENT:
	F40	—Shock Absorbers, Inflatable Rear
448	B1Q	—Suspension, Heavy-Duty Front and Rear
		TAILGATE LOCK, POWER
		TIRES AND EQUIPMENT: (B/W: Blackwall, W/W: Whitewall)
	QLX	Steel Belted Radial Ply
445	QLZ	—P225/75 R-15 B/W (Base)
449	P42	—P225/75 R-15 W/W
445	ZX5	—Puncture Sealant Tires (Reqs QLZ Tires)
		VALUE APPEARANCE GROUP: (Incls P01 Wheel Covers, B84 and B96 Mldgs)
		WHEEL TRIM:
	P01	—Wheel Covers, Full (Incl w/ZX5 Value App Group)
	PB2	—Wheel Covers, Sport (N/A ZX5 Value App Group)
	PA1	—Wheel Covers, Custom (N/A ZX5 Value App Group)
448	A31	WINDOWS: Power
448	CD4	WINDSHIELD WIPER SYSTEM: Intermittent

REGULAR CHEVROLET

WITHOUT D84 CUSTOM TWO-TONE PAINT

STRIPE COLOR ONLY WHEN D85 STRIPE IS ORDERED.
MOLDING COLOR ONLY WHEN B84 MOLDING IS ORDERED
VINYL ROOF — ONLY WHEN APPROPRIATE ORDERING CODE IS INDICATED

EXTERIOR PAINT COLOR	INTERIOR TRIM COLOR					
	BLACK	BLUE	CAMEL	CLARET	GREEN	OYSTER
BEIGE 59 Stripe Molding Vinyl Roof	R BROWN LT CAMEL(MET) BLACK	R BROWN LT CAMEL(MET) N/A	R BROWN LT CAMEL(MET) CAMEL	R CLARET LT CAMEL(MET) CLARET	A BROWN LT CAMEL(MET) N/A	GOLD LT CAMEL(MET) N/A
BLACK 19 Stripe Molding Vinyl Roof	R GOLD BLACK BLACK	R BLUE BLACK BLACK	R GOLD BLACK BLACK/CAMEL	R RED BLACK BLACK/CLARET	R GOLD BLACK BLACK	R SILVER BLACK BLACK/GRAY
BLUE, DARK(MET) 29 Stripe Molding Vinyl Roof	A SILVER BLACK BLACK	R #BLUE #BLACK BLUE/WHITE	R GOLD BLACK CAMEL	CLARET BLACK N/A	SILVER BLACK N/A	A SILVER BLACK GRAY
BLUE, LIGHT(MET) 21 Stripe Molding Vinyl Roof	A SILVER LT BLUE(MET) BLACK/BLUE	R #SILVER #LT BLUE(MET) BLUE/WHITE	SILVER LT BLUE(MET) BLUE	SILVER LT BLUE(MET) BLUE	SILVER LT BLUE(MET) BLUE	A SILVER LT BLUE(MET) BLUE
CAMEL, LIGHT(MET) 63 Stripe Molding Vinyl Roof	A BROWN LT CAMEL(MET) CAMEL	BLACK LT CAMEL(MET) CAMEL	R #BROWN #LT CAMEL(MET) CAMEL/WHITE	CLARET LT CAMEL(MET) CAMEL	BLACK LT CAMEL(MET) CAMEL	BROWN LT CAMEL(MET) CAMEL
CAMEL, MED(MET) 69 Stripe Molding Vinyl Roof	R GOLD LT CAMEL(MET) BLACK	GOLD LT CAMEL(MET) N/A	R BROWN LT CAMEL(MET) CAMEL	GOLD LT CAMEL(MET) N/A	GOLD LT CAMEL(MET) N/A	A GOLD LT CAMEL(MET) N/A
CINNABAR 77 Stripe Molding Vinyl Roof	R BLACK BLACK BLACK	BLACK BLACK N/A	R GOLD GRAY N/A	BLACK BLACK N/A	BLACK BLACK N/A	R WHITE GRAY GRAY
CLARET(MET) 75 Stripe Molding Vinyl Roof	A GOLD DK CLARET(MET) BLACK	SILVER DK CLARET(MET) N/A	GOLD DK CLARET(MET) N/A	R #GOLD #DK CLARET(MET) CLARET/WHITE	GOLD DK CLARET(MET) N/A	A SILVER DK CLARET(MET) GRAY
CLARET, DARK(MET) 76 Stripe Molding Vinyl Roof	A GOLD DK CLARET(MET) CLARET	SILVER DK CLARET(MET) CLARET	R GOLD DK CLARET(MET) CLARET/CAMEL	R #GOLD #DK CLARET(MET) CLARET/WHITE	GOLD DK CLARET(MET) CLARET	R SILVER DK CLARET(MET) GRAY/CLARET
GRAY 85 Stripe Molding Vinyl Roof	R BLACK GRAY GRAY	R BLUE GRAY GRAY	A BROWN GRAY GRAY	R CLARET GRAY GRAY/CLARET	BLACK GRAY GRAY	R WHITE GRAY GRAY
GREEN, DARK(MET) 44 Stripe Molding Vinyl Roof	A GOLD GREEN GREEN	SILVER GREEN GREEN	R GOLD GREEN CAMEL/GREEN	SILVER GREEN GREEN	R #GOLD #GREEN GREEN/WHITE	A SILVER GREEN GREEN
SILVER 15 Stripe Molding Vinyl Roof	R BLACK GRAY BLACK	R BLUE GRAY N/A	BLACK GRAY N/A	R CLARET GRAY CLARET	BLACK GRAY N/A	R RED GRAY BLACK
WHITE 11 Stripe Molding Vinyl Roof	R BLACK WHITE WHITE/BLACK	R BLUE WHITE WHITE	R GOLD WHITE WHITE/CAMEL	R CLARET WHITE WHITE/CLARET	R GOLD WHITE WHITE	R RED WHITE WHITE
YELLOW 50 Stripe Molding Vinyl Roof	R BLACK BLACK BLACK	BLACK BLACK N/A	R BROWN GRAY N/A	BLACK BLACK N/A	BLACK BLACK N/A	A WHITE WHITE N/A

R = Recommended Combinations
A = Acceptable Combinations
* = White Vinyl Roof N/A Z03 Landau

SHADED AREA = Non-Recommended Combination
(Reqs. D60 Non-Recommended Color Combination Option)
= With White Roof Cover, Stripes and Moldings will be White

WITH D84 CUSTOM TWO-TONE PAINT (NO SUBSTITUTES ALLOWED)

STRIPE COLOR — INCLUDED
MOLDING COLOR — ONLY WHEN B84 MOLDING IS ORDERED
VINYL ROOF — ONLY WHEN APPROPRIATE ORDERING CODE IS INDICATED

Exterior Paint Color	Color Code		Accent Color and Ordering Code	Stripe (Included)	Molding B84
	L	U or Vinyl			
Black	19	19	BB Gray	85M	Gray
Black	19	19	BB Med Gray (Met)	16M	Gray
Black	19	19	BB Silver (Met)	15M	Gray
Blue, Dark (Met)	29	29	— Lt Blue (Met)	21M	Blue
Blue, Light (Met)	21	21	DD Med Blue (Met)	22M	Blue
Camel, Light (Met)	63	63	CC Beige	59M	Camel
Camel, Light (Met)	63	63	CC Med Camel (Met)	69M	Camel
Claret, Dark (Met)	76	76	RR Claret (Met)	75M	Claret
Claret, Dark (Met)	76	76	RR Gray	85M	Gray
Gray	85	85	QQ Med Gray (Met)	16M	Gray



·
·

·



- ORIGINAL



**Specifications
Form
Passenger Car**

1980

METRIC (U.S. Customary)

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

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

General specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.



·
·

·
·
·
·
·

·



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

Table of Contents

1	Car Models
2	Power Teams
3-7	Engine
7	Exhaust System
8	Fuel System
9	Cooling System
10, 11	Vehicle Emission Control
12-14	Electrical
15-17	Drive Units
18	Tires and Wheels
18, 19	Brakes
20	Steering
21	Suspension — Front and Rear
22	Body — Miscellaneous Information
22	Frame
23	Convenience Equipment
24	Vehicle Mass (Weight)
25	Optional Equipment Mass (Weight)
26-30	Car and Body Dimensions — including Fiducial Marks, Glass, Lamps and Headlamp Shape
31-35	Car and Body Dimension Key Sheets
36	Index

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.S. 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 the manufacturer.
- 4 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.



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

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

Car Models

Model Description Include Line Drawings of Vehicles, if Desired	Make, Car Line, Series, Body Type Mfr's Model Code	No. of Designated Seating Positions		Max. Trunk/Cargo Load Kilograms (Pounds)
		Front	Rear	
		<u>Model Number</u>	<u>Front</u>	<u>Rear</u>
<u>Impala</u>				
4-Door Sedan		1BL69	3	3
2-Door Coupe		1BL47	3	3
4-Door Station Wagon, 2-Seat		1BL35	3	3
<u>Caprice Classic</u>				
4-Door Sedan		1BN69	3	3
2-Door Coupe		1BN47	3	3
4-Door Station Wagon, 2-Seat		1BN35	3	3

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



·
·

·

·

·

·



MVMA Specifications Form
Passenger Car

Car Line Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) 2/80

METRIC (U.S. Customary)

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	Displ. liters (in ³)	ENGINE					TRANSMISSION	AXLE RATIO (:1)	
		Carb.	Compr. Ratio	SAE Net at RPM		Exhaust System*		(Std. first) (Indicate A/C ratio)	
				kW (bhp)	Torque N-m (lb. ft.)			A	B
Base-All States Exc. Calif. Sed & Cpe	3.8						3-Spd Auto '200c' 3-Spd Auto '350c' (a) 3-Spd Auto '250c' (S)	2.73:1	-
Avail-All States Exc. Calif. 1BL47 w/RPO Z5A "SE"	(229) <i>LC3</i>	2-bb1	8.6:1	86 (115) @ 4000	237 (175) @ 2000		3-Spd Auto '350'	2.41:1	-
Base-Cal. only Sed & Cpe	3.8 (231) LD5	2-bb1	8.0:1	82 (110) @ 3800	258 (190) @ 1600	S	3-Spd. Auto '350'	2.73	-
Avail-All States Exc. Calif. - Sed & Cpe	4.4 (267)	2-bb1	8.3:1	89 (120) @ 3600	291 (215) @ 2000	S	3-Spd. Auto '250c' 3-Spd. Auto '200c' @	2.41	
Base-Sta. Wgn	L39						3-Spd. Auto '350c' Base 3-Spd. Auto '250c' Base *	2.56*	
Avail-All States Exc. Calif. Sed & Cpe							3-Spd. Auto '250c' Base 3-Spd. Auto '350c' Base	2.41	-
Sta. Wgn	5.0 (305) L39 <i>LG4</i>	4-bb1	8.6:1	116 (155) @ 4000	325 (240) @ 1600	S	3-Spd. Auto '250c' Base 3-Spd. Auto '350c' Base @	2.56*	-
Avail-Cal. only Sed & Cpe					312 (230) @ 2400		3-Spd. Auto '350'	2.41	3.08*
Base-Sta. Wgn.							3-Spd. Auto '350'	2.56*	3.08*
Avail - All States Sta. Wgn.	5.7 (350) LF9	FI (Die- sel)	22.5:1	78 (105) @ 3200	278 (205) @ 1600	S	3-Spd Auto '350c'	2.73*	-

*S—Single D—Dual



·
·

·
·
·
·



MVMA Specifications Form
Passenger Car

Car Line Chevrolet
Model Year 1980 Issued 10/79 Revised (*) 2/80

METRIC (U.S. Customary)

- 3 - Manufacturing option.
- 4 - 222 (8.75) ring gear.
- 4+ - 'Base' and 'Available' refer to engine availability.
- 4 - Base - all states.
- 5 - Optional - all states.
- ** - 216 mm (8-1/2") Ring Gear
- 6 - Manufacturing option except on 1BL69 model.
- (a) - Base with air conditioning only.



1
2

3

4
5



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

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

Engine Description/Carb.

3.8 Liter V-6/2-bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-bb1 (267 CID) RPO L39	5.0 Liter V-8/4-bb1 (305 CID) RPO LG4
--	--	--

Engine — General

*Total dressed engine mass (wt) dry	189 kg (416.6 lb)	245.9 kg (542.1 lb)	243.9 kg (537.7 lb)
Type (Inline, V and Angle, Flat)	90°V		
Location (Front, Mid, Rear)			
No. of cylinders	6	8	
Bore	95 (3.736)	88.9 (3.50)	95 (3.736)
Stroke	88.4 (3.48)		
Piston Displacement cm ³ (In ³)	3753 (229)	4375 (267)	4998 (305)
Bore Spacing (C/L to C/L)	111.8 (4.40)		
Cyl. No. system	L Bank	1-3-5	1-3-5-7
(front to rear)**	R. Bank	2-4-6	2-4-6-8
Firing Order	1-6-5-4-3-2		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	Unleaded		
Leaded, unleaded			
Fuel antiknock index (R + M)	87		
2			
Cylinder Head Volume — cm ³	58.9	51.8	58.9
Head Gasket Thickness (Compressed)	.021		
Head Gasket Volume — cm ³	3.98	3.61	3.98
Deck clearance (minimum) (above or below block)	.025 below		
Minimum Combustion Chamber Volume — cm ³	56.7	49.6	56.7

Engine — Pistons

Material	Cast Aluminum Alloy		
Description and finish	Closed Skirt, Sump Head		
Mass. g (weight, oz.) — Piston Only	508 (17.92)	444 (15.66)	508 (17.92)
Clearance (limits)	Top land	.622-.851 (.0245-.0335)	
	Skirt	Top	.018-.107 (.0007-.0042)
		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 (M.S. Customary)

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

Engine Identification/Code:

3.8 Liter V-6/2-bb1
 (231 CID) RPO LD5

5.7 Liter V-8/Diesel F.I.
 (350 CID) RPO LF9

Engine — General

*Total dressed engine mass (wt) dry		
Type (Inline, V and Angle, Flat)	90°V	
Location (Front, Mid, Rear)		
No. of cylinders	6	8
Bore	95.6 (3.80)	103.85 (4.057)
Stroke	86.4 (3.40)	85.98 (3.385)
Piston Displacement cm ³ (in ³)	3785 (231)	5735 (350)
Bore Spacing (C/L to C/L)	107.7 (4.24)	117.5 (4.625)
Cyl. No. system	L Bank	
(front to rear)**	R Bank	
Firing Order	1-3-5 2-4-6	1-3-5-7 2-4-6-8
Cylinder Head Material	Cast Alloy Iron	
Cylinder Block Material	Cast Alloy Iron	
Cylinder block deck height	242.8 (9.56)	
Number of mtg. points	Front	Two
	Rear	One
Engine installation position (transverse, longitudinal)	Longitudinal	
Recommended fuel:	Unleaded	Diesel #2 Summer, #1 Winter
Lead, unleaded		
Anti-knock index (R + M)	87	
	2	
Cylinder Head Volume — cm ³	48.19	
Head Gasket Thickness (Compressed)	.533	
Head Gasket Volume — cm ³	3.93	
Deck clearance (minimum) (above or below block)	1.91 below	
Minimum Combustion Chamber volume — cm ³	87.65	

Engine — Pistons

Material:	Cast Aluminum Alloy	
Description and finish	Full Skirt with Transverse Slot, Dished Head	Autothermic, Cam Grind Tin Plate, Steel Strut
Mass, g (weight, oz.) — Piston Only		
Clearance (limits)	Top land	1.17-1.42 (.046-.056)
	Skirt Top	.020-.051 (.0008-.0020)
	Bottom	.030-.090 (.0013-.0035)
Ring groove diameter	No. 1 ring	86.36-85.98 (3.400-3.385)
	No. 2 ring	86.36-85.98 (3.400-3.385)
	No. 3 ring	86.26-85.93 (3.396-3.383)
		.864-1.092 (.034-.043)
		.127-.152 (.005-.006)
		91.36-91.62 (3.597-3.607)
		91.36-91.62 (3.597-3.607)
		91.87-92.13 (3.617-3.627)

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

Engine Description / Carb.

3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4-Bb1 (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	
Compres- sion	Description — Material, coating, etc.	Upper (a)	Cast alloy iron, radius face, .0004" chrome fl Lower (b)
	Width	1.96-1.98 (.0770-.0780)	
	Gap	Upper - 0.25-0.51 (.010-.020 (c))	
Oil	Description — material, coating, etc.	TRW 'T' flex design, 0.05 mm (.002") minimum chrome	
	Width	4.52 - 4.62 (.178-.182)	
	Gap	0.25 - 0.89 (.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	(d)	(e) (f)
	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	16.97 (.668)	20.24 (.797)
	Clearance (limits)	.025-.063 (.0010-.0025)	.033-.089 (.0013-.0035)
	End Play	.15-.38 (.006-.015)	.15-.41 (.006-.016)

- (a) Molybdenum filled channel, barrel faced
- (b) Inside bevel, reverse tapered face, phosphate coated.
- (c) Lower - 3.8 & 4.4 Liter - 0.25-0.64 (.010-.025); 5.0 Liter - 0.33-0.63 (.013-.025)
- (d) 0.0013-0.0075 (.00005-.00030)
- (e) 0.0013-0.0076 (.00005-.00030)
- (f) 0.0063-0.0089 (.00025-.00035)



SAE J1939 Specifications Form

Passenger Car

METRIC (U.S. Customary)

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

Engine Description/Carb.

3.8 Liter V-6/2-BB1 (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

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.	(1)	(2)	
	Width	4.27-4.52 (.168-.178)	1.96-1.98 (.0770-.0780)	
	Gap	0.33-0.58 (.013-.023)	0.38-0.63 (.015-.025)	
Oil	Description — material, coating, etc.	Stainless steel - 50	Spring steel, granoseal processed, chrome plated	
	Width	3.43-3.51 (.135-.142)	0.597-0.660 (.0235-.0260)	
	Gap	0.38-0.89 (.015-.035)	0.38-1.40 (.015-.055)	
Expanders	Abutment type		Spacer-spring steel 601-75	

Engine — Piston Pins

Material	SAE-1018		Steel SAE 1019 or 1016
Length	73.66 (2.90)		73.86 (2.906)
Diameter	23.853-23.860 (.9391-9394)		27.81-27.82 (1.0949-1.0953)
Type	Locked in rod, in piston, floating, etc.		Pressed in rod
	Bushing	In rod or piston	---
		Material	---
			Floating Yes
Clearance	In piston		.010-.018 (.0004-.0007)
	In rod		.019-.032 (.00075-.00125)
Direction & amount offset in piston		Major thrust side - .102 (.040)	None

Engine — Connecting Rods

Material	Cast Arma Steel		Steel SAE-1140
Mass. g (weight, oz.)			
Length (center to center)	151.4 (5.96)		149.44-149.54 (5.8835-5.8875)
Bearing	Material & Type		Premium aluminum
	Overall length		16.61 (.654)
	Clearance (limits)		.013-.066 (.0005-.0026)
	End Play		.15-.58 (.006-.023)

(1) Upper - Molybdenum filled channel, barrel faced
 Lower - Inside bevel, reverse tapered face, phosphate coated

(2) Upper - Cast iron with crowned molybdenum filled OD faced, granoseal processed.
 Lower - Cast iron with tapered face



1
2

3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



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

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

Engine Description / Carb.

3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4- (305 CID) RPO L
--	--	-------------------------------------

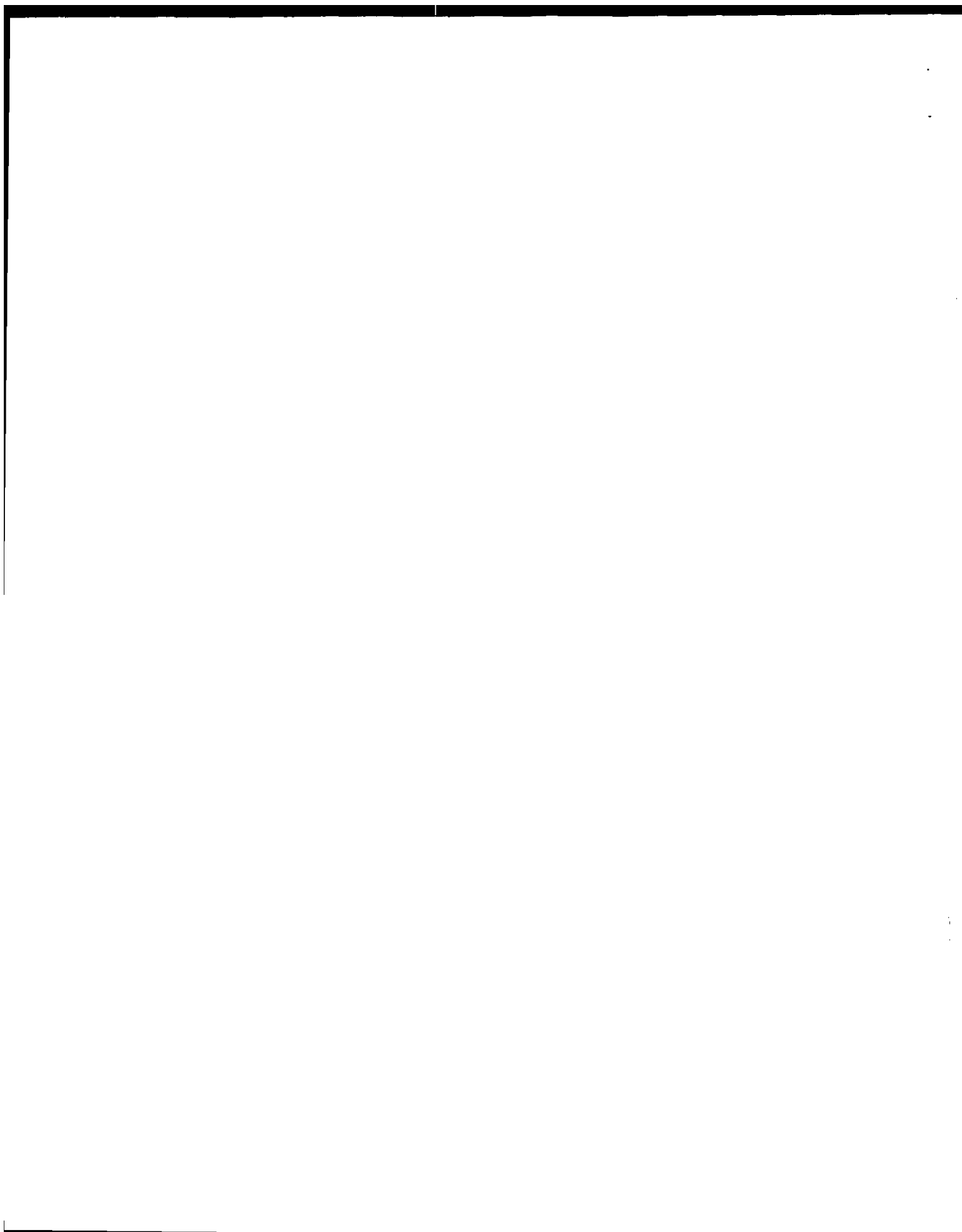
Engine — Crankshaft

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (No.)	4	5	
Crankshaft end play	.051-.152 (.002-.006)	.051-.178 (.002-.007)	
Main bearing	Material & type	#1-G66 Conecc; #2,3,4-M400	
	Clearance (b)	Front-.020-.051(.0008-.0020); Inter-.028-.058(.0011-.0023)	
	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	62.189 x 38.94
		No. 5	62.194 x 20.37 (2.4486 x .802)
		No. 6	62.189 x 38.94 (2.4484 x 1.533)
		No. 7	---
	Dir. & amt. cyl. offset	---	
No. bolts/main brg. cap	2		
Crankpin journal diameter	53.284-53.335 (2.0978-2.0998)	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	4	
Type of Drive	Gear, chain or belt	Chain	
	Crankshaft gear or sprocket material	Steel	
	Camshaft gear or sprocket material	Sintered iron	
	Timing chain	No. of links	46
		Chain or Belt	Aluminum-nylon
	Chain or Belt	Width	15.87 (.625)
		Pitch	12.7 (.500)

- (a) Rear - .043-.081 (.0017-.0032)
- (b) 3.8 Liter V-6: -
 - #1,2,3 - .051-.089 (.0020-.0035)
 - #4 - .013-.038 (.0005-.0015)



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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description/Carb.

3.8 Liter V-6/2-8b1 (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — Crankshaft

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (Nc.)	2	3	
Crankshaft end play	.08-.23(.003-.009)	.089-.343(.0035-.0135)	
Main bearing	Material & type	#1 Upper-M400 Conecc; #1 Lower-M100 Conecc; #2,3-M400; #4-M100	
	Clearance	.010-.040(.0004-.0017)	
	Journal dia. and bearing overall length	No. 1	63.487x21.95 (2.4995x.864)
		No. 2	63.487x26.85 (2.4995x1.057)
		No. 3	63.487x21.95 (2.4995x.864)
		No. 4	63.487x21.95 (2.4995x.864)
		No. 5	---
		No. 6	---
		No. 7	---
	Dir. & amt. cyl. offset	---	23.83(.938) left bank ahead of right
No. bolts/main brg. cap	---	2	
Crankpin journal diameter	57.12-57.14 (2.2487-2.2495)	53.945-53.970(2.1238-2.1248)	

Engine — Camshaft

Location	In block above crankshaft		
Material	Cast alloy iron	Cast iron Conkorall	
Bearings	Material	Steel backed babbitt	
	Number	4	
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	54
			48
	Chain or Belt	Width	22.23 (.875)
		Pitch	9.53 (.375)



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

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

Engine Description / Carb.

3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4-Bb1 (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)	42	28	
		Closes (*ABC)	78	64	
		Duration (deg.)	300	272	
	Exhaust	Opens (*BBC)	78	78	
		Closes (*ATC)	52	30	
		Duration (deg.)	310	288	
Valve open overlap (deg.)		94	58		
Intake Valve	Material		SAE-1541 or 1547 (a)	SAE 1541-H steel (a)	21-2N steel (c)
	Overall length		124.52-125.03 (4.9024-4.9224)		
	Actual overall head dia.		46.61-46.86 (b)	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)		9.47 (.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)		
		Valve open — N at mm (lb. at in.)	780-834.8 @ 31.7 (174-186 @ 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		
	Material		21-2N steel, chrome flash stem		
	Overall length		124.71-125.02 (4.910-4.930)		
	Actual overall head dia.		37.97-38.23 (1.495-1.505) (d)		
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)		10.4 (.410)	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.)	780-834.8 @ 31.7 (174-186 @ 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			

MVMA-C-80 (a) Chrome flash stem (b) (1.835-1.845) (c) Full chrome. (d) 35.1 (1.38) on RPO L39 engines
 Page 6



1
2

3

4

5

6



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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

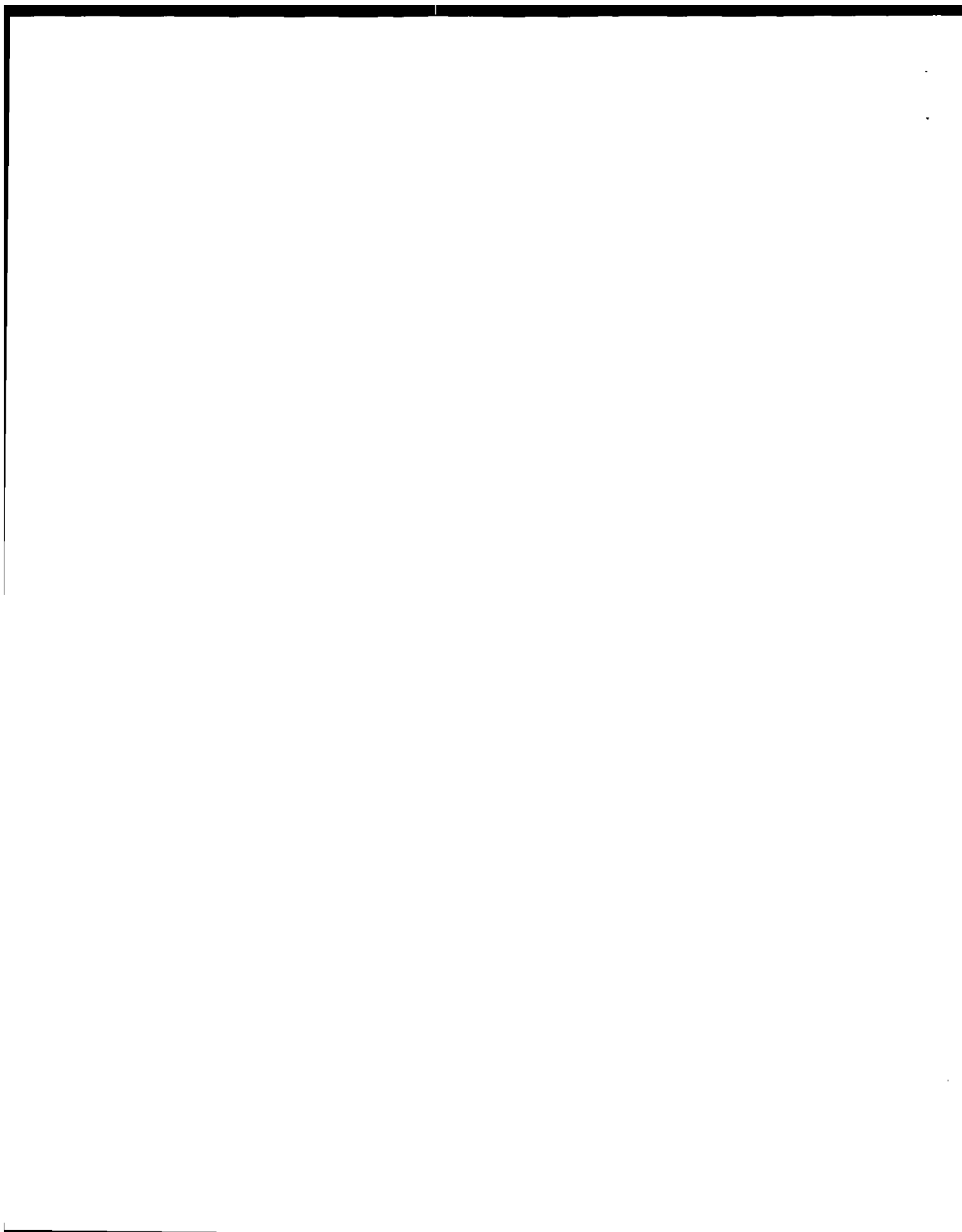
Engine Description/Carb.

3.8 Liter V-6/2-bbl (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — Valve System

Hydraulic lifters (Std., opt., N/A)		Standard			
Valve rotator, type (intake, exhaust)		None			
Push rods (dia., length, material)		7.94x220.9(.3125x 7.9) (a)	7.925x209.93(.312x8.265)		
Rocker ratio		1.55:1	1.60:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16	16	
		Closes (*ABC)	63	38	
		Duration (deg.)	259	234	
	Exhaust	Opens (*BBC)	68	64	
		Closes (*ATC)	29	17	
		Duration (deg.)	277	261	
Valve open overlap (deg.)		45	33		
Intake Valve	Material		1541 steel, chrome flash stem	21-2N steel, chrome flash stem	
	Overall length		119.33-120.09(4.698-4.728)	127.47(5.0185)	
	Actual overall head dia.		43.43(1.710)	47.498-47.752(1.87-1.88)	
	Angle of seat & face (deg.)		45	45.46	
	Seat insert material		None		
	Stem diameter		8.64-8.66(.3402-.3412)	8.700-8.717(.3425-.3432)	
	Stem to guide clearance		.038-.089(.0015-.0035)	.025-.069(.0010-.0027)	
	Lift (at zero lash)		9.07(.357)	9.53(.375)	
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	262.4-306.9 @ 43.86 (59-69 @ 1.727)	349-376 @ 42.42 (77-83 @ 1.670)	
		Valve open — N at mm (lb. at in.)	774-845.2 @ 34.04 (174-190 @ 1.34)	658-721 @ 32.89 (145-159 @ 1.295)	
	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, chrome flash stem	
		Overall length		119.46-120.22(4.703-4.733)	127.699(5.0275)
Actual overall head dia.		38.1(1.50)	41.07-41.32(1.617-1.627)		
Angle of seat & face (deg.)		45	59.60		
Seat insert material		None			
Stem diameter		8.649-8.666(.3405-.3412)	8.687-8.705(.3420-.3427)		
Stem to guide clearance		.038-.081(.0015-.0032)	.038-.081(.0015-.0032)		
Lift (at zero lash)		9.30(.366)	9.55(.376)		
Outer spring press. & length		Valve closed — N at mm (lb. at in.)	262.4-306.9 @ 43.86 (59-69 @ 1.727)	349-376 @ 42.42 (77-83 @ 1.67)	
		Valve open — N at mm (lb. at in.)	773.9-845.1 @ 34.04 (174-190 @ 1.34)	658-721 @ 32.89 (145-159 @ 1.294)	
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) .060" wall steel tubing
 MVMA-C-80



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

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

Engine Description/Carb.

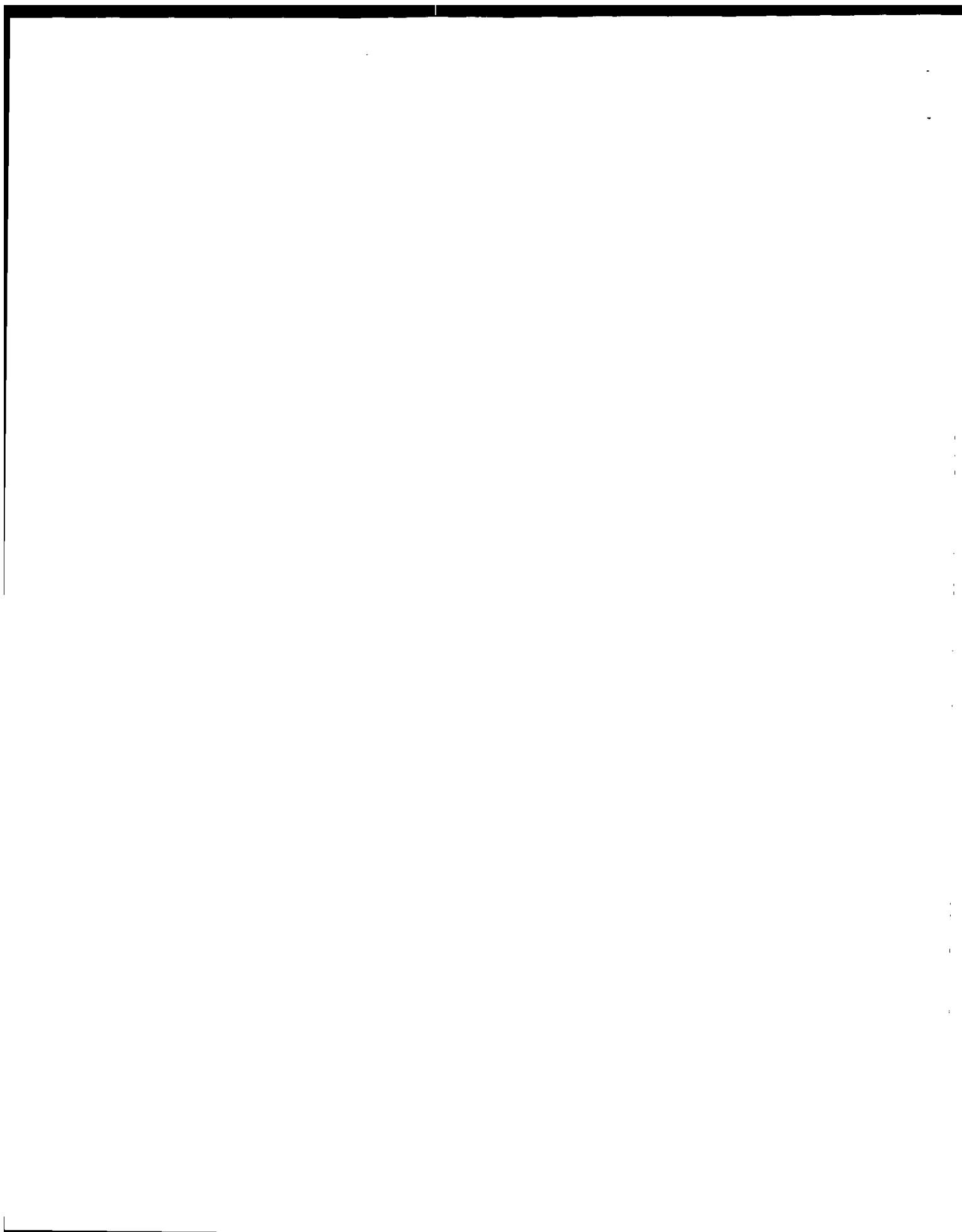
3.8 Liter V-6/2-Bb1 (229 CID) RPO LC3	4.4 Liter V-8/2-Bb1 (267 CID) RPO L39	5.0 Liter V-8/4-Bb1 (305 CID) RPO LG4
--	--	--

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 and nozzle	Centrifugally oiled
	Cylinder walls	Splash	Pressure, Jet crossspr
Oil pump type	Gear		
Normal oil pressure-kPa(Psi) at engine rpm	310 (45)		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Full flow		
Capacity of oilcase, 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) & 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
Intermediate Pipe	O.D. & wall thickness	50.8 (2.0) | 57.15 (2.25)
	Material	Aluminized steel tubing
Tail Pipe	O.D. & wall thickness	50.8 (2.0)
	Material	Aluminum coated tubing



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

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

Engine Description / Carb.

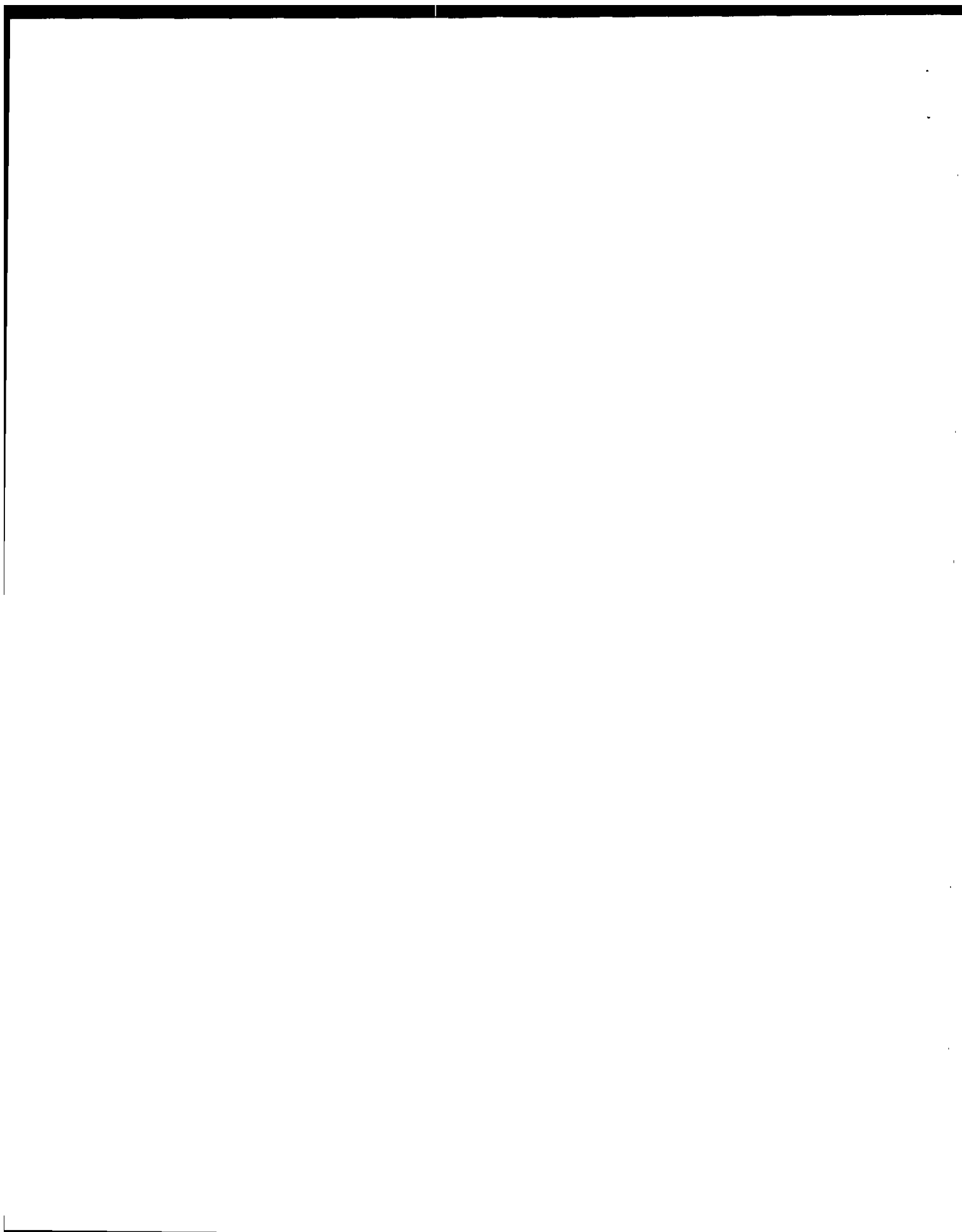
3.8 Liter V-6/2-Bb1 (231 CID) RPO LD5	5.7 Liter V-8/Diesel F.I. (350 CID) RPO LF9
--	--

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	Splash
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Splash & nozzle	Spray
	Cylinder walls	Splash	Spray
Oil pump type	Gear		
Normal oil pressure-kPa (Psi) at engine rpm	310 (45)	207-310(30-45) @ 1500	
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Fullflow		
Capacity of oil case, less filter-refill-L(qt.)	3.8 (4.0)	7.1 (7.5)	
Oil grade recommended (SAE viscosity and temperature range)	SAE-30 - Above 0°C (32°F)		
Minus 6.6°C (20°F) & above	20W-20, 10W-30, 10W-40, 20W-40, 20W-50	SAE 10W-30 - Below 0°C (32°F)	
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) & below	5W-20, 10W-30		
Engine service reqmt. (SD, SE, etc.)	SE	SE/CC or SE/CD	

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		
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		
	Material		
Tail Pipe	O.D. & wall thickness	50.8 (2.0)	57.15 (2.25)
	Material	Aluminum coated tubing	



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

Car Line Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description / Carb.

3.8L/2-bb1 (229 CID) V-6 RPO LC3	3.8L/2-bb1 (231 CID) V-6 RPO LD5	4.4L/2-bb1 (267 CID) V-6 RPO L39	5.0L/4-bb1 (305 CID) V-8 RPO LG4	5.7L/Diesel (350 CID) V-8 RPO LF9
--	--	--	--	---

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.)	Cpe & Sed. - 95 (25.0) ; Station Wagon - 83.3 (22.0) Approx.				
Fuel Tank	Filler location	Rear - Sedan & Coupe; L.R. Otr. Panel - Station Wagon				
Fuel Pump	Type (elec. or mech.)	Electric		Mechanical		
Fuel Pump	Locations on engine	Lower RF	Lower LF	Lower Right Front		
Fuel Pump	Pressure range — kPa (psi)	31-41 (4.5-6.0)	29-40 (4.25-5.75)	52-62 (7.5-9.0)	38-45 (5.5-6.5)	
Fuel Filter	Type	Fine Mesh Plastic Strainer in Gasoline Tank & Paper Filter Element in Carburetor Inlet				
Fuel Filter	Locations	Paper Filter Element in Carburetor Inlet				
Fuel Filter	Choke type	Electric				
Fuel Filter	Intake manifold heat control (exhaust or water)	Exhaust				
Carburetor type	Air cleaner type	Standard Replaceable Paper Element, Single Snorkel				
Carburetor type	Optional					
Carburetor type	Manual	--	--	--	--	--
Carburetor type	Propane (Neu.)					
Carburetor type	Automatic	600/D (*)	550/D	500/D	500/D	
Carburetor type	Propane (Neu.)					
Carburetor type	Idle A/F mix.					

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in.³)	Transmission	Carburetors		No. Used and Type	Barrel Size	
			Make	Model			
● Sedan & Coupe	3.8 (229)	Automatic	Rochester		One 2-bb1	Pri & Sec. 35.1 (1.38)	
● Sedan & Coupe	3.8 (231)				(17080493)	One 2-bb1	Pri & Sec. 36.5 (1.4375)
All	4.4 (267)				17080108	One 2-bb1	Pri & Sec. 35.1 (1.38)
All	5.0 (305)				17080202 (17080502)	One 4-bb1	Pri-35.1 (1.38) Sec-57.2 (2.25)
Station Wagon	5.7 (350)						Mech. Fuel Inj. Pump

Data in brackets () pertains to California.

● * - 575 rpm with RPO Z5A Special Economy Package on Model 1BL47.



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

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

Engine Description / Carb.

3.8L V6/2-b. (229 CID) RPO LC3	3.8L V6/2-b. (231 CID) RPO LD5	4.4L V8/2-b. (267 CID) RPO L39	5.0L V8/4-B (305 CID) RPO LG4	5.7L V8/Diesel (350 CID) RPO LF9
--------------------------------------	--------------------------------------	--------------------------------------	-------------------------------------	--

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		By Pass		
	Starts to open at °C (°F)	91 (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	External	
Radiator core type (cross-flow vertical, cellular, tube and fin, other)		Cross Flow, Tube & Center				
Cooling System Capacity (a)	With heater — L (qt.) (*)	14.22	11.79	17.03	15.47	16.39
	Without heater — L (qt.)	Standard Equipment				
(a) Opt. equipment-specify — L (qt.)		14.16	11.71	16.96	16.13	16.53
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		39.6-46.0	
		Inside diameter	38.1 (1.50)		(1.56-1.81)	
	Upper	Number and type (molded, straight)	One, Molded		39.6	
		Inside diameter	38.1 (1.50)		(1.56)	
	By-pass	Number and type (molded, straight)	None	One Molded	None	One Straight
		Inside diameter		15.9 (.625)		17.8-19.3 (.70-.76)
Radiator (Core)	Standard	Width	528 (20.8)	668 (26.3)	718.8 (28.3)	
		Height	431 (16.97)	429 (16.89)	431 (16.97)	
		Thickness	31.5 (1.24)	25 (0.98)	48.8 (1.92)	
	A/C	Width	528 (20.8)	668 (26.3)	718.8 (28.3)	
		Height	431 (16.97)	431 (16.97)	431 (16.97)	
		Thickness	31.5 (1.24)		25 (0.98) 48.8 (1.92)	
	Heavy duty	Width	528 (20.8)	668 (26.3)	718.8 (28.3)	
		Height	431 (16.97)	431 (16.97)	431 (16.97)	
		Thickness	31.5 (1.24)		25 (0.98) 48.8 (1.92)	
	Fan Standard	Number of blades & spacing		4, Staggered		
		Diameter		483 (19.0)		
		Ratio — fan to crankshaft rev.		.95:1		
Fan cutout type		None				
Drive Type-Number of Fans		V-Belt - one				
Fan Optional	No. of blades and spacing		5			
	Diameter		6			
	Ratio — fan to crankshaft rev.		50.8 (20.0)			
	Fan cut-out type		.95:1			
	Drive Type-Number of Fans		Clutch V-belt-one			

(*) Base Transmission
 (a) With Air Conditioning



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

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

Engine Description/Carb.

3.8L V-6/2-bb1 (229 CID) RPO LC3	3.8L V-6/2-bb1 (231 CID) RPO LD5	4.4L V-8/2-bb1 (267 CID) RPO L39
-------------------------------------	-------------------------------------	-------------------------------------

Vehicle Emission Control

All exc. Calif. Calif. only All exc. Calif.

Type (Air injection, engine modifications, other)	Air Injection	Air Injection	Air Injection
Air Injection Pump	Type	W/C-4 System	
	Displacement — cm ³ (in ³)	(Computer	
	Drive ratio	Controlled	
	Drive type	Catalytic	
	Relief valve (type)	Converter)	
	Filter (describe)		
Air Injection System	Air distribution (head, manifold, etc.)	Exhaust pipe	
	Point of entry	Exhaust pipe	
	Injection tube i.d.	6.9 (.27)	
	Check valve type	Pressure plate system	
	Backfire protection (type)	Diverter valve	
Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow	
	Valve type	Vacuum modulated shut-off & metering valve	
	Valve location	Inlet manifold-Left rear	Inlet manifold-R
	Control energy source	Carburetor vacuum	
	Exhaust source	Manifold exhaust crossover	
	Exhaust cooler type	None	
	Orifice no. and size	One: 0.76 (.030)	
	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold	
Catalytic Converter System	Catalyst	Type	Platinum - Palladium
		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 hydro-carbon emission.	



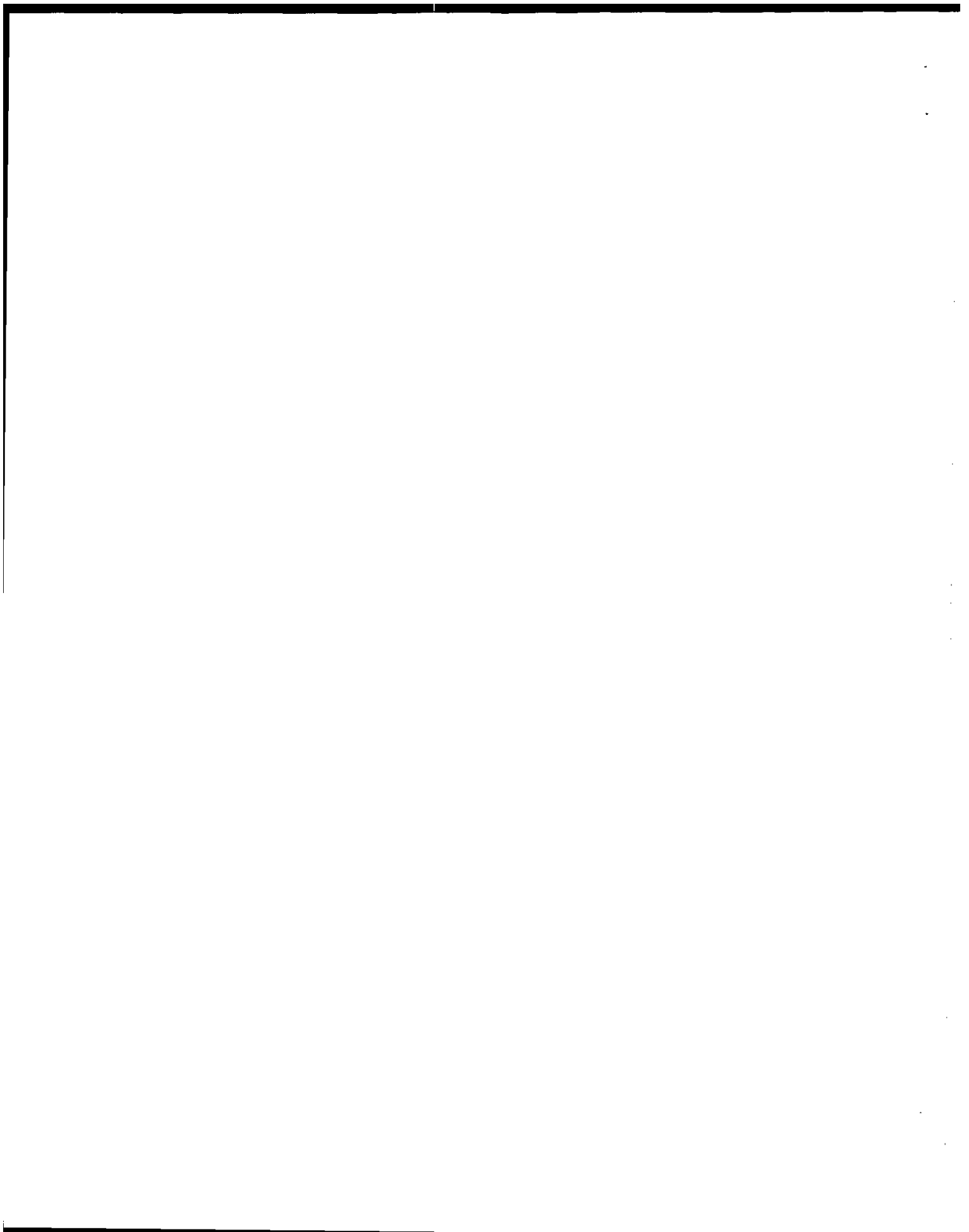
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

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

Engine Description/Carb.

5.0 Liter V-8/4-bbl Carb. 305 CID) RPO LG4 5.7L V-8/Diesel 350 CID) RPO LF9

Vehicle Emission Control		Federal	California	Federal	
Exhaust Emission Control	Type (Air injection, engine modifications, other)	Air Injection	Air Injection		
	Air Injection Pump	Type		w/C4 System	
		Displacement — cm ³ (in ³)		(Computer	
		Drive ratio		Controlled	
		Drive type		Catalytic	
		Relief valve (type)		Converter)	
		Filter (describe)			
	Air Injection System	Air distribution (head, manifold, etc.)	Exhaust pipe		
		Point of entry	Exhaust pipe		
		Injection tube i.d.	6.9 (0.27)		
		Check valve type	Pressure Plate System		
		Backfire protection (type)	Diverter valve		
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow		
		Valve type	Vacuum modulated shut-off & metering valve		
		Valve location	Inlet manifold-right rear		
Control energy source		Carburetor vacuum			
Exhaust source		Manifold exhaust crossover			
Exhaust cooler type		none			
Orifice no. and size		One; 0.76 (.030)			
Point of exhaust injection (spacer, carburetor, manifold, other)		Inlet manifold			
Catalytic Converter System	Catalyst	Type	Platinum-Palladium		
		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 & mixes heated air with incoming cold air to reduce hydro-carbon emission.			



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

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

Engine Description/Carb.

3.8L V-6 200 CID RPO LC3	3.8L V-6 231 CID RPO LD5	4.4L V-8 267 CID RPO L39	5.0L V-8 305 CID RPO LG4	5.7L V-8 350 CID RPO LF9
--------------------------------	--------------------------------	--------------------------------	--------------------------------	--------------------------------

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		Rear of intake man.	LF 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)		Caruretor 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 throttle blade position.			



•
•

•
•
•



MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

Car Line CHEV/BUICK
Model Year 1980 Issue 10/79 Revised (*) 2/80

Engine Description/Carb.

3.8L V6/2-b. (229 CID) RPO LC3	3.8L V6/2-b. (231 CID) RPO LD5	4.4L V8/2-b. (267 CID) RPO L39	5.0L V8/4-b. (305 CID) RPO LG4	5.7L V8/Diesel (350 CID) RPO LF9
--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--

Electrical — Supply System

Battery	Make and Model		Delco Freedom		
	Voltage Rtg. — V — & Total Plates		12-3200	12-2500	
	SAE Designation No. and/or capacity		80 min. Res. Cap.	60 min. Res. Cap.	
			80 Minute Reserve Capacity	125 Min Res. Cap. (a)	
Location		Engine Compartment, Right Front			
Generator or Alternator	Make		Delco Remy		
	Model		1103161	1103043	
	Type and rating		37	42	
	Output at engine idle (neutral) A		37	55	
	Ratio — Gen. to Cris rev.		2.73:1	2.36:1	
Regulator	Make		Delco Remy		
	Model		---		
	Type		Micro Circuit Unit; Integral With Distributor		
	Regulated	Voltage		13.8-14.8	
		Current A		---	
	Voltage test conditions	Temperature — °C (°F)		Operating	
		Load A		3-8	
Other		---			

Electrical — Starting System

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

(a) Two (2) batteries required.



·
·



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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description/Carb.

3.8L V-6/ 2-Bb1 (229 CID) RPO LC3	3.8L V-6 2-Bb1 (231 CID) RPO LD5	4.4L V-8 2-Bb1 (267 CID) RPO L39	5.0L V-8 4-Bb1 (305 CID) RPO LG4	5.7L V-8/ Diesel (350 CID) RPO LF9
--	---	---	---	---

Electrical — Ignition System — Distributor

Distributor	Manual	---	---	---	---	Injector Pump
	Automatic	1110574	(1110784)	1103387(*) 1103383(**)	1103384 (1103368)	
Timing	Manual	---	---	---	---	
	Automatic	10° BTC 12° BTC (a)		4° BTC (*) 2° BTC (**)	4° BTC	

(*) Sedan & Coupe
 (**) Station Wagon

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1103387	0 @ 1200	8 @ 1700	22 @ 4400	0 @ 13.5	10 @ 27.0
1103384	0 @ 800	16 @ 2000	20 @ 4000	0 @ 13.5	15 @ 40.
1103368	0 @ 1000	10 @ 1700	20 @ 3800	0 @ 13.5	
1110574	0 @ 1200	7 @ 2400	14 @ 4100	0 @ 10.1	20 @ 25.3
1103383	0 @ 1200	8 @ 1700	22 @ 4400	0 @ 10.1	16 @ 21.9
1110784					
Data in brackets () pertains to California					
(a) RPO Z5A Special Economy on model 1BL47.					

.

.

.

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

Car Line CHEVROLET
 Model Year 1980 Issued 2/79 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 LE9	5.0L V-8/ 4/Bbl (305 CID) RPO LG4	5.7L V-8/ Diesel (350 CID) RPO LF9
--	--	--	--	---

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 Remv				
	Model		Integral with distributor cap				
	Current	Engine stopped — A	---				
		Engine idling — A	---				
Spark Plug	Make		A.C. Spark Plug				
	Model		R45TS	R45TSX	R45TS	R45TS	Glow plu
	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	Rectangular Dial with Pointer
	Trip odometer (std., opt., N.A.)	Optional
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 Control Type
	Blade length	457.2 (18.0 in)
	Swept area — cm ² (in. ²)	Coupe 6770 (1049.6 in ²) Sedans & Wagons 6107 (946.8 in ²)
Wind-shield Washer	Type — standard	Push-Button
	Type — optional	NA
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	Dual-1BN00 models; one (low note) on 1B100 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. Fuel Economy (vacuum) and coolant temperature gauges in optional package.	

.

.

.

.

.

.

.

.

.

.

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

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

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	5.7L V-8/ Diesel (350 CID) RPO LF9
--	--	--	--	---

Drive Units — Clutch (Manual Transmission)

Make & type	
Type pressure plate springs	
Total spring load — R (lb.)	
No. of clutch driven discs	
Clutch facing	Material
	Manufacturer
	Part Number
	Rivets/Plate
	Rivet size
	Outside & inside dia.
	Total eff. area - cm ² (in. ²)
	Thickness
Engagement cushion-method	
Release bearing	Type & method of lubrication
Torsional damping	Methods: springs, friction material

NOT AVAILABLE

Drive Units — Transmissions

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

Drive Units — Manual Transmission

Number of forward speeds		
Transmission ratios	In first	
	In second	
	In third	
	In fourth	
	In fifth	
	In reverse	
Synchronous meshing, specify gears		
Shift lever location		
Lubricant	Capacity — L (pt.)	
	Type recommended	
	SAE viscosity number	Summer
		Winter
Extreme cold		

NOT AVAILABLE

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

Car Line CHEVROLET
 Model Year 1980 Issued 12/79 Revised (*)

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 LG3	5.0L V-6/ 1-Bbl (305 CID) RPO LG4	5.7L V-8/ Diesel (350 CID) RPO LF9
---	--	--	--	---

Drive Units — Automatic Transmission (See "Power Teams" for Transmission Usage)

Trade name 3-Speed Automatic

Type (describe) 200c 250c, 350c & 350
Torque converter with planetary gears

Selector location Steering column

Gear Ratios	P	Park	
	R	2.07	1.93
	N	Neutral	
	D	2.74-1.57-1.0	2.52-1.52-1.0
	L2	2.74-1.57	2.52-1.52
	L1	2.74	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	2.35	2.0
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	298 (11.75)	298(11.75) & 310(12.2) @
Lubricant	Capacity — refill — L (pt.)	4.0 (7.5)	3.8 (6.6)
	Type recommended	Dexron II	

Special transmission features 200c, 250c, 350c feature converter lock-up final drives - on all except RPO LD5 engine & Calif. LG4

Drive Units — Axle

Type (front, rear) Rear

Description Semi-floating axles overhung hypoid drive pinion and ring gear

Limited Slip differential, type Disc clutch

Drive Pinion Offset 38.1(1.50)=7.50" R.G.; 44(1.75)-8.50 & 8.75" R.G.

No. of differential pinions TWO

Pinion adjustment (shim, other) Shim

Pinion bearing adj. (shim, other) Collapsible sleeve

Wheel bearing type Direct or single row cylindrical

Lubricant	Capacity — L (pt.)	1.5(3.25)-7.50" R.G.; 1.9(4.0)-8.50 & 8.75" R.G.		
	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		

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

Axle Ratio	2.41 **	2.73	2.56	3.08 **	2.73	
No. of teeth	Pinion	17	15	16	13	15
	Ring gear	41	41	41	40	41
Ring Gear O. D.	191 (7.50)*		222 (8.75)			
Transaxle	Transfer Gear Ratio					
	Final Drive Ratio					

(*) Ring gear O.D. for limited slip differential - 216 (8.50)

(**) Also ring gear - 216 (8.50).

@ 310 mm (12.2 in) on RPO LG4 engine only.



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

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

Engine Description/Carb.

191 (7.50) Ring Gear	216 (8.50) & 222 (8.75) Ring Gear
----------------------	--------------------------------------

Drive Units — Propeller Shaft

Number used		One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Right	Straight tube	
	Left		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	N.A.	
	Manual 4-speed trans.	N.A.	
	Manual 5-speed trans.	N.A.	
	Overdrive	N.A.	
	Automatic transmission	69.9 x 1489.2 x 1.65 (2.75 x 58.63 x .065)	69.9 x 1464.2 x 1.65 (2.75 x 57.65 x .065)
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting prepack)	---	
Slip Yoke	Type	Yoke	
	Number of teeth	27	
	Spline O.D.	29.858 - 29.883 (1.1755 - 1.1765)	29.845-29.850 (1.1750-1.1752)
Universal joints	Make and Mfg. No.	Inner	Saginaw 44
		Outer	
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach (u-bolt, clamp, etc.)	Strap & bolt	
Bearing	Type (plain, anti-friction)	Anti-friction	
	Lubric. (fitting, prepack)	Pre-pack	
Drive taken through (torque tube or arms, springs)		Control Arm	
Torque taken through (torque tube or arms, springs)		Control Arm	

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

1
2

3
4
5
6
7

8

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

Car Line CHEVROLET
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Engine Description / Carb.

Coupe & Sedan	Station Wagon
---------------	---------------

Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply	P205/75R15-B/W, W/S	P225/75R15-B/W, W/S	
	Type (bias, radial, etc.)	Steel belted radial		
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	241 (35)	193 (28)
		Rear-kPa (psi)	241 (35)	248 (36)
	Rev./mile—at 70 km/h (45 mph)	478 (769)	458 (737)	
WHEELS	Type & material	Short spoke disc, steel		
	Rim (size & flange type)	15 x 6	15 x 7	
	Wheel offset	12.7 (.50)	7.5 (.30)	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	120.6 (4.75)	127.0 (5.0)
		Number & size	5-7/16-20 UNF-2B hexnuts	5-7/16-20 UNF-2B hex nuts
Spare wheel (same or other)	16 x 4 - compact spare			

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P225/70R15 (W/S) (b)	P225/75R15 (a) (W/S)
Type (bias, radial, etc.)	Steel belted radial	Steel belted radial
Wheel type & material	Short spoke disc, steel	
Rim (size, flange type, and offset)	15 x 7; 7.5 (.30)	
Size, load range, ply	P215/75R15 (W/W) (c)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply	P205/75R15 (a) (W/S)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply	Spare Tire	
Type (bias, radial, etc.)	Base	
Wheel type & material	T125/80D16 Compact	T125/90D16 Compact
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

Brakes — Parking

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

- (a) Self sealing.
- (b) Required with RPO F41 Sport Suspension
- (c) Base tire for model 1BL47 with RPO Z5A Special Economy package. - optional on remainder of models.

-

-

-

-

-

-

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

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

Body Type And/Or Engine Displacement

Sedan & Coupe	Station Wagon
---------------	---------------

Brakes — Service

Brake Type (std., Opt., N.A.)	Drum	Front	---	
		Rear	Standard	
	Disc	Front	Standard	
		Rear	---	
Self-adjusting (std., opt., N.A.)			Standard	
Special Valving	Type (proportion, delay, metering, other)		Metering & Proportioning	
Power Brake (std., opt., N.A.)			Standard	
Booster Type (remote, integral, vac., hyd., etc.)			Integral (a)	
Anti-skid device type (std., opt., N.A.)			N.A.	
Effective area — cm ² (in. ²)*			648 (100.5)	717 (111.2)
Gross lining area — cm ² (in. ²)**			717 (111.1)	792 (122.8)
Swept area — cm ² (in. ²)***			2127 (329.8)	2420 (375.1)
Rotor	Outer working diameter	F	279.4 (11.0)	301.2 (11.86)
		R	---	
	Thickness	F	26.2 (1.03)	
		R	---	
	Material & type (vented/solid)	F	Cast iron, vented	
		R	---	
Drum	Diameter (nominal)	F	---	
		R	241.3 (9.50)	279.4 (11.0)
Type and material			Cast iron, finned	
Wheel cylinder bore	Front	74.7 (2.94)		
	Rear	22.22 (.875)	23.81 (.9375)	
Master Cylinder	Bore	28.6 (1.13)		
	Stroke	39.6 (1.56)		
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		Front-5.33x9.12(.210x.359) Rear-3.6 x6.35 (.143x.250)
		Manufacturer		Delco Moraine
		Lining Code		GM110FF | GM111FF
		Material		Molded asbestos
		**** Prim. or out-board		137x48.8x11.8 (5.40x1.92x.465)
	Rear Wheel	Size Second or in-board		137x48.8x11.8 (5.40x1.92x.465)
		Shoe thickness (no lining)		Inboard-15.75(.620); Outboard-14.0 (.550)
		Bonded or riveted, rivets/seg.		Riveted: 10-primary, 12-secondary
		Manufacturer		Inlite
		Lining Code		Primary-GM224FF; Secondary-GM235FF
		Material		Molded asbestos
**** Prim. or out-board		192.5x50.8x4.98(7.58x2.0x.196)	225x50.8x5.6(8.86x2.0x.22)	
Size Second or in-board		249.7x50.8x6.73(9.83x2.0x.265)	291x50.8x6.6(11.5x2.0x.26)	
Shoe thickness (no lining)		Pri-7.64(.301);Sec-9.4(.370)	Pri-8.3(.33);Sec-9.3(.37)	

(a) Hyd. booster on Station Wagon with RPO LF9 diesel engine.
 * Excludes rivet holes, grooves, chamfers, etc.
 ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake Square of Outer Lining Dia. minus Square of Inner Working Dia. multiplied by 2/2 for each brake.)
 **** Size for drum brakes includes length x width x thickness.

.

.

.

.

.

.

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

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

Sedan & Coupe		Station Wagon
V-8	V-6	

Steering

Manual (std., opt., N.A.)		N.A.		
Power (std., opt., N.A.)		Standard		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt-universal jointed steering shaft at base of steering wheel - 6 position		
	(Std., opt., N.A.)	Optional		
Wheel diameter	Manual	---		
	Power	387 (15.25)		
Turning diameter (m (feet))	Outside front	Wall to wall (l. & r.)	13.6 (44.55) | 13.8 (45.11)	
		Curb to curb (l. to r.)	11.8 (38.81) | 12.1 (39.63)	
	Inside rear	Wall to wall (l. to r.)		
		Curb to curb (l. to r.)		
Manual	Gear	Type		
		Make		
		Ratios	Gear Overall	
	No. wheel turns (stop to stop)			
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 Overall	14.0:1 | 13.0/16.0:1 | 18.0:1 | 18.8:1 on center
	Pump driven by		V-belt	
No. wheel turns (stop to stop)		3.16	3.3	
Linkage	Type		Parallelogram	
	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.)		9.785 @1	
	Bearings (type)	Upper	Ball stud with non-metallic surfaces	
		Lower	Ball stud with non-metallic surfaces	
		Thrust	None	
Steering spindle & joint type				
Wheel Spindle	Diameter	Inner bearing	31.7 (1.25)	
		Outer bearing	19.0 (0.75)	
	Thread size		3/4-20	
	Bearing type		Tapered roller	
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)	+2 to +4	
		Camber (deg.)	0 to 1.6	
		Toe-in (outside track-mm (In.))	+0.05 to +0.25	
	Service reset	Caster	+3 ± 0.5	
		Camber	+0.8 ± 0.5	
		Toe-in	+1.5 ± .05	
	Periodic M.V. Inspection	Caster	+1 to +5	
		Camber	-0.7 to +2.3	
Toe-in		-0.15 to +0.55		



.

.

.

.

.

.

.

.

.



VMA Specifications Form
Passenger Car
(FBI/HS Customer)

Make **CHEVROLET**
 Model Year **1980** Year **10/79** Period (A)

Body Type And/Or Engine Displacement

Sedan & Coupe	Station Wagon
---------------	---------------

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	Side lift frame jack body bolt access holes on each side of frame about 2 ft. fwd. of wheel centerline
Shock absorber front & rear	Type Make Piston dia.
	Direct, double acting, hydraulic Delco 25 (1.0)
Other special features	Air booster shock absorbers optional equipment on rear of all vehicles

Suspension — Front

Type and description	Independent - SLA	
Travel	Full Jounce	90.4 (3.56)
	Full Rebound	107.7 (4.24)
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	241.3x102.9;3347x15.8 (9.5x4.05;131.7x.622)
	Spring rate — N/mm (lb./in.)	52.5 (300)
	Rate at wheel — N/mm (lb./in.)	15.3 (87)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel;26(1.0);29(1.14)(b)

Suspension — Rear

Type and description	Salisbury 4-link	
Drive and torque taken through	Control arms	
Travel	Full Jounce	122.7 (4.83)
	Full Rebound	116.3 (4.58)
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D., bar length & dia.)	254x139.7x2961.6x13.44) (10.0x5.5x116.6x.529)
	Spring rate — N/mm (lb./in.)	17.5 (100)
	Rate at wheel — N/mm (lb./in.)	18.9 (108)
	Mounting insulation type	---
	If leaf	No. of leaves Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel-21.8(0.86) (b)
Track bar type	None	

(b) Used with RPO F41 Sport Suspension Equipment.

1
2

3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

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

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

Body Type

4-Door Sedan	2-Door Coupe	4-Door Station Wagon
--------------	--------------	----------------------

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Lacquer	
Hood	Rear	
Hood counterbalance (type)	4-link type with spiral spring	
Hood release control (internal, external)	Internal	
Vehicle Ident. No. Location	Top left hand instrument panel pad	
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	Formed full foam pad
Seat back type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	Formed full foam pad
Method of holding luggage compart. lid open	Air Springs	
Position of spare tire storage	Sedans and coupes-Horizontal front center of trunk compartment. Station wagons, vertical right rear quarter panel.	

Frame

Type and description (Separate frame, unitized frame, partially-unitized frame)	Perimeter type, two cross members
---	-----------------------------------

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

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

Body Type		
4-Door Sedan	2-Door Coupe	4-Door Station Wagon

Convenience Equipment

Power windows	Side Windows	Optional	
	Vent Windows	N.A.	
	Backlight or tailgate	N.A.	Optional
Power seats (specify type as well as availability)	Optional - 6 way 50/50 power bench (left only), all models - 6 way power bench, all models.		
Reclining front seat back (R-L or both)	50/50 seat, passenger seat only.		
Radios (specify type as well as availability)	Optional - AM push button, AM/FM, (2) included in stereo unit. AM stereo with tape, AM/FM stereo with tape. (a)		
Rear seat speaker	Optional with AM and AM/FM Radio		
Power antenna	Optional		
Clock	Standard 1BN00 models, optional 1BL00 models.		
Air Conditioner (specify type)	Optional - Four season, manual controls, (b)		
Speed warning device	N.A.		
Speed control device	Optional		
Ignition lock lamp	N.A.		
Dome lamp	Standard		
Glove compartment lamp	Standard		
Luggage compartment lamp	Standard	Optional-Rear compt.	
Underhood lamp	Optional		
Courtesy lamp	Standard 1BN00 models, optional 1BL00 models		
Map lamp	N.A.		
Cornering lamp	Optional		
Rear window defroster electrically heated	Optional		
Rear window defogger	Optional	N.A.	
Theft protection - type	Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.		

- (a) 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.
 AM/FM Stereo radio with cassette tape player.

- (b) Optional - "Comfortron", automatic temperature control, requires V8 engine.

1
2

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

Car Line CHEVROLET
 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.)**
	Front	Rear	Total	Pass. in Front		Pass. in Rear		
				Front	Rear	Front	Rear	
Impala								
4-Door sedan-1BL69 (a)	371.0 (1920)	704.6 (1553)	1575.6 (3473)					1514.5 (3339)
2-Door coupe-1BL47 (a)	375.0 (1929)	693.2 (1528)	1568.2 (3457)					1507.1 (3322)
4-Door, 2-Seat (b) Station Wagon - 1BL35	908.0 (2002)	919.1 (2026)	1827.1 (4028)					1774.4 (3912)
Caprice Classic								
4-Door sedan - 1BN69 (a)	283.0 (1947)	714.9 (1576)	1597.9 (3523)					1536.8 (3388)
2-Door coupe - 1BN47 (a)	283.0 (1947)	699.8 (1543)	1582.8 (3489)					1521.7 (3355)
4-Door, 2-Seat (b) Station Wagon - 1BN35	916.0 (2019)	928.2 (2046)	1844.2 (4065)					1791.5 (3949)
(a) With V6 - 229 CID 3.8 Liter Engine								
(b) With V8 - 267 CID 4.4 Liter Engine								
Curb Weight - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oil, 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--

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

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

Optional Equipment Mass (Weight)*

Equipment Differential Mass (Weight)	MASS, Kg (Weight, lb.)			Remarks
	Front	Rear	Total	
Air Conditioning Comfortron	28.2 (+62.2)	1.8 (+4.0)	30.0 (+66.2)	With V8 Engine
Air Conditioning 4-Season	34.2 (+75.4)	1.6 (+3.5)	35.8 (+78.9)	With V6 Engine
	27.0 (+59.5)	1.6 (+3.5)	28.6 (+63.0)	With V8 Engine
Electric Door Locks	1.0 (+2.2)	1.0 (+2.2)	2.0 (+4.4)	2-Door Models
	1.8 (+4.0)	1.4 (+3.1)	3.2 (+7.1)	4-Door Models
Power Frt. Bench Seat	2.4 (+5.3)	2.6 (+5.7)	5.0 (+11.0)	
Floor Mats Front & Rear	2.0 (+4.4)	1.2 (+2.6)	3.2 (+7.0)	
Vinyl Roof Cover (Padded)	0.8 (+1.8)	1.6 (+3.5)	2.4 (+5.3)	
Power Windows	0.8 (+1.8)	0.6 (+1.3)	1.4 (+3.1)	2-Door Models
	1.6 (+3.5)	1.8 (+4.0)	3.4 (+7.5)	4-Door Models
Wheel Trim Covers	0.6 (+1.3)	0.8 (+1.8)	1.4 (+3.1)	
Bumper Impact Strips	0.8 (+1.8)	0.8 (+1.8)	1.6 (+3.6)	Sedans & Coupes
	0.8 (+1.8)	0.8 (+1.8)	1.6 (+3.6)	Station Wagons
Bumper Guards	2.2 (+4.8)	2.0 (+4.4)	4.2 (+9.2)	Sedans & Coupes
	2.2 (+4.8)	1.2 (+2.6)	3.4 (+7.4)	Station Wagons

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

-

-

-

-

-

-

-

-

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

Car Line Chevrolet
 Model Year 1980 Issued 10/79 Revised (*) 2/80

Optional Equipment Mass (Weight)*

Equipment Differential Mass (Weights)	MASS, kg. (Weight, lb.)			Remarks
	Front	Rear	Total	
Radio AM Push-Button	2.6 (+5.7)	0.6 (+1.3)	3.2 (+7.0)	
Radio AM/FM Push-Button	2.8 (+6.2)	1.0 (+2.2)	3.8 (+8.4)	
Radio AM/FM Stereo	5.0 (+11.0)	2.2 (+4.8)	7.2 (+15.8)	
Radio AM Stereo & Tape	5.4 (+11.9)	2.2 (+4.8)	7.6 (+16.7)	
Radio AM/FM Stereo & Tape	5.6 (+12.3)	2.2 (+4.8)	7.8 (+17.1)	
Radio AM/FM Stereo With Cassette Tape	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	
Radio AM/FM Stereo with Citizen's Band Transcvr.	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	
Radio AM/FM Monaural With Citizen's Band Transceiver.	3.8 (+8.4)	0.6 (+1.3)	4.4 (+9.7)	
Radio, AM/FM Stereo With Clock & Digital Display	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	
Auxiliary Speaker	0 (0)	1.0 (+2.2)	1.0 (+2.2)	
Roof Luggage Carrier	0 (0)	9.6 (+21.2)	9.6 (+21.2)	
● Special Fuel Economy Package	9.3 (20.5)	4.1 (9.0)	13.4 (29.5)	1BI47 Model Only
Heavy Duty Front & Rear Suspension	3.2 (+7)	10.9 (+24)	14.1 (+31)	
Sport Suspension Equipment	2.8 (+6.2)	11.2 (+24.7)	14.0 (+30.9)	
267 CID V8 Engine RPO L39	47.0 (+103.6)	3.0 (+6.6)	50.0 (+110.2)	Sedans & Coupes
305 CID V8 Engine RPO LG4	50.4 (+111.1)	3.6 (+7.9)	54.0 (+119.0)	Sedans & Coupes
	6.2 (+13.7)	0.6 (+1.3)	6.8 (+15.0)	Station Wagons
350 CID V8 Engine RPO LF9	105.4 (+232.4)	9.4 (+20.7)	114.8 (+253.1)	Station Wagons

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVROLET

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

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.

Body Type

SAE Ref. No.	4-Door Sedans		2-Door Coupes		Station Wagons	
	1BL69	1BN69	1BL47	1BN47	1BL35	1BN35
Width						
Tread — Front	W101	1568 (61.8)			1578 (62.2)	
Tread — Rear	W102	1542 (60.8)			1628 (64.1)	
Vehicle width	W103	1914 (75.3)			2014 (79.3)	
Body width at Sg RP — front	W117	1910 (75.2)				
Vehicle width — front doors open	W120	3442 (135.5)		4002 (157.6)		3442 (135.5)
Vehicle width — rear doors open	W121	2917 (114.9)		---		2915 (114.8)

Length

Wheelbase	L101	2945 (116.0)				
Vehicle length	L103	5386 (212.1)			5464 (215.1)	
Overhang — front	L104	1030 (40.5)				
Overhang — rear	L105	1411 (55.6)			1489 (58.6)	
Upper structure length	L123	2366 (93.1)		2398 (94.4)		3506 (138.0)
Rear wheel C/L "X" coordinate	L127	2475 (97.5)				
Cowl point "X" coordinate	L125	236 (9.3)		239 (9.4)		235 (9.2)

Height *

Passenger Distribution (frt./rear)	PD1,2,3	2-3				
Trunk/Cargo load		0				
Vehicle height	H101	1421 (55.9)		1405 (55.3)		1467 (57.7)
Cowl point to ground	H114	993 (39.1)			1003 (39.5)	
Deck point to ground	H138					
Rocker panel front to ground	H112	226 (8.9)			236 (9.3)	
Bottom of door closed - front to grd.	H133	282 (11.1)			293 (11.5)	
Rocker panel rear to ground	H111	230 (9.0)			243 (9.6)	
Bottom of door closed - rear to grd.	H135	282 (11.1)			295 (11.6)	

Ground Clearance *

Front bumper to ground	H102	305 (12.0)			313 (12.3)	
Rear bumper to ground	H104	343 (13.5)			284 (11.2)	
Bumper to ground — front at curb mass (wt.)	H103	333 (13.1)				
Bumper to ground — rear at curb mass (wt.)	H109	382 (15.0)			311 (12.2)	
Angle of approach	H106	16.62°			17.14°	
Angle of departure	H107	14.56°			11.74°	
Ramp breakover angle	H147	16.78°			17.68°	
Rear axle differential to ground	H153	182 (7.2)			171 (6.7)	
Min. running ground clearance	H156	143 (5.6)			153 (6.0)	
Location of min. run. grd. clear.		Front Suspension to Ground				

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. Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVROLET

Model Year 1980

Issued 10/79

Revised (*)

Body Type

SAE Ref. No.	4-Door Sedans		2-Door Coupes		Station Wagons	
	1BL69	1BN69	1BL47	1BN47	1BL35	1BN35
Front Compartment						
Sg RP front. "X" coordinate	L31		1078(42.4)			
Effective head room	H81	1003(39.5)	997(39.2)	985(38.8)	979(38.5)	1005(39.6)
Effective T Point head room	H75	1006(39.6)	1000(39.4)	990(39.0)	984(38.7)	1009(39.7)
Max. eff. leg room — accelerator	L34		1072(42.2)			
Sg RP — front to heel	H30		220(8.7)			
Design H-point front travel	L17		163(6.4)			
Shoulder room	W3	1536(60.5)	1546(60.9)	1535(60.4)	1546(60.9)	1536(60.5)
Hip room	W5		1398(55.0)			1400(55.1)
Upper body opening to ground	H50		1285(50.6)			1307(51.5)
Steering Wheel Angle	H18		19.0°			
Back Angle	L40		26.5°			

Rear Compartment

Sg RP Point couple distance	L50	882(34.7)		872(34.3)		844(33.2)	
Effective head room	H63	971(38.2)	965(38.0)	970(38.2)	964(38.0)	999(39.3)	
Effective T Point head room	H76	969(38.1)	963(37.9)	970(38.2)	964(38.0)	1003(39.5)	
Min. effective leg room	L51	992(39.1)		972(38.3)		959(37.8)	
Sg RP — second to heel	H31	292(11.5)		269(10.6)		307(12.1)	
Knee clearance	L48	91(3.6)		92(3.6)		51(2.0)	
Compartment room	L3	734(28.9)		737(29.0)		720(28.4)	
Shoulder room	W4	1537(60.5)	1546(60.9)	1504(59.2)	1490(58.7)	1536(60.5)	1548(60.9)
Hip room	W6	1405(55.3)		1472(57.9)		1464(57.6)	
Upper body opening to ground	H51	1300(51.2)		--		1315(51.8)	

Luggage Compartment

Usable luggage capacity — L(cu. ft.)	V1	592L (20.9 cu. ft.)		--	
Liftover height	H185	806 (31.7)		--	

All linear dimensions are in millimeters (inches).

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

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

Body Type

SAE Ref. No.	1B135	Station Wagons	1B135
--------------------	-------	----------------	-------

Station Wagon — Third Seat

Shoulder room	W85	1240 (48.8)
Hip room	W88	1109 (43.7)
Effective leg room	L88	782 (30.8)
Effective head room	H88	948 (37.3)
Effective T Point head room	H89	948 (37.3)
Seat facing direction	SD1	Rearward

Station Wagon — Cargo Space

Cargo length — open — front	L200	2790 (109.8)
Cargo length — open — second	L201	1907 (75.1)
Cargo length — closed — front	L202	2290 (90.2)
Cargo length — closed — second	L203	1407 (55.4)
Cargo length at belt — front	L204	2129 (83.8)
Cargo length at belt — second	L205	1222 (48.1)
Cargo width — wheelhouse	W201	1224 (48.2)
Rear opening width at floor	W203	1238 (48.7)
Opening width at belt	W204	1224 (48.2)
Max. rear opening width above belt	W205	988 (38.9)
Cargo height	H201	755 (29.7)
Rear opening height	H202	729 (28.7)
Tail gate to ground height	H250	741 (29.2)
Front seat back to load floor height	H197	
Cargo volume index — m ³ (ft. ³)	V2	2469L (87.2 Cu.ft.)
Hidden cargo volume — m ³ (ft. ³)	V4	2488L (87.9 Cu.ft.)

Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat Back Height	L208	Not Applicable
Cargo length at floor — front	L209	
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 and Body Dimensions See Key Sheets for definitions

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

Body Type

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

Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location		
Front	X - Fiducial marks 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.		
Front	W21	564 (22.2)	
	L54	2754 (108.4)	
	H81	509 (20.0)	
	H181	347.79 (13.7)	348.61 (13.7)
	H183	315.04 (12.4)	326.12 (12.8)
Rear	W22	254 (10.0)	302 (11.9)
	L55	5533 (217.83)	5440 (214.17)
	H82	586 (23.07)	466 (18.35)
	H182	449.32 (17.69)	331.15 (13.04)
	H184	411.01 (16.18)	304.92 (12.0)

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

1
2

3
4
5

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Chevrolet

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

Body Type

SAE Ref. No.	4-Door Sedan	2-Door Coupe	Station Wagons
--------------	--------------	--------------	----------------

Glass

Backlight slope angle	H121	41.5°	46.0°	32.5°
Windshield slope angle	H122	53.5°	54.0°	53.5°
Tumble-Home	W122	24.0°	25.5°	24.5°
Windshield glass exposed surface area — cm ² (in. ²)	S1	8619 (1335.9)		
Side glass exposed surface area — cm ² (in. ²)	S2	12004 (1860.6)	10995 (1704.2)	19948 (3091.9)
Backlight glass exposed surface area — cm ² (in. ²)	S3	5451 (844.9)	5665 (878.1)	4661 (722.5)
Total glass exposed surface area — cm ² (in. ²)	S4	26074 (4041.4)	25279 (3918.2)	33228 (5150.3)
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 **	683 (26.9)	691 (27.2)
		Lowest	682 (26.8)	690 (27.2)
	Tail (H128)	Highest	676 (26.6)	701 (27.6)
		Lowest	---	---
	Sidemarker	Front	630 (24.9)	638 (25.1)
		Rear	660 (26.0)	562 (22.1)
Distance from C/L of car to center of bulb	Headlamp	Inside		
		Outside **		
	Tail	Inside		
		Outside		
	Directional	Front		
		Rear		
Headlamp Shape		Rectangular		

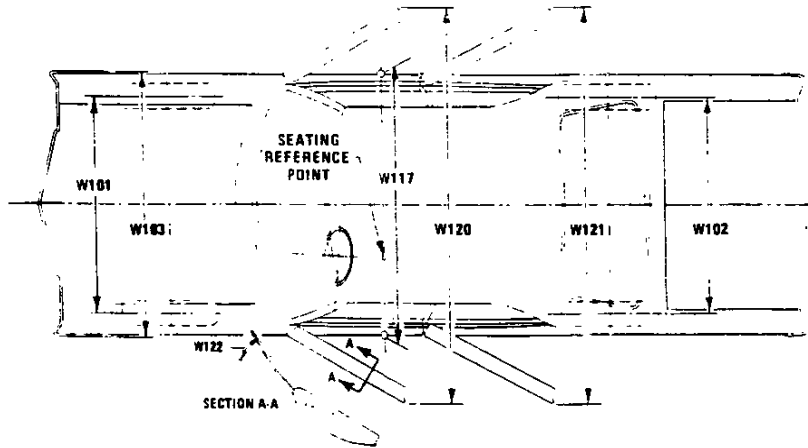
* Measured at curb mass (weight).

** If single headlamps are used enter here

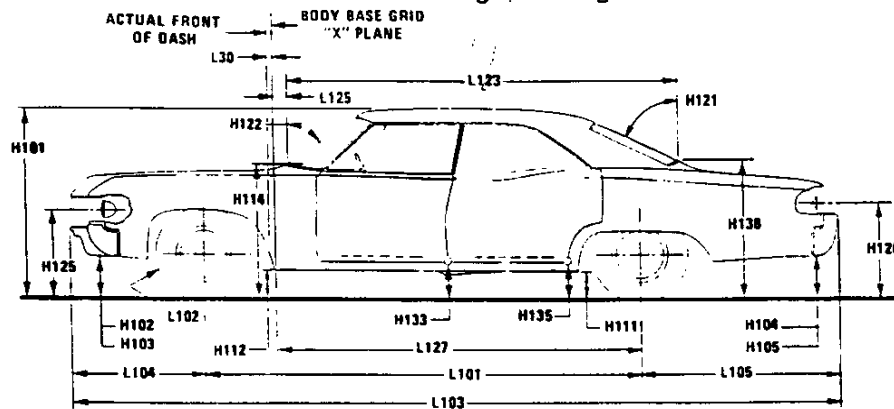
MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet

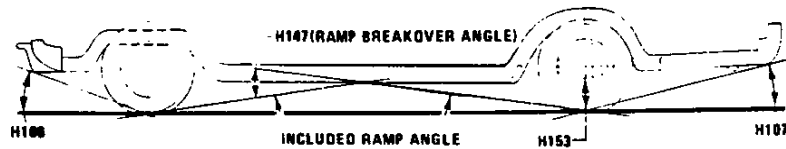
Exterior Width



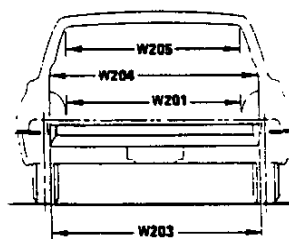
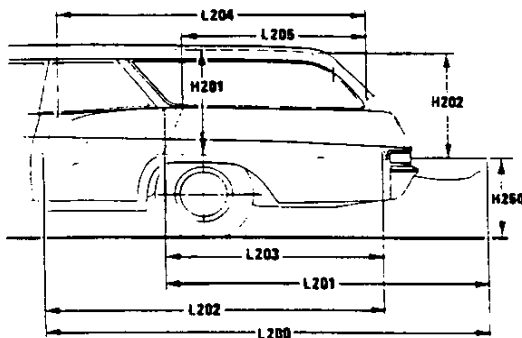
Exterior Length & Height



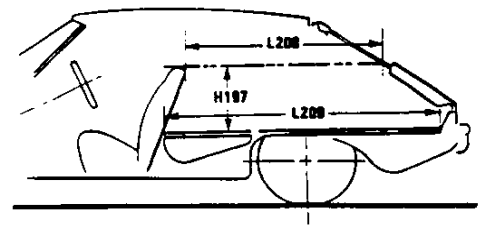
Exterior Ground Clearance



Cargo Space



Station Wagon



Hatchback



1
2

3
4

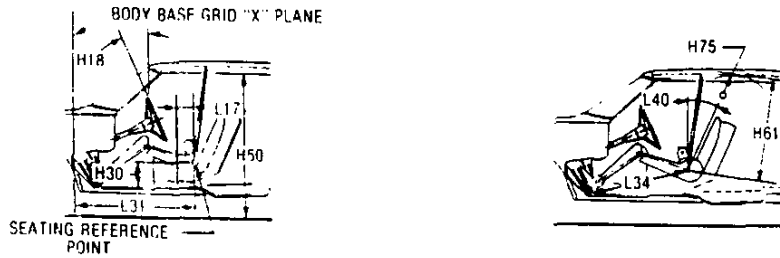
5
6



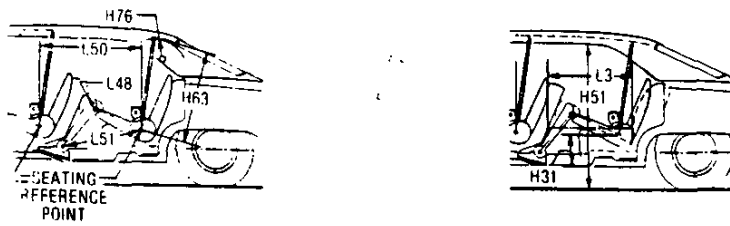
MVMA Specifications Form Passenger Car

Interior Car And Body Dimensions – Key Sheet

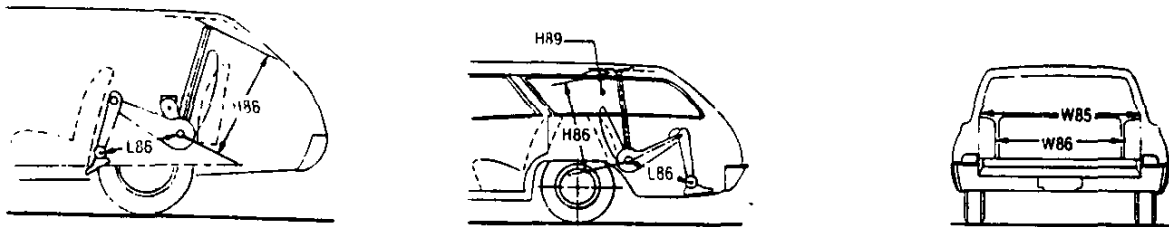
Front Compartment



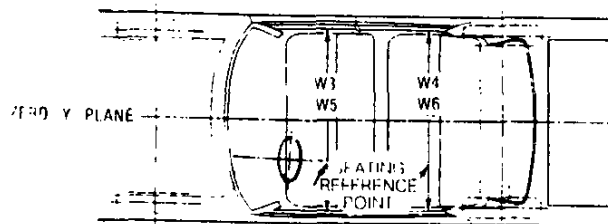
Rear Compartment



Third Seat



Interior Width



·
·

MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet Dimension 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 designed 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, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

- L105 OVERHANG — 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, tow 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.
- H125 HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H126 TAILLAMP TO GROUND. 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.

.

:

.

.

.

.

MVMA Specifications Form

Passenger Car

Interior Car And Body Dimensions — Key Sheet

Dimension Definitions

- 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.
- 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 rearward 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 track 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. (25 mm) 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 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 longitudinally from the back of



•
•

•
•
•
•

•



MVMA Specifications Form Passenger Car

Interior Car And Body Dimensions — Key Sheet Dimension Definitions

- 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 longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on 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.
- 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:

$$\frac{W4 \times H201 \times L204}{1728} = \text{Ft.}^3$$
 Measured in mm:

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

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

$$\frac{\quad}{1728} = \text{Ft.}^3$$
 Measured in mm:

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

$$\frac{\quad}{10^9} = \text{m}^3 \text{ (cubic meter)}$$



4
5

6

7



MVMA Specifications Form Passenger Car

Index

Subject	Page No.	Subject	Page No.
Alternator	12	Lamps and Headlamp Shape	30
Automatic Transmission	16	Legroom	27,28
Axis, Steering	20	Lengths — Car and Body	26
Axle, Rear	2,16	Lifters, valve	8
Battery	12	Linings — Clutch, Brake	15,19
Bearings, Engine	4,5,7	Lubrication	7,15,16,17
Belts — Fan, Generator, Water Pump	9	Luggage Compartment	27
Brakes — Parking, Service	18,19	Mass	27,28
Camber	20	Models	1
Camshaft	5	Motor, Starting	15
Capacities	5	Muffler	10
Cooling System	12	Passenger Capacity	1
Fuel Tank	8	Passenger Mass Distribution	24
Lubricants	8	Piston Pins & Rings	3,4
Engine Crankcase	7	Pistons	3,4
Transmission	15,16	Power Brakes	19
Rear Axle	16	Power Engine	2
Car Models	1	Power Steering	20
Car and Body Dimensions	1	Power Teams	2
Width	28	Propeller Shaft, Universal Joints	17
Length	26	Pumps — Oil, Fuel	7,8
Height	28	Water	9
Ground Clearance	26	Radiator — Cap, Hoses	9
Front Compartment	27	Ratios — Axle	2,16
Rear Compartment	27	Compression	2,3
Luggage Compartment	27	Steering	20
Station Wagon — Third Seat	28	Transmission	15,16
Station Wagon — Cargo Space	28	Rear Axle	2,16
Hatchback — Cargo Space	28	Regulator — Generator	12
Carburetor	2,8,11	Rims	18
Caster	20	Rings, Piston	4
Choke, Automatic	8	Rods — Connecting	4
Clutch — Pedal Operated	15	Seats	22
Coil, Ignition	14	Shock Absorbers, Front & Rear	21
Connecting Rods	4	Spark Plugs	14
Convenience Equipment	23	Speedometer	14
Cooling System	9	Springs — Front & Rear Suspension	21
Crankshaft	5	Stabilizer (Sway Bar) — Front & Rear	21
Cylinders and Cylinder Head	3	Starting System	12
Dimension Definitions	3	Steering	20
Key Sheet — Exterior	31,33	Suppression — Ignition, Radio	14
Key Sheet — Interior	32,34,35	Suspension — Front & Rear	21
Distributor — Ignition	13	Tail Pipe	7
Electrical System	12,13,14	Theft Protection	23
Emission Controls	10,11	Thermostat, Cooling	9
Engine	10,11	Timing — Valve, Ignition	6,13
Bore, Stroke, Type	3	Tires	18
Compression Ratio	2,3	Toe In	20
Displacement	2	Torque Converter	16
Firing Order, Cylinder Numbering	3	Torque — Engine	2
General Information, Power & Torque	2,3	Transmission — Types	2,5,15,16
Identification Number Location	22	Transmission — Automatic	2,5,15,16
Lubrication	7	Transmission — Manual	2,5,16
Power Teams	2	Transmission — Ratios	15,16
Exhaust System	7	Tread	26
Equipment Availability	24	Trunk Cargo Load	1
Fan, Cooling	9	Trunk Luggage Capacity	27
Fiducial Marks	29	Turning Diameter	20
Filters — Engine Oil, Fuel System	7,8	Unitized Construction	22
Frame	22	Universal Joints, Propeller Shaft	17
Front Suspension	21	Valves — Intake & Exhaust	6
Fuel, Fuel Pump, Fuel System	3,8,11	Vehicle Identification Number	22
Fuel Injection	8	Voltage Regulator	12
Generator and Regulator	12	Water Pump	9
Glass	30	Weights	24,25
Headroom — Body	27,28	Wheel Alignment	20
Heights — Car and Body	26	Wheelbase	26
Horns	14	Wheels & Tires	18
Horsepower — Brake	2	Wheel Spindle	20
Ignition System	13,14	Widths — Car and Body	26
Inflation — Tires	18	Windshield	30
Instruments	14	Windshield Wiper and Washer	14
Kingpin (Steering Axis)	20		

