

Specifications

Form

Passenger Car

1982

METRIC (U.S. Customary)

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION		Car Line CHEVROLET	
Model Year 1982		Issued: AUGUST, 1981	
		Revised (*): APRIL, 1982	

NOTE: Sheets revised - 2, 8A, 19, 23, 25, 27.

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 Form

Passenger Car

METRIC (U.S. Customary)

Table of Contents

1	Car Models
2	Power Teams
3-7	Engine
7	Exhaust System
8	Fuel System/Diesel Information
9	Cooling System
10, 11	Vehicle Emission Control
12, 13	Electrical
14-17	Drive Units
17	Tires and Wheels
18	Brakes
19	Steering
20	Suspension — Front and Rear
21	Body — Miscellaneous Information
21	Frame
22	Convenience Equipment
23	Vehicle Mass (Weight)
24	Optional Equipment Mass (Weight)
25-27	Car and Body Dimensions
28	Vehicle Fiducial Marks
29	Glass/Lamps and Headlamp
30-34	Car and Body Dimension Key Sheets
35	Index

NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure 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 1982 Issued 8-81 Revised (*) 10-81

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 (Front/Rear)		Max. Trunk/Cargo Load— Kilograms (Pounds)
Chevrolet	Model Number	Front	Rear - 3rd	
Impala				
4-Door Sedan	1BL69	3	3	90.7 (200.0)
4-Door Station Wagon, 2-Seat	1BL35	3	3	136.0 (299.8)
Caprice Classic				
4-Door Sedan	1BN69	3	3	90.7 (200.0)
2-Door Coupe	1BN47	3	3	90.7 (200.0)
4-Door Station Wagon, 3-Seat	1BN35	3	3 - 2	0 (0)

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

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) 4-82

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	
	Displ. Liters (in ³)	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM		Exhaust System*		(std. first) (indicate A/C ratio)	
				kW (bhp)	Torque N - m (lb ft.)			Base	Option
Base-All exc. Calif. Sed. & Cpe.	V6 3.8 (229) LC3	2	8.6:1	110@ 4200	170@ 2000	S	Auto '250c'-Base (Auto '350c' @@	2.56/ 2.73*	3.23 ∇
Base-Calif. only Sed. & Cpe.	V6 3.8 (231) LD5	2	8.0:1	110@ 3800	190@ 1600		Auto '350c'-Base	2.73	3.23
Avail.-All exc. Calif. Sed. & Cpe. Base-All exc. Calif. -Sta. Wgn.-	V8 4.4 (267) L39	2	8.3:1	115@ 4000	205@ 2400		Auto '250c'-Base Auto '350c'-Base@ Auto '200-4R-Avail (Auto '700'-R4-Avail\$)	2.41 2.73	- -
Avail.-All States -Sed. & Cpe. Sta. Wgn.	V8 5.0 (305) LG4	4	8.6:1	145@ 4000	240@ 1600		Auto '200-4R'-Base (Auto '700'-R4-Base\$)	2.73	3.08 ∇
Avail.-All States -Sed. & Cpe. -Sta. Wgn.	V8 5.7 (305) LF9	F.I. Die- sel	22.5:1	105@ 3200	200@ 1600		Auto '350c'-Base Auto '200'-4R-Opt.% Auto '350c'-Base Auto '200'-4R-Opt.%	2.41 2.56	2.93 2.93
@@ - Manufacturing option for Coupe only @ - Manufacturing option * - 2.73:1 axle required with A/C, optional A/C. ∇ - Recommended, optional, axle for high altitude usage, required RPO NA6. \$ - '700'-R4 will replace '200'-4R approximately, March 8, 1982. % - '200'-4R will be available February, 1982.									

*S-Single D-Dual

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb. Engine Code	3.8 Liter V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Liter V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Liter V8 (305 CID) 4-Bbl. Carburetor RPO LG4

ENGINE - GENERAL

Type (inline, V and angle flat)	90° "V"		
Location (front,mid,rear)	Front		
Engine installation position (transverse, longitudinal)	Longitudinal		
Number of mtg. points	Front	Two	
	Rear	One	
No. of cylinders	6	8	
Bore	95 (3.736)	88.9 (3.50)	94 (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)		
Cylinder block material	Cast alloy iron		
Cylinder block deck height	229.2 (9.025)		229.4 (9.03)
Deck clearance (minimum) (above or below block)	.635 (.025) below		
Cylinder head material	Cast alloy iron		
Cylinder head volume - cm ³	58.9 (3.59)	51.8 (3.16)	58.9 (3.59)
Head gasket thickness (compressed)	.533 (.021)		
Head gasket volume - cm ³	3.98 (.243)	3.61	3.98 (.243)
Minimum combustion chamber volume - cm ³	56.7	49.6	56.7
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	
Recommended fuel (leaded, unleaded)	Unleaded		
Fuel antiknock index (R + M) 2	87		
Total dressed engine mass (wt) dry*	205.6 (453.2)	253.5 (559)	274.3 (605)

*Dressed engine mass (weight) includes to following: All those items necessary to make the engine a complete ready-to-run unit

**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 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb. Engine Code	3.8 Liter V6 (231 CID) 2-Bbl. Carburetor RPO LD5	5.7 Liter V8 (350 CID) Diesel Fuel Injection RPO LF9
---	--	--

ENGINE - GENERAL

Type (inline, V and angle flat)	90° 'V'		
Location (front,mid,rear)	Front		
Engine installation position (transverse, longitudinal)	Longitudinal		
Number of mtg points	Front	Two	
	Rear	One	
No of cylinders	6	8	
Bore	96.5 (3.80)	103.05 (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)	
Cylinder block material	Cast alloy iron		
Cylinder block deck height	242.8 (9.56)	--	
Deck clearance (minimum) (above or below block)	1.91 below	--	
Cylinder head material	Cast alloy iron		
Cylinder head volume -- cm ³	48.19	--	
Head gasket thickness (compressed)	.533	--	
Head gasket volume -- cm ³	3.93	--	
Minimum combustion chamber volume -- cm ³	87.65	--	
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
Recommended fuel (leaded, unleaded)	Unleaded		Diesel #2 summer, #1 winter
Fuel antiknock index (R + M) 2	87		--
Total dressed engine mass (wt) dry*	207.3 (457)	315.3 (695)	

*Dressed engine mass (weight) includes to following: All those items necessary to make the engine a complete ready-to-run-unit.

**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 1982 Issued 8-81 Revised (*)

Engine Description/Carb. Engine Code	3.8 L V6 (229 CID) 2-BBL CARBURETOR RPO LC3	4.4L V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL CARBURETOR RPO LG4
--------------------------------------	---	--	--

Engine - Pistons

Material	Cast aluminum alloy				
Description and finish (flat, dished, dome, etc.)	Closed skirt, sump head				
Mass. g (weight, oz.) - Piston Only	502 (17.71)	445 (15.69)	502 (17.7)		
Clearance (limits)	Top land	.622-.851 (.025-.0334)	.635-.787 (.025-.031)	.622-.851 (.0245-.0335)	
	Skirt	Top	.018-.107 (.0007-.0042)	.030-.043 (.0012-.0017)	.069-.145 (.0027-.0057)
		Bottom	--		
Ring groove diameter	No 1 ring	84.33-84.71 (3.320-3.335)	79.04-79.30 (3.112-3.122)	84.33-84.71 (3.320-3.335)	
	No 2 ring	84.33-84.71 (3.320-3.335)	79.04-79.30 (3.112-3.122)	84.33-84.71 (3.320-3.335)	
	No 3 ring	83.82-84.20 (3.300-3.315)	77.98-78.23 (3.070-3.080)	83.82-84.20 (3.300-3.315)	

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	Upper	Molybdenum filled cast alloy iron, radius face, chrome flash. channel, barrel faced.
	Lower	Inside bevel, reverse cast alloy iron, rev. twist, tapered face.
	Description - material, coating, etc.	
	Width	1.96-1.98 (.0073-.0780)
	Gap	0.25-0.51 (.010-.020)
Oil	Description - material, coating, etc.	TRW 'T' flex design, 0.002" minimum chrome.
	Width	4.52-4.62 (.178-.182) 4.71 (.1855)
	Gap	0.25-.762 (.010-.030)
Expanders	In oil ring assembly	

Engine - Piston Pins

Material	AIS1-5015		
Length	75.95-76.45 (2.990-3.010)	69.60-70.10 (2.740-2.760)	75.95-76.45 (2.990-3.010)
Diameter	23.546-23.553 (.9270-.9273)		
Type	Locked in rod, in piston, floating, etc.	locked in rod	
	Bushing	In rod or piston	--
		Material	--
Clearance	In piston	.0013-.0075 (.00005-.00030)	.0114 (.00045)
	In rod	--	
Direction & amount offset in piston	1.52 (.060) major thrust side	3.302-3.556 (.13-.14)	2.286-2.54 (.09-.10) major thrust side

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb. Engine Code	3.8 Liter V6 (231 CID) 2-Bbl. Carburetor RPO LD5	5.7 Liter V8 (350 CID) Diesel Fuel Injection RPO LF9
--------------------------------------	--	--

Engine - Pistons

Material	Cast aluminum alloy	
Description and finish (flat, dished, dome, etc.)	Full skirt with transverse slot, dished head	Autothermic, cam grind tin plate, steel strut
Mass. g (weight, oz) - Piston Only	508 (17.92)	--
Clearance (limits)	Top land	1.19 - 1.32 (.047 - .052)
	Skirt	Top
		Bottom
Ring groove diameter	No 1 ring	86.10 - 85.73 (3.390 - 3.375)
	No 2 ring	86.10 - 85.73 (3.390 - 3.375)
	No 3 ring	86.26 - 85.93 (3.396 - 3.383)

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	Upper -	Molybdenum filled channel, barrel face.
	Description - material, coating, etc.	
	Lower -	Inside bevel, reverse tapered face phosphate coated.
	Width	1.956 - 1.981 (.0770-.0780)
	Gap	0.25 - 0.51 (.010 - .020)
Oil	Description - material, coating, etc.	Stainless steel - 50
	Width	.597 - .622 (.0235 - .0245)
	Gap	0.38 - 1.40 (.015 - .055)
Expanders	Abutment type	Spacer - spring steel - 601-75

Engine - Piston Pins

Material	SAE - 1018	Steel - SAE 1016 or 1019
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
Clearance	In piston	.008 - .023 (.0003 - .0009)
	In rod	.018 - .043 (.0007 - .0017)
Direction & amount offset in piston	Major thrust side-.102 (.040)	None

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb. Engine Code	3.8 Liter V6(229 CID)	4.4 Liter V8(267 CID)	5.0 Liter V8 (305 CID)
	2-Bbl. Carburetor	2-Bbl. Carburetor	4-Bbl. Carburetor
	RPO LC3	RPO L39	RPU LG4

Engine - Connecting Rods

Material		1037 or 1038 steel	
Mass. g (weight. oz.)		388 (13.69)	604.47 (21.32)
Length (center to center)		144.8 (5.70)	
Bearing	Material & type	Premium aluminum	
	Overall length	17.86-18.11 (.703-.713)	21.13-21.39 (.832-.842)
	Clearance (limits)	.025-.063 (.0010-.0025)	.033-.089 (.0013-.0035)
	End play	.15-.38 (.006-.015)	.15-.41 (.006-.016)

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	(B)	(C)	
	Clearance	.0508-.0889 (.0020-.0035) (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	62.189x29.39(2.4484x1.157) 62.194 x 20.37 (2.4486 x .802)	
		No. 5	--	62.189 x 38.94 (2.4484 x 1.533)
		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)	53.28-53.28-53.33 (2.0978-2.0998)	

Engine - Camshaft

Location		In block above crankshaft		
Material		Cast alloy iron		
Bearings	Material	Steel backed babbitt		
	Number	4	5	
Gear, chain or belt		Chain		
Type of drive	Crankshaft gear or sprocket material	Steel	Sintered iron	
	Camshaft gear or sprocket material	Cast iron	Aluminum nylon	
	Timing chain	No. of links	46	
		Chain or belt	Width	15.87 (.625)
Pitch	12.7 (.500)			

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

(B) #1 - G66 Conecc; #2-4 - M400
 (C) #1 - G66 Conecc; #2,3,4 - M400;
 #5 upper - M100; #5 lower - M400

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb. Engine Code	3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO 1D5	5.7 LITER V8 (350 CID) DIESEL FUEL INJECTION RPO 1F9
--------------------------------------	---	--

Engine - Connecting Rods

Material	Cast arma steel	Steel SAE - 1140	
Mass, g (weight, oz.)	454 (16.01)	--	
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)	20.85-21.15 (.821-.831)
	Clearance (limits)	.013-.066 (.0005-.0026)	
	End play	.15-.58 (.006-.023)	.15-.51 (.006-.020)

Engine - Crankshaft

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (no.)	2	3	
Crankshaft end play	.08-.28 (.003-.011)	.089-.343 (.0035-.0135)	
Main bearing	Material & type	#1 upper-M400 Conecc; #1 lower* #1-5 upper & #5 lower - M100;*	
	Clearance	.008-.046 (.0003-.0018)	
	Journal dia. and bearing overall length	No. 1	63.39x21.95 (2.4955 x .864) 76.2 x 24.77 (3.0 x .975)
		No. 2	63.39 x 26.85 (2.4955 x 1.057) 76.2 x 24.77 (3.0 x .975)
		No. 3	63.39 x 21.95 (2.4955 x .864) 76.2 x 30.33 (3.0 x 1.194)
		No. 4	63.39 x 21.95 (2.4955 x .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)	
	*M100 Conecc; #2-3-M400; #4-M100 *#1-4 lower - M400		

Engine - Camshaft

Location	In block above crankshaft			
Material	Cast iron alloy	Cast iron conkorall		
Bearings	Material	Steel backed babbitt	GM-4167M or GM-3381M	
	Number	4	5	
Type of drive	Gear, chain or belt	Chain		
	Crankshaft gear or sprocket material	Sintered iron	SAE - 1117 steel	
	Camshaft gear or sprocket material	Aluminum nylon	GM-85-M cast iron	
	Timing chain	No. of links	54	48
	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 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	4.4L V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL CARBURETOR RPO LG4
---	--	--

Engine - Valve System

Hydraulic lifters (std. opt., n.a.)		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	44
		Closes (°BTC)	78	76
		Duration (deg)	300	300
	Exhaust	Opens (°BTC)	78	78
		Closes (°BTC)	52	52
		Duration (deg)	310	310
Valve open overlap (deg)		94	96	
Material		SAE-1541 or 1547 (A)	SAE-1541-H steel (A)	
Overall length		124.52-125.03 (4.9024-4.9224)		
Actual overall head dia		46.7 (1.84)	46.7 (1.84)	
Angle of seat & face (deg)		46.45		
Seat insert material		None		
Stem diameter		8.661-8.679 (.3410-.3417)		
Stem to guide clearance		.025-.069 (.0010-.0027)		
Lift (at zero lash)		9.07 (.357)		
Intake valve	Outer spring press & length	Valve closed - N at mm (lb at in.)	338-374 @ 43.2 (76-84 @ 1.70)	
		Valve open - N at mm (lb at in.)	872-916 @ 31.7 (194-206 @ 1.25)	863-916 @ 31.75 (194-206 @ 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		38.1 (1.50)	38.1 (1.50)	
Angle of seat & face (deg)		46.45		
Seat insert material		None		
Stem diameter		8.661-8.679 (.3410-.3417)		
Stem to guide clearance		.025-.069 (.0010-.0027)		
Lift (at zero lash)		9.91 (.3900)		
Exhaust valve	Outer spring press & length	Valve closed - N at mm (lb at in.)	338-374 @ 43.2 (76-84 @ 1.70)	
		Valve open - N at mm (lb at in.)	872-916 @ 31.7 (194-206 @ 1.25)	863-916 @ 31.75 (194-206 @ 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	

(A) Chrome flash stem.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5	5.7 LITER V8 (350 CID) DIESEL FUEL INJECTION RPO LF9
--	--

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard			
Valve rotator, type (intake, exhaust)		None	--		
Push rods (dia., length, material)		7.94 x 220.9 (.3125 x 8.697(a))	7.925 x 209.9 (.312 x 8.265)		
Rocker ratio		1.50:1	1.60:1		
Operating lappet clearance: (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16	16	
		Closes (*BTC)	63	38	
		Duration (deg.)	259	234	
	Exhaust	Opens (*BTC)	68	64	
		Closes (*BTC)	29	17	
		Duration (deg.)	277	261	
	Valve open overlap (deg.)		45	33	
Intake valve	Material		1541 steel, chrome flash stem	21-2N, 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)	47.248-47.752 (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)		9.47 (.373)	9.53 (.375)	
	Outer spring press & length	Valve closed - N at mm (lb at in.)	262-307 @ 43.86 (59-69 @ 1.727)	349-376 @ 42.4 (77-83 @ 1.67)	
		Valve open - N at mm (lb at in.)	774-845 @ 34.0 (174-190 @ 1.34)	658-721 @ 32.9 (149-159 @ 1.30)	
	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, 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.)	262-307 @ 43.9 (59-69 @ 1.73)	349-376 @ 42.4 (77-83 @ 1.67)	
		Valve open - N at mm (lb at in.)	774-845 @ 34.0 (174-190 @ 1.34)	658-721 @ 32.9 (145-159 @ 1.30)	
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 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	4.4L V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL CARBURETOR RPO LG4
---	--	--

Engine - Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Splash & nozzle	Centrifugally oiled
	Cylinder walls	Splash	Pressure, jet cross sprayed
Oil pump type	Gear		
Normal oil pressure-kPa(psi) at engine rpm	345-448 (50-65) @ 2000		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Full flow		
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)		
Oil grade recommended (SAE viscosity and temperature range)	Minus 6.6°C(20°F) & Above 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 Minus 17.7°C to + 15.5°C (0 to 60°F) 10W, 5W-30, 10W-40, 10W-30 Minus 6.6°C(20°F) & Below 5W-20, 10W-30		
Engine service reqmt (SD, SE, etc)	SF		

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	50.8x1.14 (2.0x.045)	50.8x.86 (2.0x.034)
	Main O.D., wall thickness	57.15 x 1.8 (2.25 x .071)	
	Material	(a)	
Inter-mediate pipe	O.D. & wall thickness	57.15x1.4(2.25x.055)	50.8x1.4(2.0x.055) 57.15x1.4(2.25x.055)
	Material	Steel tubing	
Tail pipe	O.D & wall thickness	50.8x1.1 (2.0x.043)	57.15x1.4 (2.25x.055)
	Material	Aluminum coated tubing	

(a) Branch - Laminated tubing - steel inner, stainless steel outer (except LF9)
 - LF9 - Laminated steel tubing

Main - Stainless steel tubing (except LF9)
 - Laminated steel tubing.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5	5.7 LITER V8 (350 CID) DIESEL FUEL INJECTION RPO LF9
--	--

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	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)	Full flow		
Capacity of c/case, less filter-refill-L (qt)	3.8 (4.0)	7.1 (7.5)	
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 10W, 5W-30, 10W-40, 10W-30 (0 to 60°F) Minus 6.6°C(10°F) & Below 5W-20, 10W-30		
Engine service reqmt (SD, SE, etc.)	SF	SE/CC or SE/CD	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)	Single w/crossover		
Muffler nr. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		
Resonator no. & type	None		
Exhaust pipe	Branch O.D., wall thickness	50.8x.86 (2.0 x .034)	50.8x1.07 (2.0 x .042)
	Main O.D., wall thickness	50.8x.86 (2.0 x .034)	50.8x1.07 (2.0 x .042)
	Material	Stainless Steel	Steel
Inter-mediate pipe	O.D. & wall thickness	50.8 (2.0)	
	Material	--	
Tail pipe	O.D. & wall thickness	50.8x1.1 (2.0 x .043)	57.15 (2.25)
	Material	Aluminum coated tubing	

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	4.4L V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL CARBURETOR RPO LG4
---	---	--

Engine - Fuel System (See supplemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)

Induction type carburetor, fuel injection system, etc		Carburetor		
Fuel tank	Refill capacity - L (U.S. gals)	95 (25.0) - Cpe & Sed (A); 83.3 (22.0) - S.W. (approximately)		
	Filler location	Rear - Sed. & Cpe; LR quarter panel - station wagon		
Fuel pump	Type (elec or mech.)	Mechanical		
	Locations	Lower right front		
	Pressure range - kPa (psi)	31-41 (4.5-6.0)	38.0-48.5 (5.5-7.0)	
Carburetor	Mfr. & model			
	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	500	
Propane (neu)	--			
Idle A/F mix	--			

(A) Diesel sedan/coupe - 102 (27.0)

Engine - Diesel Information

Glow plug		
Injector nozzle	Type	
	Opening pressure - kPa. (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) 4-82

Engine Description/Carb. Engine Code	3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO LD5	5.7 LITER V8 (350 CID) DIESEL FUEL INJECTION RPO LF9

Engine - Fuel System (See supplemental page for details of Fuel injection Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Carburetor	Fuel Injection	
Fuel tank	Refill capacity - L (U.S. gals)	95 (25.0)-Cpe & Sed(A); 83.3 (22.0) - S.W. (approximately)		
	Filler location	Rear - Sedan & Coupe; LR quarter panel - Station Wagon		
Fuel pump	Type (elec. or mech.)	Electric	Mechanical	
	Locations	Lower LF	Lower right front	
	Pressure range - kPa (psi)	29-40 (4.25-5.75)	38-45 (5.5-6.5)	
Carburetor	Migr. & model			
	Choke type	Electric		
	Intake manifold heat control (exhaust or water)	Exhaust		
	Air cleaner type	Standard	Replaceable paper & charcoal element, single snorkel	
		Optional	--	
	Idle spd -rpm (spec. neutral or drive)	Manual	--	
		Propane (neu)	--	
Automatic		500		
Idle A/F mix	Propane (neu)	--		
		--		

(A) Diesel sedan/coupe - 102 (27.0)

Engine - Diesel Information

Glow plug	6 volt heaters	
Injector nozzle	Type	Spring loaded
	Opening pressure - kPa. (psi)	--
Pre-chamber design	Stainless steel inserts	
Fuel injection pump	Manufacturer	--
	Type	High pressure rotary
Supplementary vacuum source (type)	--	

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6 (229 CID) 2-BBL CARBURETOR RPO LC3	4.4L V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL CARBURETOR RPO LG4
--	--	--

Engine - Cooling System

Coolant recovery system (std., opt., none)		Standard		
Radiator cap relief valve pressure - kPa (psi)		103.4 (15.0)		
Circulation thermostat	Type (choke, bypass)	Choke		
	Starts to open at °C (°F)	91 (195)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	--		
	Number of pumps	One (1)		
	Drive (V-belt, other)	V-belt		
Bearing type		Sealed double row ball		
By-pass recirculation type (inter., ext.)		Internal		
Radiator core type (cross-flow vertical, cellular, tube and fin, other)		Cross flow, tube & center		
Cooling system capacity	With heater - L(qt.)	13.46 (14.22)	16.12 (17.03)	14.64 (15.47)
	Without heater - L(qt.)	Heater standard equipment		
	Opt. equipment-specify - L(qt.)	13.40 (14.16)	16.05 (16.96)	15.27 (16.13)
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator (hose)	Lower	Number and type (molded, straight)	One, molded	
		Inside diameter	38.1 (1.50)	38.1 (1.50)
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter	31.8 (1.25)	31.8 (1.25)
	By-pass	Number and type (molded, straight)	None	
		Inside diameter		
Radiator (core)	Standard	Width	528.3 (20.8)	668.0 (26.3)
		Height	431.0 (17.0)	429.7 (16.9)
		Thickness	31.5 (1.24)	25.0 (0.98)
	A/C	Width	528.3 (20.8)	668.0 (26.3)
		Height	431.0 (17.0)	429.7 (16.9)
		Thickness	31.5 (1.24)	25.0 (0.98) (c)
	Heavy duty	Width	528.3 (20.8)	668.0 (26.3)
		Height	431.0 (17.0)	429.7 (16.9)
		Thickness	31.5 (1.24)	40.2 (1.58) (b)
Fan (standard)	Number of blades & type - flex/solid		Four (4), staggered	
	Diameter		483 (19.0)	
	Ratio - fan to crankshaft rev.		1.09 (1.43 with heavy duty alternator)	
	Fan cutout type		None	
	Drive type-number of fans		V-belt - one	
Fan (optional)	No. of blades and spacing		Five (5), staggered	
	Diameter		508 (20.0)	
	Ratio - fan to crankshaft rev.		1.09 (1.43 with heavy duty Alt.)	
	Fan cut-out type		Thermostatically controlled clutch w/AC & heavy duty Alt.	
	Drive type-number of fans		V-belt - one	

(b) S.W. W/RPO L39 engine - 25.0 (0.98)

(*) Base Transmission

(c) S.W. W/RPO LG4 engine in Calif. - 40.2 (1.58)

(@) With Air Conditioning

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO LD5	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9
---	--

Engine - Cooling System

Coolant recovery system (std., opt., none)		Standard			
Radiator cap relief valve pressure—kPa(psi)		103.4 (15.0)			
Circulation thermostat	Type (choke, bypass)	Choke	Bypass		
	Starts to open at °C (°F)	91 (195)			
Water pump	Type (centrifugal, other)	Centrifugal			
	GPM 1000 pump rpm	--			
	Number of pumps	One (1)			
	Drive (V-belt, other)	V-belt			
	Bearing type	Sealed double row ball			
By-pass recirculation type (inter., ext.)		External			
Radiator core type (cross-flow vertical, cellular, tube and fin, other)		Cross flow, tube & center			
Cooling system capacity	With heater—L(qt.)	11.16 (11.79)	15.51 (16.39)		
	Without heater—L(qt.)	Heater standard equipment			
	Opt. equipment—specify—L(qt.)	11.08 (11.71)	15.64 (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		
		Inside diameter	38.1 (1.50)		
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	31.8 (1.25)		
	By-pass	Number and type (molded, straight)	One, molded	One, straight	
		Inside diameter	--		
Radiator (core)	Standard	Width	528.3 (20.8)	18.8 (28.3)	
		Height	431.0 (17.0)	431.0 (17.0)	
		Thickness	31.5 (1.24)	49.8 (1.96)	
	A/C	Width	528.3 (20.8)	718.8 (28.3)	
		Height	431.0 (17.0)	431.0 (17.0)	
		Thickness	31.5 (1.24)	49.8 (1.96)	
	Heavy duty	Width	528.3 (20.8)	718.8 (28.3)	
		Height	431.0 (17.0)	431.0 (17.0)	
		Thickness	31.5 (1.24)	49.8 (1.96)	
	Fan (standard)	Number of blades & type - flex/solid		5, staggered	4, staggered
		Diameter		508 (20.0)	483.0 (19.0)
		Ratio - fan to crankshaft rev.		1.14	--
Fan cutout type		Clutch	None		
Drive type-number of fans		V-belt - one			
Fan (optional)	No. of blades and spacing		5, staggered	5, staggered (a)	
	Diameter		508 (20.0)	483 (19.0)	
	Ratio - fan to crankshaft rev.		1.14	--	
	Fan cut-out type		Clutch	Clutch	
	Drive type-number of fans		V-belt - one	V-belt - one	

- (a) 7 blade with RPO V08 heavy duty radiator
- (*) Base Transmission
- (@) With Air Conditioning

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6(229) 2-BBL.CARB. RPO LC3	3.8L V6(231) 2-BBL.CARB. RPO LD5	4.4L V8(267) 2-BBL.CARB. RPO L39	5.0L V8 (305) 4-BBL.CARB. RPO LG4
--	--	--	---

Vehicle Emission Control

Type (air injection, engine modifications, other)		Air injection w/computer command control		
Air Injection Pump	Type	Vane		
	Displacement - cm ³ (in ³)	180 (11)		
	Drive ratio	1.52	1.68	1.52
	Drive type	V-Belt		
	Relief valve (type)	--		
	Filter (describe)	Nylon-Plastic		
Air Injection System	Air distribution (head, manifold, etc.)	Exhaust pipe		
	Point of entry	Exhaust pipe		
	Injection tube i.d.	7.8 (.307)		
	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		
Catalytic Converter System	Catalyst	Type	Platinum - Palladium - Rhodium	
		Volume - L(in ³)	4.0 (244)	
	Substrate type	Dual bed *		
	Container location	Beneath RF underbody		
		--		
Other	Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission.		

* Single bed with LD5, Volume 260

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V-6 229 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 Optional	Induction system --	
	Control unit	Make and Model	AC	
		Location	Rr. of inlet mani. LF valve rocker cover	
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable orifice	
	Complete system	Discharges (to intake manifold, other)	Inlet manifold	
		Air inlet (breather cap, other)	Carburetor air cleaner	
		Flame arrestor (screen, other)	Screen	
	Evaporative Emission Control	Fuel tank	Thermal expansion volume—dm ³ (ft ³)	Approx. 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- retor		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, carburetor throttle body & throttle blade position.	

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8 L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	4.4 L V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0 L V8 (305 CID) 4-BBL. CARBURETOR RPO L64
--	--	--

Electrical - Supply System

Battery	Make and model		Delco 'Freedom II'		
	Voltage rtg. - V - & total plates		12V		
	SAE designation no. and/or capacity		90 min. reserve capacity		
	Location		Engine compartment, right front		
Generator or alternator	Make		Delco Remy		
	Model		1103161	1103088	
	Type and rating		37	55	
	Output at engine idle (neutral) A		--		
	Ratio - gen. to crs rev.		2.73:1		
Regulator	Make		Delco Remy		
	Model		--		
	Type		Micro circuit unit: integral with distributor		
	Regulated	Voltage		--	
		Current A		--	
	Voltage test conditions	Temperature - °C (°F)		--	
		Load A		--	
Other		--			

Electrical - Starting System

Starting motor	Make		Delco Remy		
	Model		1109534		
Motor drive	Engagement type		Positive shift solenoid		
	Pinion engages from (front, rear)		Rear		
	Number of teeth	Pinion		9	
		Flywheel	Manual	--	
Auto	153		168		

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8 LITER V-6 (231 CID) 2-BBL. CARBURETOR RPO LD5	5.7 LITER V-8 (350 CID) FUEL INJECTION DIESEL RPO LF9
---	---

Electrical – Supply System

Battery	Make and model		Delco 'Freedom II'		
	Voltage rtg. – V – & total plates		12V		
	SAE designation no. and/or capacity		90 min. reserve capacity	115 min. reserve capacity (A)	
	Location		Engine compartment, right side	Engine compartment, one (1) on each side	
Generator or alternator	Make		Delco Remy		
	Model		1100110	1103088	
	Type and rating		42	55	
	Output at engine idle (neutral) A		--	--	
	Ratio—gen. to cris rev.		2.36:1	2.73:1	
Regulator	Make		Delco Remy		
	Model		--		
	Type		Micro circuit unit; integral with distributor		
	Regulated	Voltage		--	
		Current A		--	
	Voltage test conditions	Temperature – °C (°F)		--	
		Load A		--	
Other		--			

Electrical – Starting System

Starting motor	Make		Delco Remy		
	Model		--		
Motor drive	Engagement type		Positive shift solenoid		
	Pinion engages from (front, rear)		Front	Rear	
	Number of teeth	Pinion		9	
		Flywheel	Manual	--	
			Auto	160	168

(A) Two (2) batteries required; connected in parallel.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) 10-81

Engine Description/Carb.
 Engine Code

3.8L V-6 2-BBL.CARB. RPO LC3	3.8L V-6 2-BBL.CARB RPO LD5	4.4L V-8 2-BBL.CARB RPO L39	5.0L V-8 4-BBL.CARB RPO LG4	5.7L V-8 F.I.DIESEL 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
	Current	Engine stopped - A	--
		Engine idling - A	--
Spark plug	Make		AC
	Model		R45TS Glow plug
	Thread (mm)		14
	Tightening torque—N-m (lb. ft.)		--
	Gap		1.143 (.045)

*R45TS8, 080 Gap for RPO LD5

Electrical - Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.
------------------	--

Electrical - Instruments and Equipment

Speed-ometer	Type	Rectangular dial with pointer
	Trip odometer (std., opt. n.a.)	Optional
EGR maintenance indicator		Not available
Charge indicator	Type	Tell-Tale (gauge optional)
	Warning device	Not available
Temperature indicator	Type	Tell-Tale (gauge optional)
	Warning device	Not available
Oil pressure indicator	Type	Tell-Tale (gauge optional)
	Warning device	Not available
Fuel indicator	Type	Electric Gauge
	Warning device	Not available
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	Not available
	Fluid level indicator	Not available
Horn	Type	Vibrator
	Number used	Dual-1BN00 models: one (low note) on 1BL00 models
Other	Restraint system warning light and buzzer. Parking brake and brake failure warning light. Fuel economy (vacuum) and coolant temperature gauges tripodometer in optional package	

* Fluidic type standard

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6 2-BBL CARB RPO LC3	3.8L V6 2-BBL CARB RPO LD5	4.4L V8 2-BBL CARB RPO L39	5.0L V8 4-BBL CARB RPO LG4	5.7L V8 F.I.DIESEL RPO LF9
----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------

Drive Units – Clutch (Manual Transmission)

Make & type	NOT	
Type pressure plate springs	AVAILABLE	
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	Method: springs, friction material	--

Drive Units – Transmissions

Manual 3-speed (std., opt., n.a.)	Not available			
Manual 4-speed (std., opt., n.a.)	Not available			
Manual 5-speed (std., opt., n.a.)	Not available			
Manual overdrive (std., opt., n.a.)	Not available			
Automatic (std., opt., n.a.)	Standard			
Automatic overdrive (std., opt., n.a.)	Not Avail	Not Avail	Available	Available (1)

Drive Units – Manual Transmission

Number of forward speeds	NOT		
Transmission ratios	In first	AVAILABLE	
	In second	--	
	In third	--	
	In fourth	--	
	In fifth	--	
	In overdrive	--	
	In reverse	--	
	Synchronous meshing, specify gears	--	
Shift lever location	--		
Lubricant	Capacity—L (pt.)	--	
	Type recommended	--	
	SAE viscosity number	Summer	--
		Winter	--
		Extreme cold	--

(1) - Interim availability

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

3.8L V6 (229 CID) 2-BBL CARBURETOR RPO LC3	4.4L V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL CARBURETOR RPO LG4
--	--	--

Drive Units - Automatic Transmission (See Power Teams for transmission usage)

Trade name		3-Speed Automatic		
Type (describe)		Torque converter with planetary gears 700-R4 (1) '250c' '350c' '200-4R'		
Selector	Location	Steering column		
	Ltr./No designation	P-R-N-D-2-1		P-R-N-3-2-1
Gear ratios	R	2.29	1.93	2.07
	D	1.00	1.00	1.00
	2	1.63	1.52	1.57
	1	3.06	2.52	2.74
	Overdrive	.70	-	.67
Max upshift speed—drive range—km/h (mph)		--		
Max kickdown speed—drive range—km/h (mph)		--		
Min overdrive speed—km/h (mph)		-- 61 (38)		
Torque converter	Number of elements	-- 3		
	Max ratio at stall	2.35	2.0	1.9
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	298 (11.75)		
Lubricant	Capacity—refill—L (pt.)	3.3 (7.0)	2.8 (6.0)	--
	Type recommended	Dexron II		
Special transmission features	Torque converter 2nd, 3rd & clutch lock-up 4th gear		3rd gear	3rd & 4th gear Overdrive feature

Drive Units - Axle or Front Wheel Drive Unit

Type (front, rear)		Rear		
Description		Semi-floating axle, overhung hypoid drive pinion & ring gear		
Limited slip differential, type		Disc clutch		
Drive pinion offset		7.50" R.G.-38.1 (1.50); 75" R.G. - 44 (1.75)		
Drive pinion type		Hypoid gear		
No of differential pinions		Two		
Pinion adjustment (shim, other)		Shim		
Pinion bearing adj (shim, other)		Collapsible sleeve		
Driving wheel bearing type		Direct or single row cylindrical		
Lubricant	Capacity—L (pt.)	1.50" R.G.-1.6 (3.5); 8.75" R.G. 2.6 (5.4)		
	Type recommended	GL-5 gear lubricant		
	SAE viscosity number	Summer	80W or 80W-90	
		Winter	80W or 80W-90	
Extreme cold		80W or 80W-90		

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

Axle ratio or overall ratio (:1)		2.41	2.73	3.08
No. of teeth	Pinion	17	15	13
	Ring gear or gear	41	41	40
Ring gear O.D.	mm (in)	191 (7.50) (a)	(a) (b)	222 (8.75)
Transaxle	Transfer gear ratio	--		
	Final drive ratio	--		

- (a) Limited slip differential-222 (8.75)
- (b) Sedan & Coupe - 191 (7.50) - Sta. Wgn. -222 (8.75)
- (1) Interim availability-will replace '200-4R' with first usage of '700-R4'.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*)

Engine Description/Carb. Engine Code	3.8 Liter V6 (231 CID)	5.7 Liter V8 (350 CID)
	2-BBL. CARBURETOR	FUEL INJECTION DIESEL
	RPO LD5	RPO LF9

Drive Units - Automatic Transmission (See Power Teams for Transmission Usage)

Trade name		3-speed automatic	
Type (describe)		Torque converter with planetary gears	
		'350c'	'200-4R' (1)
Selector	Location	Steering column	
	Ltr./No designation	P-R-N-D-2-1	
Gear ratios	R	1.93	2.07
	D	1.00	1.00
	2	1.52	1.57
	1	2.52	2.74
	Overdrive	--	.67
Max upshift speed—drive range—km/h (mph)		--	
Max kickdown speed—drive range—km/h (mph)		--	
Min overdrive speed—km/h (mph)		--	61 (38)
Torque converter	Number of elements	3	
	Max ratio at stall	2.0	1.9
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	298 (11.75)	
Lubricant	Capacity—refill—L (pt)	3.0 (6.0)	
	Type recommended	Dexron II	
Special transmission features		Torque Converter Clutch Lock-Up	3rd gear 3rd & 4th gear

Drive Units - Axle or Front Wheel Drive Unit

Type (front, rear)		Rear		
Description		Semi-floating axle, overhung hypoid drive pinion and ring gear		
Limited slip differential, type		Disc clutch		
Drive pinion offset		7.50" R.G. - 38.1 (1.50); 8.75" R.G. - 44 (1.75)		
Drive pinion type		Hypoid gear		
No of differential pinions		Two		
Pinion adjustment (shim, other)		Shim		
Pinion bearing adj. (shim, other)		Collapsible sleeve		
Driving wheel bearing type		Direct or single row cylindrical		
Lubricant	Capacity—L (pt)	7.5" R.G. 1.5 (3.5); 8.75" R.G. - 2.4 (5.4)		
	Type recommended	GL-5 Gear lubricant		
	SAE viscosity number	Summer	80W or 80W-90	
		Winter	80W or 80W-90	
Extreme cold		80W or 80W-90		

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

Axle ratio or overall ratio		2.41	2.56	2.73	3.23
No of teeth	Pinion	17		15	
	Ring gear or gear	41		41	
Ring gear O D		191(7.50) (a)	222(8.75)	191(7.50) (a)	222 (8.75)
Transaxle	Transfer gear ratio				
	Final drive ratio				

(a) - Limited slip differential - 222 (8.75)
 (1) - Interim availability - will replace '350c' with first usage of '200-4R'.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

191 (7.50) RING GEAR	222 (8.75) Ring Gear
----------------------	----------------------

Drive Units -- Propeller Shaft -- Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	Not available	
	Manual 4-speed trans.	Not available	
	Manual 5-speed trans.	Not available	
	Overdrive	(+)	
	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 od.	29.858-29.883 (1.1755 - 1.1765)	29.845-29.850 (1.1750 - 1.1752)
Universal joints	Make and mfg. no.	Front	Saginaw 44
		Rear	--
	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)		Prepack	
Drive taken through (torque tube or arms, springs)		Control arm	
Torque taken through (torque tube or arms, springs)		Control arm	

* Centerline to centerline of universal joints, or to centerline of rear attachment.

(+) 4-Spd. Auto. w/overdrive (RPO MX0) is base with L39 on station wagons, required with LG4 for all models and available for coupes and sedans with L39 (Federal).

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Engine Description/Carb.
 Engine Code

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

Drive Units – Tires And Wheels (Standard)

Tires	Size, load range, ply	P205/75R15 (B/W, W/W)*	P225/75R15 (B/W W/W)*	
	Type (bias, radial, etc)	Steel Belted Radial		
	Inflation pressure (cold) for recommended max vehicle load	Front-kPa (psi)	240 (35)	165 (24)
		Rear-kPa (psi)	240 (35)	222 (32)
	Rev /mile—at 70 km/h (45 mph)	478 (769)	458 (738)	
Wheels	Type & material	Short spoke disc, steel		
	Rim (size & flange type)	15 x 6	15 x 7	
	Wheel offset	12.7 (0.50)	7.5 (0.30)	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	120.6 (4.75)	127.0 (5.00)
Number & size	5-7/16-20 UNF-2B Hex Nuts	5-1/2-20 UNF-2B Hex Nuts		
Spare tire and wheel (same or other)		16 x 4		

Drive Units – Tires And Wheels (Optional)

Size, load range, ply	P215/75R15 (W/W) (@)	
Type (bias, radial, etc)	Steel Belted Radial	
Wheel type & material	Short Spoke Disc, Steel	
Rim (size, flange type, and offset)	15 x 7; 7.5 (0.30) (+)	
Size, load range, ply	P225/70R15 (W/W) (+)	
Type (bias, radial, etc)	Steel Belted Radial	
Wheel type & material	Short Spoke Disc, Steel	
Rim (size, flange type, and offset)	15 x 7; 7.5 (0.30)	
Size, load range, ply		
Type (bias, radial, etc)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc)		
Wheel type & material		
Rim (size, flange type, and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)	Compact Spare T125/80D16	T145/80D16 Without limited slip differential T125/80D16 With limited slip differential T145/80D16

Brakes – Parking

Type of control	Foot Pedal Application; '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)	---

- * - Sealant tire option available with W/W tires.
- + - Requires RPO F41 sport suspension.
- @ - Nut available with RPO F41 sport suspension.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Body Type And/Or
 Engine Displacement

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

Brakes - Service

Brake type (std., opt., n.a.)	Drum	Front	Not available	
		Rear	Standard	
	Disc	Front	Standard	
		Rear	Not available	
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 low-vacuum warning switch added for '82 (a)	
Anti-skid device type (std., opt., n.a.)			Not available	
Effective area - cm ² (in ²)*			648 (100.5)	717 (111.1)
Gross lining area - cm ² (in ²)**			717 (111.1)	792 (122.9)
Swept area - cm ² (in ²)***			2127 (329.8)	2420 (375.1)
Rotor	Outer working diameter	F	279.1 (11.0)	301.2 (11.86)
		R	--	--
	Inner working diameter	F	177.8 (7.0)	197.4 (7.77)
		R	--	--
	Thickness	F	26.2 (1.03)	--
		R	--	--
	Material & type (vented/solid)	F	Cast iron, vented	--
		R	--	--
Drum	Diameter (nominal)	--	--	
	Type and material	241.3 (9.5)	279.4 (11.0)	
Wheel cylinder bore	Front	Cast iron, finned		
	Rear	74.7 (2.94)	23.81 (.9374)	
Master cylinder	Bore	22.22 (8.75)		
	Stroke	28.6 (1.13)		
Pedal arc ratio			39.6 (1.56)	
Line pressure at 445 N (100 lb) pedal load - kPa (psi)			3.5:1	
Lining clearance per shoe	Front	Self-adjusting		
	Rear	Self-adjusting		
Brake lining	Front wheel	Bonded or riveted, rivets/seg	Riveted; 8	
		Rivet size	5.33 x 9.12 (.210 x .359)	
		Manufacturer	Delco Moraine	
		Lining code		
		Material	Molded asbestos	
		Size	137 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)	
	Rear wheel	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		
		Material	Molded asbestos	
		Size	192.5x50.8x4.98(7.58x2.0x196) 225x50.8x5.6(8.86x2.0x0.22)	
Shoe thickness (no lining)		249.7x50.8x6.73(9.83x2.0x.265) 291x50.8x6.6(11.5x2.0x0.26)		
		Pri-7.6(.301);Sec-9.4(.370) Pri-8.3(.33);Sec.-913		

* Excludes rivet holes, grooves, chamfers, etc

** Includes rivet holes, grooves, chamfers, etc

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

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

(a) - Hydraulic booster on station wagon with RPO LF9 diesel engine

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) 4-82

COUPE & SEDAN		STATION WAGON
V3	V6	

Steering

Manual (std., opt., n.a.)		Not available			
Power (std., opt., n.a.)		Standard and includes quick prime feature			
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 (ft.)	Outside front	Wall to wall (l. & r.)	13.6 (44.6) 13.8 (45.3)		
		Curb to curb (l. & r.)	11.8 (38.7) 12.1 (39.7)		
	Inside rear	Wall to wall (l. & r.)	--		
		Curb to curb (l. & r.)	--		
Manual	Gear	Type	Not available		
		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	14:1	13/16:1
			Overall	18:1	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.))	+.05 to +0.25		
	Service reset	Caster	+3 ±0.5		
		Camber	+0.8 ± 0.5		
		Toe in	+.15 ± .05		
	Periodic M.V. inspection	Caster	+1 to +5		
		Camber	-0.7 to +2.3		
		Toe-in	-0.15 to +0.55		

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Body Type And/Or
 Engine Displacement

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

Suspension – General

Car leveling	Std./opt./n.a.	Opt. (Rear only)	
	Type (air, hyd. etc.)	Air	
	Manual/auto. controlled	Manual	
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 feet from each wheel centerline	
Shock absorber front & rear	Type	Direct, double acting, hydraulic	
	Make	Delco	
	Piston dia	25 (1.0)	
Other special features		None	

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.)	241.3x102.9x3347x15.8 (9.5x4.05x131.7x0.622)	241.3x114.3x2743.2x26.8 (9.5x4.50x108.0x0.660)
	Spring rate—N/mm (lb./in.)	52.5 (300)	77 (440)
	Rate at wheel—N/mm (lb./in.)	15.3 (87)	22 (125)
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	Steel-26 (1.0); 29(1.14) (a)	Steel-28 (1.1)

Suspension – Rear

Type and description		Salisbury 4-link	
Drive and torque taken through		Control arms	
Travel	Full jounce	127.7 (5.03)	101.1 (3.98)
	Full rebound	116.3 (4.58)	112.0 (4.41)
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel alloy	
	Size (length x width, coil design height & i.d., bar length & dia.)	254x139.7x2961.3x13.44 (10.0x5.5x116.6x0.529)	254x139.7x2585.7x15.5 (10.0x5.5x101.8x0.069)
	Spring rate—N/mm (lb./in.)	17.5 (100)	28.9 (165)
	Rate at wheel—N/mm (lb./in.)	18.9 (108)	28.7 (164)
	Mounting insulation type	--	
	If leaf	No. of leaves	--
	Shackle (comp. or tens.)	--	
Stabilizer	Type (link, linkless, frameless)	Link	None
	Material & bar diameter	Steel - 21.8 (0.86) (b)	--
Track bar type		None	

(a) Available only on station wagons
 (b) Used with RPO F41 sport suspension

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (#) _____

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

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Lacquer	
Hood hinge location (front, rear)	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 compartment lid open	Air springs	
Position of spare tire storage	Sedans and Coupes-horizontal front center of trunk compartment. Station wagons, vertical right rear quarter panels.	

Passive Restraint System

Inflatable restraint system	Standard/optional	--
	Type of charging system	--
	Location (sig. whl., instru panel, other)	--
Passive seat belts	Standard/optional	--
	Power/manual	--
	2 or 3 point	--
	Knee bar/lap belt	--

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Perimeter type, two crossmembers
---	----------------------------------

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

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

Convenience Equipment

Power windows	Side windows	Optional (Door Windows Only)	
	Vent windows	Not available	
	Backlight or tailgate	Not available	Standard
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		
Radio (specify type as well as availability)	Optional - AM push button, AM/FM push button, AM/FM Stereo, - AM/FM Stereo with 8-Track Tape (a)		
Rear seat speaker	Optional with AM and AM/FM Radios (Single/Dual)		
Power antenna	Optional (included with CB Radio)		
Clock	Standard 1BNO0 Models, Optional 1BL00 Models		
Air conditioner (specify type)	Optional - Four Season Manual Controls		
Speed warning device	Not available		
Speed control device	Optional		
Ignition lock lamp	Not available		
Dome lamp	Standard		
Glove compartment lamp	Standard		
Luggage compartment lamp	Standard	Optional-Rear Dome	
Underhood lamp	Optional		
Courtesy lamp	Standard 1BNO0 Models, Optional 1BL00 Models.		
Map lamp	Optional (2) in dome-lamp		
Cornering lamp	Optional		
Rear window defroster electrically heated	Optional		
Rear window defogger	Optional	Not available	
Theft protection—type	Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.		

(a) AM/FM stereo radio with citizens band transceiver.
 AM/FM stereo radio with cassette player.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) 4-82

Model	Vehicle Mass (weight)							SHIPPING MASS kg (weight, lb)**
	CURB MASS, kg. (weight, lb)*			% PASS MASS DISTRIBUTION				
	Front	Rear	Total	Pass In Front		Pass In Rear		
				Front	Rear	Front	Rear	
Impala								
4-Door Sedan-1BL69(a)	853.9 (1882)	734.3 (1619)	1588.2 (3501)					1526.9 (3366)
4-Door, 2-Seat (b) Station Wagon 1BL35	882.0 (1944)	955.6 (2107)	1837.6 (4051)					1784.7 (3934)
Caprice Classic								
4-Door Sedan-1BN69(a)	864.3 (1905)	745.0 (1642)	1609.3 (3547)					1548.0 (3413)
2-Door Coupe-1BN47(a)	857.6 (1891)	737.1 (1625)	1594.7 (3516)					1533.4 (3380)
4-Door, 3-Seat (b) Station Wagon-1BN35	889.3 (1960)	981.0 (2163)	1870.3 (4123)					1817.5 (4007)
(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 1982 Issued 8-81 Revised (*) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS kg (weight lb)			
	Front	Rear	Total	
Air Conditioning 4-Season	34.2 (+75.4)	1.6 (+3.5)	35.8 (+78.9)	1B169 & 1C3, V6
	33.2 (+73.2)	1.6 (+3.5)	34.8 (+76.7)	1BN47-69 & 1C3, V6
	27.0 (+59.5)	1.6 (+3.5)	28.6 (+63.0)	1B100 & 1D5, V6
	26.0 (+57.3)	1.6 (+3.5)	27.6 (+60.8)	1BN00 & 1D5, V6
	27.0 (+59.5)	1.6 (+3.5)	28.6 (+63.0)	1B100 & 1G4, 139, 1F9, V8
	26.0 (+57.3)	1.6 (+3.5)	27.6 (+60.8)	1BN00 & 1G4, 139, 1F9, V8
Electric Door Locks	1.0 (+2.2)	0.8 (+1.8)	1.8 (+4.0)	2-Door Models
	1.8 (+4.0)	1.4 (+3.1)	3.2 (+7.1)	4-Door Models
Power Front Seat 6-Way	2.6 (+5.7)	3.2 (+7.1)	5.8 (+12.8)	Used with AG1 or A42.
Floor Mats Front & Rear	2.0 (+4.4)	1.2 (+2.7)	3.2 (+7.1)	
Carpet - Load Floor	-0.4 (-0.9)	2.6 (+5.7)	2.2 (+4.8)	1B1 & 1BN35
Vinyl Roof Cover	1.2 (+2.7)	2.2 (+4.8)	3.4 (+7.5)	
Power Windows	1.0 (+2.2)	0.8 (+1.8)	1.8 (+4.0)	2-Door Models
	2.4 (+5.3)	2.6 (+5.7)	5.0 (+11.0)	4-Door Models
Wheel Trim Covers	0.6 (+1.3)	0.8 (+1.8)	1.4 (+3.1)	1B100 Model

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

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS. kg (weight lb)			
	Front	Rear	Total	
Covers - Simulated Wire Wheel	3.6 (+7.9)	3.6 (+7.9)	7.2 (+15.8)	
Covers - Deluxe Wheel Trim	4.2 (+7.3)	4.0 (+8.8)	8.2 (+18.1)	1BL69
	3.4 (+7.5)	3.4 (+7.5)	6.8 (+15.0)	1BN47-69
	1.8 (+4.0)	1.6 (+3.5)	3.4 (7.5)	1BL35
	1.0 (+2.2)	1.0 (+2.2)	2.0 (+4.4)	1BN35
Bumper Impact Strips	0.8 (+1.8)	0.8 (+1.8)	1.6 (+3.5)	
Bumper Guards	1.2 (+2.7)	1.2 (+2.7)	2.4 (+5.4)	1BL69, 1BN47-69.
	1.2 (+2.7)	1.0 (+2.2)	2.2 (+4.9)	1BA35
Radio AM Push button	3.2 (+7.1)	0.6 (+1.3)	.38 (+8.4)	
Radio AM/FM Pushbutton	3.8 (+8.4)	0.6 (+1.3)	4.4 (+9.7)	
Radio AM/FM Stereo	5.0 (+11.0)	2.2 (+4.8)	7.2 (+15.8)	
Radio AM/FM Stereo & 8-track Tape	5.6 (+12.4)	2.2 (+4.8)	7.8 (+17.2)	
Radio AM/FM Stereo with Cassette Tape	5.2 (+11.5)	2.2 (+4.8)	7.4 (+16.3)	

* 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 1982

Issued 8-81

Revised (*) 4-82

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 1B169 - 1B169	2-Door Coupe 1B147	Station Wagons 1B135 - 1B135

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	3291 (129.6)	4002 (157.6)	3291 (129.6)
Vehicle width — rear doors open	W121	3470 (136.6)	--	3426 (134.9)

Length

Wheelbase	L101	2945 (116.0)		
Vehicle length	L103	5386 (212.2)		5464 (215.1)
Overhang — front	L104	1030 (40.6)		
Overhang — rear	L105	1411 (55.6)		1489 (58.6)
Upper structure length	L123	2366 (91.3)	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 (frit./rear)	PD1.2.3		**	
Trunk/Cargo load			**	
Vehicle height	H101	1433 (56.4)		1475 (58.1)
Cowl point to ground	H114	1000 (39.4)		1007 (39.6)
Deck point to ground	H138			
Rocker panel front to ground	H112	233 (9.2)		240 (9.4)
Bottom of door closed - front to grd.	H133	295 (11.6)		
Rocker panel rear to ground	H111	242 (9.5)		250 (9.9)
Bottom of door closed - rear to grd.	H135	297 (11.7)	--	304 (12.0)

Ground Clearance **

Front bumper to ground	H102	307 (12.1)		312 (12.3)
Rear bumper to ground	H104	364 (14.3)		300 (11.8)
Bumper to ground — front at curb mass (wt.)	H103	333 (13.1)		
Bumper to ground — rear at curb mass (wt.)	H105	382 (15.0)		311 (12.2)
Angle of approach @ GVW	H106	16.7°		17.0°
Angle of departure @ GVW	H107	16.4°		18.0°
Ramp breakover angle @ GVW	H147	16.2°		14.3°
Rear axle differential to ground	H153	195 (7.7)		203 (8.0)
Min. running ground clearance	H156	162 (6.4)		170 (6.7)
Location of min. run. grd. clear.		Rear Shock Absorber Bracket		

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

** All vehicle height and ground clearances are made using EPA loaded vehicle weight, loading conditions.

EPA LOADED VEHICLE WEIGHT is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants

MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVROLET

Model Year 1982 Issued 8-81 Revised (*)

Body Type

SAE Ref. No.	4-Door Sedans	2-Door Coupe	Station Wagons
	1B169 1B169	1B147	1B135 1B135

Front Compartment

Sg RP front, "X" coordinate	L31	1078 (42.4)			
Effective head room	H61	1003 (39.5)	997 (39.2)	979 (38.5)	1005 (39.6)
Effective T Point head room	H75	1006 (39.6)	1000 (39.4)	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)	1546 (60.9)	1536 (60.5) 1546 (60.9)
Hip room	W5	1398 (55.0)			1400 (55.1)
** Upper body opening to ground	H50	--			
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)	964 (38.0)	999 (39.3)
Effective T Point head room	H76	969 (38.1)	963 (37.9)	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)	1490 (58.7)	1536 (60.5) 1548 (60.9)
Hip room	W6	1405 (55.3)	1464 (57.6)	1398 (55.0)	
** Upper body opening to ground	H51	--	--	--	

Luggage Compartment

Usable luggage capacity — L(cu. ft.)	V1	592 L (20.9 cu. ft.)	--
** Liftover height	M195	827 (32.6)	--

All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

ALL INTERIOR DIMENSIONS ARE MEASURED WITH THE SEATING REFERENCE POINT (SgRP) _____ mm (1 SEAT ADJUSTER NOTCH) FORWARD OF REARMOSEAT POSITION.

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) 4-82

Car and Body Dimensions See Key Sheets for definitions:

Body Type	SAE Ref. No.	Station Wagons	
		1BL35	1BN35

Station Wagon - Third Seat

Shoulder room	WB5	1240 (48.8)
Hip room	WB6	1109 (43.7)
Effective leg room	LB6	782 (30.8)
Effective head room	HB6	948 (37.3)
Effective Tpoint 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 bell-front	L204	2129 (83.8)
Cargo length at bell-second	L205	1222 (48.1)
Cargo width-wheelhouse	W201	1224 (48.2)
Rear opening width at floor	W203	1238 (48.7)
Opening width at bell	W204	1224 (48.2)
Max rear opening width above bell	W205	988 (38.9)
Cargo height	H201	755 (29.7)
Rear opening height	H202	729 (28.7)
Tailgate to ground height	H250	767 (30.2)
Front seat back to load floor height	H197	--
Cargo volume index-L (cu.ft.)	V2	2469L (87.2 cu. ft.) * 2488L (87.9 cu. ft.) *
Hidden cargo volume-L (cu.ft.)	V4	--

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-L (cu.ft.)	V3	--
Hidden cargo volume-L (cu.ft.)	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).

* V10 - Station wagon cargo volume index - second seat-up,
 1BL35 - 1417 (50.0), 1BN35 - 1428 (50.4)

MVMA Specifications Form

Passenger Car
METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVROLET
Model Year 1982 Issued 8-81 Revised (*) _____

Body Type

4-Door Sedans	2-Door Coupe	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	348 (13.7)	349 (13.7)
	** H183	325 (12.8)	332 (13.1)
Rear	W22	254 (10.0)	302 (11.9)
	L55	5533 (217.8)	5440 (214.2)
	H82	586 (23.1)	466 (18.2)
	H182	449 (17.7)	331 (13.0)
	** H164	431 (17.0)	319 (12.6)

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

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS
MVMA-C-82

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

Car Line CHEVROLET
 Model Year 1982 Issued 8-81 Revised (*) _____

Body Type	SAE Ref. No.	4-Door Sedans	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	5278 (818.1)	5567 (862.9)	4661 (722.5)
Total glass exposed surface area - cm ² (in ²)	S4	25901 (4014.7)	25181 (3903.1)	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*

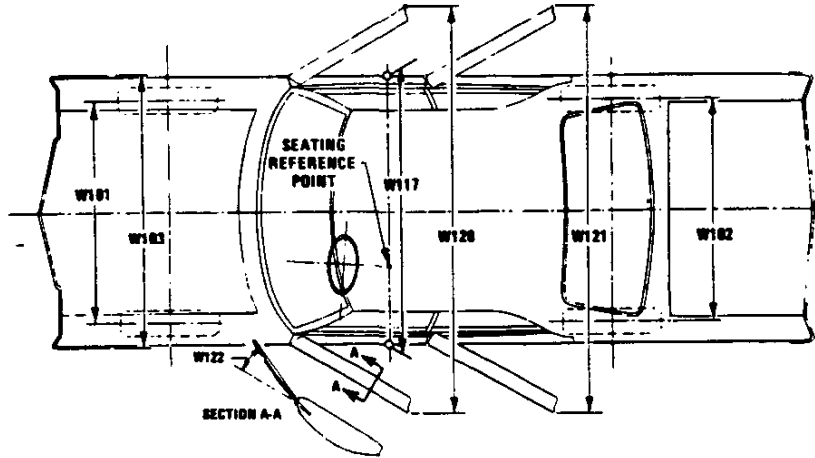
Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	685 (27.0)	690 (27.2)
		Lowest	684 (26.9)	689 (27.1)
	Taillamp (H128)	Highest	697 (27.4)	716 (28.2)
		Lowest	--	--
	Sidemarker	Front	632 (24.9)	637 (25.1)
		Rear	681 (26.8)	578 (22.7)
Distance from C/L of car to center of bulb	Headlamp	Inside	--	
		Outside**	--	
	Taillamp	Inside	--	
		Outside	--	
	Directional	Front	--	
		Rear	--	
Headlamp shape		Rectangular		

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

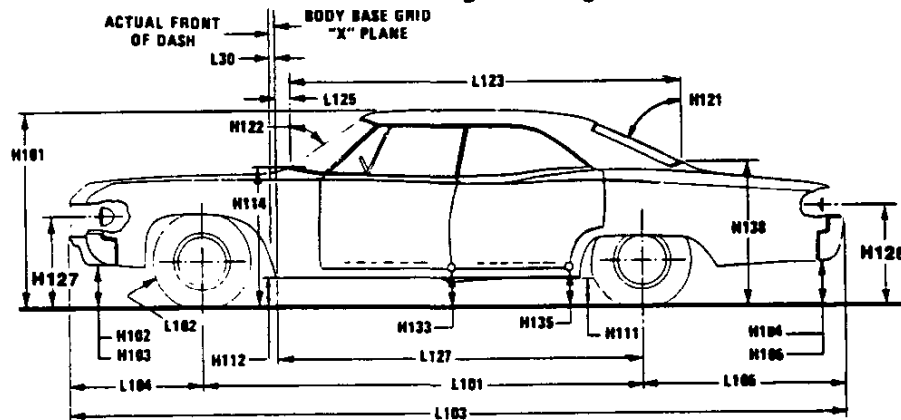
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

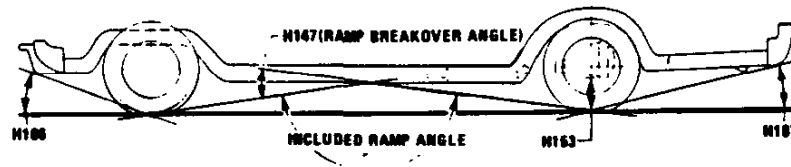
Exterior Width



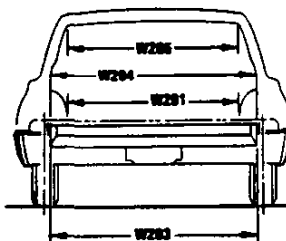
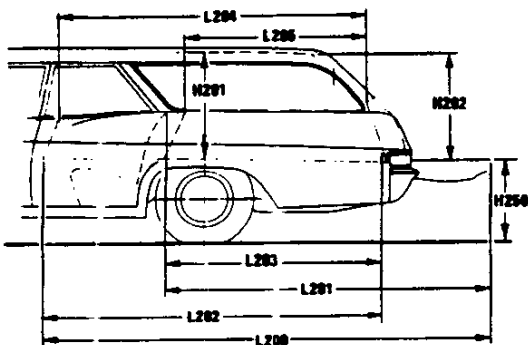
Exterior Length & Height



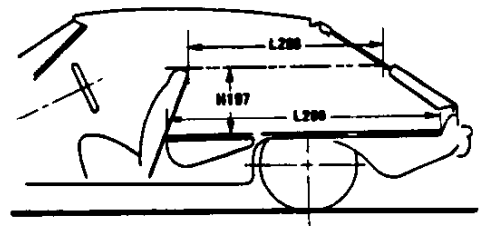
Exterior Ground Clearance



Cargo Space



Station Wagon

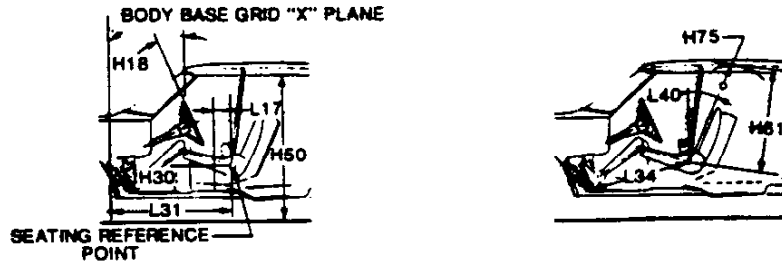


Hatchback

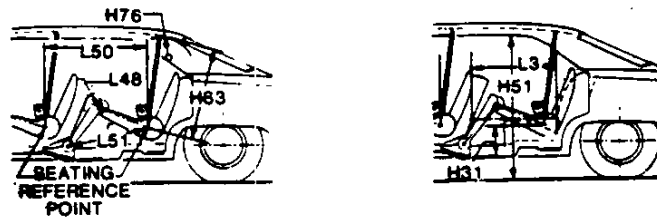
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

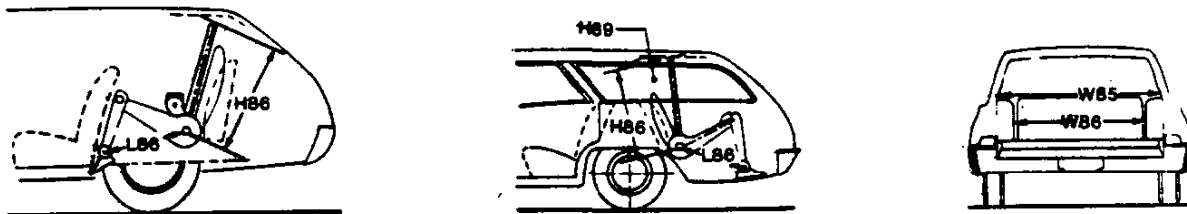
Front Compartment



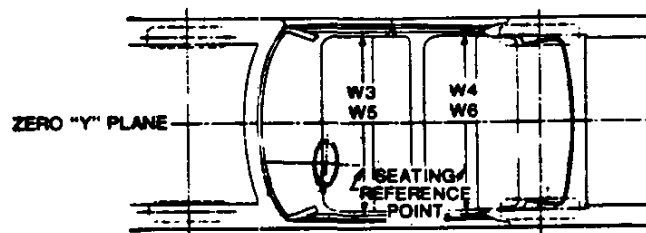
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

- Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- Has coordinates established relative to the design vehicle structure;
- Simulates the position of the pivot center of the human torso and thigh; and
- 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 in 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.
- H127 HEADLAMP TO GROUND—CURB WEIGHT. The dimensional measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB WEIGHT. The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

H103	FRONT BUMPER TO GROUND-CURB WEIGHT. Measured in the same manner as H104.	H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
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.	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.
H105	REAR BUMPER TO GROUND-CURB WEIGHT. Measured in the same manner as H104.	Rear Compartment Dimensions	
H106	ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.	PD2	PASSENGER DISTRIBUTION-SECOND.
H107	ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.	L50	SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
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.	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).
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.	H76	EFFECTIVE T-POINT HEAD ROOM-SECOND. Measured in the same manner as H75.
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.	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).
Front Compartment Dimensions		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.
PD1	PASSENGER DISTRIBUTION-FRONT.	L48	KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).
L31	SgRP-FRONT "X" COORDINATED.	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.
H61	EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining, plus 4.0 in. (102 mm).	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.
H75	EFFECTIVE T-POINT HEAD ROOM-FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).	W6	HIP ROOM-SECOND. Measured in the same manner as W5.
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.	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.
H30	SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP-front to the accelerator heel point.	Luggage Compartment Dimensions	
L17	DESIGN H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat trace positions.	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.
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.	H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.
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.	Station Wagon - Third Seat Dimensions	
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.	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.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Station Wagon – Cargo Space Dimensions

- L200** CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201** CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L202** CARGO LENGTH—CLOSED—FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- 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 the manufacturer's specifications for Design "H" Point).

- H197** FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- L208** CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209** CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3** HATCHBACK.
Measured in inches:
$$\frac{L208 + L209}{2} \times W4 \times H197$$

$$\frac{\hspace{10em}}{1728} = \text{ft.}^3$$

Measured in mm:
$$\frac{L208 + L209}{2} \times W4 \times H197$$

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Index

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