

**Specifications
Form
Passenger Car**

1981

METRIC (U.S. Customary)

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line CHEVROLET	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	Model Year 1981	Issued: SEPTEMBER, 1980
		Revised (*)

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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)

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The Metric unit of measurement is presented first, and the U.S. Customary unit follows in parentheses.
2. **UNLESS OTHERWISE INDICATED:**
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. A printed or computer tape supplement containing additional Car and Body Dimensions and/or drawings (based in part on SAE J1180a "Motor Vehicle Dimensions") may be available from the manufacturer.

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Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*) _____

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load — Kilograms (Pounds)	
			<u>Front</u>	<u>Rear</u>
<u>Impala</u>				
4-Door Sedan	1BL69	3	3	3
2-Door Coupe	1BL47	3	3	3
4-Door Station Wagon, 2-Seat	1BL35	3	3	3
<u>Caprice Classic</u>				
4-Door Sedan	1BN69	3	3	3
2-Door Coupe	1BN47	3	3	3
4-Door Station Wagon, 2-Seat	1BN35	3	3	3
<p>Note: Any specifications on the following pages that are specific to California requirements are indicated accordingly.</p>				

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Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 65° F and 29.38 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std first) (Indicate A/C ratio)
	Displ liters (in ³)	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM			
				kW (bhp)	Torque N-m (lb. ft.)		
Base - All exc. Calif. -Sed. & Cpe.	3.8	2	8.6:1	110	170	S	Auto '250c' - Base 2.73 -
Avail.-All exc. Calif. -Model 1BL47 w/RPO Z5A	(229)			@ 4200	@ 2000		Auto '350c' - Base 2.41 -
Base - Calif. Only -Sed. & Cpe.	3.8 (231)	2	8.0:1	110 @ 3800	190 @ 1600	S	Auto '350c' - Base 2.73 -
Avail. - All exc. Calif. -Sed. & Cpe.	4.4	2	8.3:1	115 @	200 @	S	Auto '200c' - Base 2.41 - (Auto '250c' - Base @)
Base - All exc Calif. -Sta. Wgn.	(267)			4000	2400		Auto '350c' - Base 2.73 - (Auto '250c' - Base @)
Avail. - All States -Sed. & Cpe. & Sta. Wgn.	5.0 (305)	4	8.6:1	150 @ 3800	240 @ 2400	S	Auto '200-4R' - Base 3.08
Avail. - All States -Sed. & Cpe	5.7	F.I. Die- sel	22.5:1	105 @	200 @	S	Auto '200c' - Base 2.41 -
-Sta. Wgn.	(350) **			3200	1600		Auto '350c' - Base 2.73 -
# - 'Base' & 'Available' refer to engine availability. @ - Manufacturing option. ** - Air conditioning mandatory - sedans and coupes California only; sta wagons, all (50) states. * - Limited slip differential and air conditioning available with all axle ratios.							

*S - Single D - Dual

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Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*) _____

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

Function (top to bottom)	No. 1. oil or comp.	Compression	
	No. 2. oil or comp.	Compression	
	No. 3. oil or comp.	Oil	
Compression	Description — Material, coating, etc.	Upper (A)	Cast alloy iron, radius face, chrome flash
		Lower (B)	Cast alloy iron, rev. twist, tapered face, lub.
	Width	1.96 - 1.98 (.0770 - .0780)	
	Gap	Upper	0.25 - 0.51 (.010 - .020) (C)
Oil	Description — material, coating, etc.	TRW 'T' flex design, 0.002" minimum chrome	
	Width	4.52 - 4.62 (.178 - .182)	
	Gap	0.25 - 0.89 (.010 - .035)	
Expanders		In oil ring assembly	

Engine — Piston Pins

Material	SAE - 1018		
Length	75.95 - 76.45 (2.990 - 3.010)		
Diameter	23.546 - 23.553 (.9270 - .9273)		
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bushing	In rod or piston	---
		Material	---
Clearance	In piston	.0013 - .0075 (.00005 - .00030) .0063-.0089(.00025-.00035)	
	In rod		
Direction & amount offset in piston	Major thrust side - 1.52 (.060)		

Engine — Connecting Rods

Material	1037 or 1038 steel	
Mass. g (weight. oz.)	388 (13.69)	
Length (center to center)	144.8 (5.70)	
Bearing	Material & Type	Premium aluminum
	Overall length	16.97 (.668) 20.24 (.797)
	Clearance (limits)	0.25-.063(.0010-.0015) .033-.089 (.0013-.0035)
	End Play	.15-.38(.006-.015) .15-.41(.006-.016)

- (A) Molybdenum filled channel, barrel faced.
 (B) Inside bevel, reverse tapered face, phosphate coated.
 (C) Lower - 3.8 & 4.4 Liter - 0.25 - 0.64 (.010-.025); 5.0 Liter - 0.33-0.63 (.013-.025).

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Car Make Chevrolet
 Model Year 1987 Issued 9-80 Revised (s)

Engine Description/Carb.
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LDE	5.7 Ltr. V8 (350 CID) Fuel Injection Diesel RPO LF9
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Engine — Piston Rings

Furn. term (top to bottom)	No. 1. oil or comp	Compression	
	No. 2. oil or comp	Compression	
	No. 3. oil or comp	Oil	
Compress sion	Description — Material, coating, etc	(A)	(B)
	Width	1.956-1.931 (.0770-.0780)	1.96-1.98 (.0770-.0780)
	Gap	0.25-0.51 (.010-.020)	0.38-0.63 (.015-.025)
Oil	Description — material, coating, etc	Stainless steel - 50	Spring steel, granoseal processed, chrome plated
	Width	.597-.622 (.0235-.0245)	0.597-0.660 (.0235-.0260)
	Gap	0.38-1.40 (.015-.055)	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	Floating
	Bushing	In rod or piston Material	Yes SAE #791 bronze
Clearance	In piston	.008-.023 (.0003-.0009)	.008-.013 (.0003-.0005)
	In rod	.018-.043 (.0007-.0017)	.008-.033 (.0003-.0013)
Direction & amount offset in piston	Major thrust side-.102 (.040)		None

Engine — Connecting Rods

Material	Cast arma steel	Steel SAE - 1140	
Mass (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)

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

(B) Upper - Cast iron with crowned molybdenum filled O.D. face, granoseal processed.
 Lower - Cast iron with tapered face.

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Engine Description / Carb.
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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Engine — Crankshaft

Material	Nodular cast iron		
Vibration damper type	Rubber mounted inertia		
End thrust taken by bearing (No.)	4	5	
Crankshaft end play	.051-.152 (.002-.006)	.051-.178 (.002-.007)	
Main bearing	Material & type	#1 - G66 Conecc; #2-4 - M400	
	Clearance	(A)	
	Journal dis. and bearing overall length	No. 1	62.202 x 20.37 (2.4489 x .802)
		No. 2	62.194 x 20.37 (2.4486 x .802)
		No. 3	62.194 x 20.37 (2.4486 x .802)
		No. 4	62.189-38.94
		No. 5	62.194 x 20.37 (2.4486 x .802)
		No. 6	---
No. 7		---	
Dir. & amt. cyl. offset			
No. bolts/main brg. cap	2		
Crankpin journal diameter	53.284-53.335 (2.0978-2.0998)	53.31-53.34 (2.099-2.100)	

Engine — Camshaft

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

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

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Car Make Chevrolet
 Model Year 1981 Issued 9-80 Revised (•) _____

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

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 M100 Conecc; #2-3-M400; #4-M100	#1-5 upper & #5 lower - M100; #1-4 lower - M400	
	Clearance	.008-.046 (.0003-.0018)		
	Journal dia and bearing overall length	No. 1	63.39 x 21.95 (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)	

Engine — Camshaft

Location		In block above crankshaft		
Material		Cast iron alloy	Cast iron conkoraill	
Bearings	Material	Steel backed babbitt	GM-4167M or GM-3381M	
	Number	4	5	
Gear, chain or belt		Chain		
Type of Drive	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
		Width	22.23 (.875)	14.48 (.570)
	Chain or Belt	Pitch	9.53 (.375)	12.7 (.500)

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Engine — Valve System

Hydraulic lifters (Std., opt., NA)		Standard				
Valve rotator, type (intake, exhaust)		Exhaust				
Push rods (dia., length, material)		7.9 x 196.2 (.3125 x 7.724) welded steel tubing				
Rocker ratio		1.50:1				
Operating tappet clearance (indicate hot or cold)	Intake	Zero				
	Exhaust	Zero				
Timing (based on top of ramp points)	Intake	Opens (*BTC)	42	44		
		Closes (*ABC)	78	76		
		Duration (deg.)	300	300		
	Exhaust	Opens (*BBC)	78	78		
		Closes (*ATC)	52	52		
		Duration (deg.)	310	310		
Valve open overlap (deg.)		94	96			
Intake Valve	Material		SAE-1541 or 1547 (A)	SAE-1541-H steel (A)	21-2N steel (C)	
	Overall length		124.52-125.03 (4.9024-4.9224)			
	Actual overall head dia.		46.7 (1.84)	43.7 (1.72)	46.7 (1.84)	
	Angle of seat & face (deg.)		46, 45			
	Seat insert material		None			
	Stem diameter		8.661-8.679 (.3410-.3417)			
	Stem to guide clearance		.025-.069 (.0010-.0027)			
	Lift (at zero lash)		9.47 (.373)	9.07 (.357)		
	Outer Spring press & length	Valve closed — N at mm (lb. at in.)	338-374 @ 43.2 (76-84 @ 1.70)			
		Valve open — N at mm (lb. at in.)	778 @ 31.7 (175 @ 1.25)			
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	Spring damper			
		Valve open — N at mm (lb. at in.)	Spring damper			
	Exhaust Valve	Material		21-2N steel, chrome flash stem		
		Overall length		124.71-125.02 (4.910-4.930)		
		Actual overall head dia.		38.1 (1.50)	35.1 (1.38)	38.1 (1.50)
Angle of seat & face (deg.)		46, 45				
Seat insert material		None				
Stem diameter		8.661-8.679 (.3410-.3417)				
Stem to guide clearance		.025-.069 (.0010-.0027)				
Lift (at zero lash)		10.41 (.4100)	9.91 (.3900)			
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.)	845 @ 31.7 (190 @ 1.25)	818 @ 31.7 (184 @ 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.
 (B) Full chrome.

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Make Chevrolet
 Model Year 1981 Tested 9-80 Revised to _____

Engine Description/Carb.
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	5.7 Ltr. V8 (350 CID) F.I. Diesel RPO LF9
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Engine — Valve System

Hydraulic lifters (Std opt. NA)		Standard			
Valve lifter 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 tappet clearance (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16	16	
		Closes (*ABC)	63	38	
		Duration (deg)	259	234	
	Exhaust	Opens (*BBC)	68	64	
		Closes (*ATC)	29	17	
		Duration (deg)	277	261	
Valve open overlap (deg.)		45	33		
Intake Valve	Material		1541 steel, chrome flash stem	21-2N, chrome flash stem	
	Overall length		119.33-120.09 (4.698-4.728)	127.47 (5.0185)	
	Actual overall head dia		43.43 (1.710)	47.498-47.752 (1.87-1.88)	
	Angle of seat & face (deg)		45	45, 46	
	Seat insert material		None		
	Stem diameter		8.64-8.66 (.3402-.3412)	8.700-8.717 (.3425-.3432)	
	Stem to guide clearance		.038-.089 (.0015-.0035)	.025-.069 (.0010-.0027)	
	Lift (at zero lash)		9.47 (.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	---	

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Car Line Chevrolet
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Engine Description/Carb.
 Engine Code

3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Splash & nozzle	Centrifugally oiled
Cylinder walls	Splash	Pressure, jet cross sprayed	
Oil pump type	Gear		
Normal oil pressure-kPa (psi) at engine rpm	310 (45)		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part other)	Full flow		
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)		
Oil grade recommended (SAE viscosity and temperature range)	20W-20, 10W-30, 10W-40, 20W-40, 20W-50		
Minus 6.6°C (20°F) & Above	10W, 5W-30, 10W-40, 10W-30		
Minus 17.7°C to + 15.5°C (0 to 60°F)	5W-20, 10W-30		
Minus 6.6°C (20°F) & Below			
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	50.8 (2.0)	
	Main O.D., wall thickness	57.15 (2.25)	
	Material	Laminated stainless steel tubing	
Inter-mediate Pipe	O.D. & wall thickness	57.15 (2.25)	50.8 (2.0) 57.15 (2.25)
	Material	Aluminized steel tubing	
Tail Pipe	O.D. & wall thickness	50.8 (2.0) 57.15 (2.25)	
	Material	Aluminum coated tubing	

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Model Year 1981

Issued 9-80

Revised (e)

Engine Description/Carb.
 Engine Code

3.8 Ltr. V6 (231 CID) 2-Bbl. Carburetor RPO LD5	5.7 Ltr. V8 (350 CID) Fuel Injection Diesel RPO LF9
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Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash 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 cr/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 (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	SE/CC or SE/CD

Engine — Exhaust System

Type (single, single with cross-over, dual, other)	Single w/crossover	
Muffler No. & Type (reverse flow, straight thru, separate resonator)	One, reverse flow	
Resonator No. & type	None	
Exhaust Pipe	Branch O.D. wall thickness	50.8 (2.0)
	Main O.D. wall thickness	63.5 (2.50)
	Material	Laminated stainless steel tubing
Intermediate Pipe	O.D. & wall thickness	50.8 (2.0)
	Material	
Tail Pipe	O.D. & wall thickness	50.8 (2.0) 57.15 (2.25)
	Material	Aluminum coated tubing

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Engine Description/Carb.
 Engine Code

3.8 Ltr V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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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.)	Electric	Mechanical		
	Location on engine	Lower right front			
	Pressure range — kPa (psi)	31-41 (4.5-6.0)	52-62 (7.5-9.0)		
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank & paper filter element in carburetor inlet			
	Locations				
Carburetor	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		600	500	500	
Idle A/F mix.		(A) Diesel sedan/coupe - 102 (27.0).			

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in. ³)	Transmission	Carburetors		No. Used and Type (Barrels)	Barrel Size
			Make	Model		
Sedan & Coupe	3.8 (229)	Automatic	Rochester	17081130	One-2-bbl.	Pri.-35.1(1.38) Sec.-35.1(1.38)
Sedan, Coupe & Station Wagon	4.4 (267)	Automatic	Rochester	17081138	One-2-bbl.	Pri.-35.1(1.38) Sec.-35.1(1.38)
	5.0 (305)	Automatic	Rochester	17081202	One-4-bbl.	Pri.-35.1(1.38) Sec.-57.2(2.25)

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)

Lat. Line _____
 Model Year 1991 Issued 9-89 Revised #1 _____

Engine Description/Carb.
 Engine Code

3.8 Ltr. V6 (231 CID)	5.7 Ltr. V8 (350 CID)
2-Bbl. Carburetor	Fuel Injection Diesel
RPO LD5	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) — Sed. & Cpe; 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	
	Location	on engine	Lower right front	
	Pressure range — kPa (psi)	29-40 (4.25-5.75)	38-45 (5.5-6.5)	
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank & paper filter element in carburetor inlet		
	Locations			
Carburetor	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		
Automatic		500		
Mile A/F mix.				

Carburetor Supplementary Information

Model Usage	Engine Disp. — L (in ³)	Transmission	Carburetors		No. Used and Type (Barrels)	Barrel Size
			Make	Model		
Sedan & Coupe	3.8 (231)	Automatic	Rochester	17081198	One-2-bbl.	Pri.-36.5 (1.4375) Venturi-30.9 (1.218)

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 1981 Issued 9-80 Revised (*)

Engine Description/Carb. Engine Code	3.8 Ltr. V6 (229 CID) 2-Bbl. Carburetor RPO LC3	4.4 Ltr. V8 (267 CID) 2-Bbl. Carburetor RPO L39	5.0 Ltr. V8 (305 CID) 4-Bbl. Carburetor RPO LG4
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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.			
	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.			
	Fan cut-out type	Thermostatically controlled clutch w/AC		
	Drive Type-Number of Fans	V-belt - one		

(*) Base Transmission
 (b) S.W. w/RPO L39 engine - 25.0 (0.98)
 (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 1981 Issued 9-80 Revised (a)

Engine Description/Carb Engine Code	3.8 Ltr. V6 (231 CID)	5.7 Ltr. V8 (350 CID)
	2-Bbl. Carburetor	Fuel Injection Diesel
	RPO LD5	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	One (1)			
	Number of pumps	V-belt			
	Drive (V belt, other)	Sealed double row ball			
	Bearing Type	External			
Bypass recirculation type (inter., ext.)					
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)		Cross flow, tube & center			
Cooling System Capacity (a)	With heater — L (qt) (*)	11.16 (11.79)	15.51 (16.39)		
	Without heater — L (qt)	Heater standard equipment			
	(e) 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 core	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)	668 (26.3)	718.8 (28.3)
		Height	431.0 (17.0)	429.7 (16.9)	431.0 (17.0)
		Thickness	31.5 (1.24)	40.2 (1.58)	49.8 (1.96)
	A/C	Width	528.3 (20.8)	668 (26.3)	718.8 (28.3)
		Height	431.0 (17.0)	429.7 (16.9)	431.0 (17.0)
		Thickness	31.5 (1.24)	40.2 (1.58)	49.8 (1.96)
	Heavy duty	Width	528.3 (20.8)	668 (26.3)	718.8 (28.3)
		Height	431.0 (17.0)	429.7 (16.9)	431.0 (17.0)
		Thickness	31.5 (1.24)	40.2 (1.58)	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			
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				
	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
- (e) With Air Conditioning

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

Car Line Chevrolet
 Model Year 1981 Issued 9-80 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
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Vehicle Emission Control

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air injection w/computer command control	
	Air Injection Pump	Type		
		Displacement — cm ³ (in ³)		
		Drive ratio		
		Drive type		
		Relief valve (type)		
	Air Injection System	Filter (describe)		
		Air distribution (head, manifold, etc.)	Exhaust pipe	
		Point of entry	Exhaust pipe	
		Injection tube i.d.		
		Check valve type	Pressure plate system	
	Exhaust Gas Recircula- tion System	Backfire protection (type)	Diverter valve	
		Type (controlled flow, open orifice, other)	Controlled flow	
		Valve type	Vacuum modulated shut-off & metering valve	
		Valve location	Inlet manifold - right rear	
		Control energy source	Carburetor vacuum	
		Exhaust source	Manifold exhaust crossover	
		Exhaust cooler type	None	
	Catalytic Converter System	Orifice no. and size	One	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold	
		Catalyst	Type	Platinum - palladium
			Volume — L (in ³)	4.1 (250)
	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 Make Chevrolet
 Model Year 1981 Issued 9-80 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
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Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction system		
			Optional			
	Control Unit	Make and model		AC		
		Location		Rr. of inlet mani.	LF valve rocker cover	
		Energy source (manifold vacuum, carburetor, other)		Manifold vacuum		
	Complete System	Control method (variable orifice, fixed orifice, other)		Variable orifice		
Discharges (to intake manifold, other)		Inlet manifold				
Air inlet (breather cap, other)		Carburetor air cleaner				
Evaporative Emission Control	Flame arrestor (screen, other)		Screen			
	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- eter	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 1981 Issued 9-80 Revised (•) _____

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

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	1103162	
	Type and rating	37	55	55	
	Output at engine idle (neutral) A				
Ratio — Gen. to Cr/s 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		1109524	1109064	
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)

Make Chevrolet
 Model Year 1977 Period 9-80 Revised (a)

Engine Description/Carb Engine Code	3.8 Liter V-6 (231 CID) 2-Bbl. Carburetor	5.7 Liter V-8 (350 CID) Fuel Injection Diesel
	RPC LD5	RPO LF9

Electrical — Supply System

Battery	Make and Model	Delco 'Freedom 11'		
	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	1103186	
	Type and rating	42	42	
	Output at engine idle (neutral) A			
Regulator	Ratio — Gen. to Crs. rev	2.36:1	2.73:1	
	Make	Delco Remy		
	Model	---		
	Type	Micro circuit unit; integral with distributor		
Voltage reg. condi- tions	Regu- lated	Voltage		
		Current A		
	Voltage reg. condi- tions	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 1981 Issued 9-80 Revised (*) _____

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
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Electrical — Ignition System — Distributor

Distributor	Manual	---			
	Automatic	1110754	1111386	1103443	
Timing	Manual	---			
	Automatic	6° BTC	15° BTC	6° BTC	6° BTC

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1103443	DOES NOT APPLY				
1110754	0° @ 1200	11° @ 2400	18° @ 4100	0° @ 0.1	16° @ 21.9

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

Car Line Chevrolet
 Model Year 1981 Issue No. 9-80 Revised (*)

Engine Description/Carb.
 Engine Code

3.0L V-6 2-Bbl. Carb.	3.0L V-6 2-Bbl. Carb.	4.4L V-8 2-Bbl. Carb.	5.0 V-8 4-Bbl. Carb.	5.7L V-8 F.I. Diesel
RPO LC3	RPO LD5	RPO L39	RPO LG4	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		A.C.		
	Model		R45TS	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	
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Electrical — Instruments and Equipment

Speedometer	Type	Rectangular dial with pointer
	Trip odometer (std., opt., N.A.)	Optional
EGR maintenance indicator	Type	NA
Charge Indicator	Type	Tell-Tale
	Warning device	NA
Temperature Indicator	Type	Tell-Tale
	Warning device	NA
Oil pressure Indicator	Type	Tell-Tale
	Warning device	NA
Fuel Indicator	Type	Electric Gauge
	Warning device	NA
Windshield Wiper	Type — standard	Electric, Two-Speed
	Type — optional	Intermittent 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)
Windshield Washer	Type — standard	Push-Button
	Type — optional	NA
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	Dual-1800 models; one (low note) on 1800 models 4.5-6.5 @ 12.5 Volts
Other	Restraint system warning light and buzzer. Parking brake and brake failure warning light. Fuel economy (vacuum) and coolant temperature gauges trip odometer in optional pack	

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

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*) _____

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 L64	5.7L V-8 F.I. Diesel RPO LF9
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Drive Units — Clutch (Manual Transmission)

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

Drive Units — Transmissions

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

Drive Units — Manual Transmission

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

SAE Specifications Form
Passenger Car
SAE J100 (U.S. Customary)

For Use Chevrolet
 Model Year 1981 Model 9-80 Revision (*)

Engine Description/Code	3.0 Ltr. V6(225 CID)	4.4 Ltr. V8(267 CID)	5.0 Ltr. V8(305 CID)
Engine Code	2-Bbl. Carburetor RPO LC3	2-Bbl. Carburetor RPO L39	4-Bbl. Carburetor RPO LG4

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

Type Code	3-Speed Automatic			
Type Description	Torque converter with planetary gears			
	'200c'	'250c'	'350c'	'200-4R'
Location	Steering column			
Car. No. Designation	P-R-N-D-2-1			P-R-N-3-2-1
Gear Ratio	R	2.07	1.93	2.07
	D	1.00	1.00	.67
	2	1.57	1.52	1.00
	1	2.74	2.52	1.57
				2.74
Max. upshift speed — drive range — rev/m (mph)				
Max. holdover speed — drive range — rev/m (mph)				
Min. overdrive speed — rev/m (mph)	---			61 (38)
Torque Converter	Number of elements 3			
	Max. ratio at stall 2.35 2.0 1.9			
	Type of coating (oil, metal) Liquid			
Lubricant	Nominal diameter — BHN (in) 298 (11.75)			
	Capacity — rev/m — L (qt.) 3.3 (7.0) 2.8 (6.0)			
Special transmission features	Torque converter clutch lock-up		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); 8.50 & 8.75" R.G. - 44 (1.75)		
Drive pinion type	Hypoid gear		
No. of differential pinions	Two		
Shim adjustment (shim, other)	Shim		
Pinion loading oil (shim, other)	Collapsible sleeve		
Pinion shaft bearing type	Direct or single row cylindrical		
Lubricant	Capacity — L (qt.) 7.50" RG - 1.6 (3.5); 8.50" RG - 2.0 (4.25); 8.75" RG 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	

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

Axis Ratio or Overall Ratio (:1)	2.41	2.73	3.08
No. of Gear	Pinion	15	13
	Ring gear or gear	41	40
Ring Gear O.D. — BHN (in)	191 (7.50) (a)	(a) (b)	222 (8.75)
Transaxle	Transfer Gear Ratio		
	Final Drive Ratio		

- (a) Limited slip differential - 216 (8.50) Sedan & Coupe
- (b) Sedan & Coupe - 191 (7.50); Sta. Mgn. - 222 (8.75)

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

Car Line **Chevrolet**
 Model Year **1981** Based **7-80** Revised (*)

Engine Description/Carb. Engine Code	3.8 Ltr. V6 (231 CID) 2-8b1. Carburetor RPO L05	5.7 Ltr. V8 (350 CID) Fuel Injection Diesel RPO LF9
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Drive Units — Automatic Transmission

Trade name	3-speed automatic	
Type (describe)	torque converter with planetary gears '350c'	
Selector	Location	Steering column
	Ltr.No. Designation	P-R-N-D-2-1
Gear Ratios	R	1.93
	D	1.00
	2	1.52
	1	2.52
Max. uphill speed — drive range — km/h (mph)		
Max. kickdown speed — drive range — km/h (mph)		
Min. overdrive speed — km/h (mph)		
Torque Converter	Number of elements	3
	Max. ratio at stall	2.0
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity — refill — L (pt.)	3.0 (6.0)
	Type recommended	Dexron II
Special transmission features	Torque Converter Clutch Lock-up	3rd 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); 8.50 & 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" RG - 1.7 (3.5); 8.5" RG - 1.9 (4.25); 8.75" RG - 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 Trains" for axle ratio usage.)

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

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

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (R)

Engine Description/Carb. Engine Code	191 (7.50) Ring Gear	216 (8.50 & 222 (6.75) Ring Gear
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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.	N.A.		
	Manual 4-speed trans.	N.A.		
	Manual 5-speed trans.	N.A.		
	Overdrive	N.A.		
	Automatic transmission	69.9 x 1489.2 x 1.65 (2.75 x 58.63 x .065)	69.9 x 1464.2 x 1.65 (2.75 x 57.65 x .065)	
Intermediate bearing	Type (plain, anti-friction)	None		
	Lubrication (fitting prepack)	---		
Slip Yoke	Type	Yoke		
	Number of teeth	27		
	Spline O.D.	29.858-29.883 (1.1755 - 1.1765)	29.845-29.850 (1.1750 - 1.1752)	
Universal joints	Make and Mfg. No.	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			

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

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

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (+)

Engine Description/Carb.
 Engine Code

Coupe & Sedan	Station Wagon
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Drive Units — Tires And Wheels (Standard)

TIRES		P205/75R15 (B/W, W/W)*	P225/75R15 (B/W W/W)*
Size, load range, ply			
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		Short spoke disc, steel	
Type & material			
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) (θ)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
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		
Rim (size, flange type, and offset)		
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)		
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 T129/80D16 With limited slip differential - T155/90D16 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 escape 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.
- (θ) - Not available with RPO F41 sport suspension.

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Car Line Chevrolet
 Model Year 1981 Issue 9-80 Revised (x)

Body Type And/Or Engine Displacement

Sedan & Coupe	Station Wagon
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Brakes — Service

Brake Type (Std., Opt., N.A.)	Drum	Front	N.A.	
		Rear	Std.	
	Disc	Front	Std.	
		Rear	N.A.	
Self-adjusting (std., opt., N.A.)			Std.	
Special Lining	Type (proportion, delay, metering, other)		Metering & proportioning	
Power Brake (std., opt., N.A.)			Std.	
Booster Type (remote, integral, vvc., hyd., etc.)			Integral (0)	
Anti-skid device type (std., opt., N.A.)			N.A.	
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	279.4 (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)	241.3 (9.5)		279.4 (11.0)
	Type and material	Cast iron, finned		
Wheel cyl- inder bore	Front	74.7 (2.94)		
	Rear	22.22 (8.75)	23.81 (.9374)	
Master Cylinder	Bore	28.6 (1.13)		
	Stroke	39.6 (1.56)		
Pedal arc ratio			3.5:1	
Line pressure at 445 N (100 lb.) pedal load—MPa (psi)				
Lining Clearance Per Shoe	Front	Self-adjusting		
	Rear	Self-adjusting		
Brake Lining	Front Wheel	Bonded or riveted, rivets/seg.	Riveted; 8	
		Rivet size	5.33 x 9.12 (.210 x .359)	
		Manufacturer	Delco Moraine	
		Lining Code		
		Material	Molded asbestos	
	Rear Wheel	**** Prim. or out-board	137 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)	
		**** Size Second or in-board	137 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)	
		Shoe thickness (no lining)	Inboard - 15.75 (.620); Outboard - 14.0 (.550)	
		Bonded or riveted, rivets/seg.	Riveted; 10 - primary, 12 - secondary	
		Manufacturer	Inlite	
Front Wheel	Material	Molded asbestos		
	**** Prim. or out-board	192.5x50.8x4.98(7.58x2.0x.196)	225x50.8x5.6(8.86x2.0x0.22)	
	**** Size Second or in-board	249.7x50.8x6.73(9.83x2.0x.265)	291x50.8x6.6(11.5x2.0x0.26)	
	Shoe thickness (no lining)	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 width 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 **1981** Issued **9-80** Revised ()

Coupe & Sedan		Station Wagon
V8	V-6	

Steering

Manual (std., opt., N.A.)		N.A.		
Power (std., opt., N.A.)		Std.		
Adjustable steering wheel (Std., swing, other)	Type and description	Tilt - universal jointed steering shaft at base of steering wheel - 6 position		
	(Std., opt., N.A.)	Opt.		
Wheel diameter	Manual	--		
	Power	387 (15.25)		
Turning diameter in (feet)	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		
	Ratio	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	
		Ratio	Gear	14:1
		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 (opt.)	Service checking	Caster (deg.)		
		Camber (deg.)		
		Toe-in (outside track-arm (in.))		
	Service reset	Caster		
		Camber		
		Toe-in		
	Periodic M.V. inspection	Caster		
		Camber		
Toe-in				

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

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*) _____

Body Type

4-Door Sedan	2-Door Coupe	4-Door Station Wagon
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Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Lacquer	
Hood	Rear	
Hood counterbalance (type)	4-Link type with spiral spring	
Hood release control (internal, external)	Internal	
Vehicle Ident. No. Location	Top left hand instrument panel pad	
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	Formed full foam pad
Seat back type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd Seat	Formed full foam pad
Method of holding luggage 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 panel	

Passive Restraint System

Inflatable Restraint System	Standard/Optional	
	Type of charging system	
	Location (stg. 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 cross members
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MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Carline 9-100-1
 Model Year 1981 Model Code 9-20 Revised

6-30 T-2

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

Power windows	Side Windows	Optional (Door windows only)	
	Vent Windows	N.A.	
	Backlight or tailgate	N.A.	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		
Radios (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 radio (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, (b)		
Speed warning device	N.A.		
Speed control device	Optional		
Ignition lock lamp	N.A.		
Dome lamp	Standard		
Glove compartment lamp	Standard		
Luggage compartment lamp	Standard		Optional-rear dome
Underhood lamp	Optional		
Courtesy lamp	Standard 1BNO0 models, optional 1BL00 models		
Map lamp	Optional (?) in dome lamp		
Cornering lamp	Optional		
Rear window defroster electrically heated	Optional		
Rear window defogger	Optional		N.A.
Theft protection - type	Lock mounted on steering column; locks steering wheel, transmission shift lever and ignition		

(a) AM/FM stereo radio with citizen's band transceiver.
 AM/FM stereo radio with cassette tape player.

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

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Passenger Car
METRIC (U.S. Customary)

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*)

Model	Vehicle Mass (Weight)							SHIPPING MASS kg (Weight ID)**
	CURB MASS. kg. (Weight. lb.)*			% PASS. MASS DISTRIBUTION				
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
			Front	Rear	Front	Rear		
IMPALA	850.3	731.5	1581.8					1520.5
4-Door Sedan - 1BL69 (a)	(1875)	(1613)	(3488)					(3352)
2-Door Coupe - 1BL47 (a)	844.7	724.6	1569.3					1508.0
	(1862)	(1597)	(3459)					(3324)
4-Door, 2-Seat (b)	883.6	936.0	1819.6					1766.8
Station Wagon - 1BL35	(1948)	(2063)	(4011)					(3895)
CAPRICE CLASSIC	864.9	745.5	1610.4					1549.1
4-Door Sedan - 1BN69 (a)	(1907)	(1643)	(3550)					(3415)
2-Door Coupe - 1BN47 (a)	852.5	733.2	1585.7					1524.5
	(1879)	(1616)	(3495)					(3361)
4-Door, 2-Seat (b)	891.6	947.3	1838.9					1786.1
Station Wagon - 1BN35	(1966)	(2088)	(4054)					(3938)
(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 1961
 Edition 9-80
 Revised (*)

Equipment	Optional Equipment Differential Mass (Weight)*			Remarks
	MASS, kg (Weight, lb)			
	Front	Rear	Total	
Air Conditioning Comfortron	28.2 (+62.2)	1.8 (+4.0)	30.0 (+66.2)	With V8 engine only
Air Conditioning 4-Season	34.2 (+75.4)	1.6 (+3.6)	35.8 (+79.0)	1BL47-69 & LC3, V6
	33.2 (+73.2)	1.6 (+3.6)	34.8 (+76.8)	1BL47-69 & LC3, V6
	27.0 (+59.6)	1.6 (+3.6)	28.6 (+63.2)	1BL00 & LD5, V6
	26.0 (+57.4)	1.6 (+3.6)	27.6 (+61.0)	1BN00 & LD5, V6
	27.0 (+59.6)	1.6 (+3.6)	28.6 (+63.2)	1BL00 & LG4, L39, LF9, V8
	26.0 (+57.4)	1.6 (+3.6)	27.6 (+61.0)	1BN00 & LG4, L39, LF9, 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 (+3.0)	3.2 (+ 7.0)	4-Door Models
Power Front Seat 6-Way	2.6 (+ 5.8)	2.6 (+5.8)	5.2 (+11.6)	Used with AG1 or A42
Floor Mats Front & Rear	2.0 (+ 4.4)	1.3 (+2.8)	3.3 (+ 7.2)	
Carpet - Load Floor	-0.4 (-0.8)	2.6 (+5.8)	2.2 (+ 5.0)	1BL & 1BN35
Vinyl Roof Cover	1.2 (+ 2.6)	2.4 (+5.2)	3.6 (+ 7.8)	
Power Windows	1.0 (+ 2.2)	0.8 (+1.8)	1.8 (+ 4.0)	2-Door Models
	2.4 (+ 5.2)	2.6 (+5.8)	5.0 (+11.0)	4-Door Models
Wheel Trim Covers	0.6 (+ 1.4)	0.8 (+1.8)	1.4 (+ 3.2)	1BL00 Models

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

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Passenger Car
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Car Line **Chevrolet**
 Model Year **1981**

Issued **9-80**

Revised (*)

Equipment	Optional Equipment Differential Mass (Weight)*			Remarks
	MASS. kg (Weight. lb.)			
	Front	Rear	Total	
Covers - Simulated	3.6	3.6	7.2	1BN47-69 & F41
Wire Wheel	(+ 8.0)	(+8.0)	(+16.0)	
	6.0	6.0	12.0	1BN47-69
	(+13.2)	(+13.2)	(26.4)	
	3.6	3.6	7.2	
	(+ 8.0)	(+8.0)	(+16.0)	1BN35
Covers - Deluxe	4.2	4.0	8.2	
Wheel Trim	(+ 9.2)	(+8.8)	(+18.0)	1BL47-69
	3.4	3.4	6.8	1BL47-69
	(+ 7.4)	(+7.4)	(+14.8)	
	1.8	1.6	3.4	1BL35
	(+ 4.0)	(+3.6)	(+ 7.6)	
	1.0	1.0	2.0	1BN35
	(+ 2.2)	(+2.2)	(+ 4.4)	
Bumper Impact Strips	0.8	0.8	1.6	
	(+ 1.8)	(+1.8)	(+ 3.6)	
Bumper Guards	1.2	1.2	2.4	1BA47-69
	(+ 2.6)	(+2.6)	(+ 5.2)	
	1.2	1.0	2.2	1BA35
	(+ 2.6)	(+2.2)	(+ 4.8)	
Radio AM Push-Button	2.6	0.6	3.2	
	(+ 5.8)	(+1.4)	(+ 7.2)	
Radio AM/FM Push-Button	3.2	0.6	3.8	
	(+ 7.0)	(+1.4)	(+ 8.4)	
Radio AM/FM Stereo	5.0	2.2	7.2	
	(+11.0)	(+4.8)	(+15.8)	
Radio AM/FM Stereo & Tape	5.6	2.2	7.8	
8-Track	(+12.4)	(+4.8)	(+17.2)	
Radio AM/FM Stereo With	5.2	2.2	7.4	
Cassette Tape	(11.4)	(+4.8)	(+16.2)	

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

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

GM Corp. Chevrolet
 Model Year 1987 Issued 9-80 Revised (*)

Equipment	Optional Equipment Differential Mass (Weight)*			Remarks
	MASS (g. Weight, lb.)			
	Front	Rear	Total	
Radio AM/FM Stereo with Citizens Band Transvr.	5.2 (+11.4)	2.2 (+4.8)	7.4 (+16.2)	
Auxiliary Speaker	0 (0)	1.0 (+2.2)	1.0 (+2.2)	
Dual Speakers	0 0	0.8 (+1.8)	0.8 (+1.8)	1BA00 with U63 & U69
Roof Luggage Carrier	0 (0)	8.8 (+19.4)	8.8 (+19.4)	1BL & 1BN35
Sport Suspension Equipment	3.0 (+6.6)	11.4 (+25.2)	14.4 (+31.8)	
267 CID V8 Engine RPO L39	54.8 (+120.8)	5.0 (+11.0)	59.8 (+131.8)	1BL & 1BN47, 69
305 CID V8 Engine RPO LG4	47.6 (+105.0)	3.6 (+8.0)	51.2 (+113.0)	1BL & 1BN47, 69
	-7.0 (-15.4)	-1.0 (-2.2)	-8.0 (-17.6)	1BL & 1BN35
350 CID V8 Engine RPO LF9 (Diesel)	157.6 (+347.4)	13.6 (+30.0)	171.2 (+377.4)	1BL47, 69
	155.6 (+343.0)	10.8 (+23.8)	166.4 (+366.8)	1BN47, 69
	117.8 (+259.8)	9.4 (+20.8)	127.2 (+280.6)	1BL35
	116.2 (+256.2)	6.4 (+14.2)	122.6 (+270.4)	1BN35

*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 1981 Issued 9-80 Revised (*) _____

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

Body Type

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

Length

Wheelbase	L 101	2945 (116.0)			
Vehicle length	L 103	5386 (212.1)			5464 (215.1)
Overhang — front	L 104		1030 (40.5)		
Overhang — rear	L 105	1411 (55.6)			1489 (58.6)
Upper structure length	L 123	2366 (91.3)	2398 (94.4)		3506 (138.0)
Rear wheel C/L "X" coordinate	L 127		2475 (97.5)		
Cowl point "X" coordinate	L 125	236 (9.3)	239 (9.4)		235 (9.2)

Height **

Passenger Distribution (frt./rear)	PD1,2,3		**		
Trunk/Cargo load			**		
Vehicle height	H 101	1433 (56.4)			1475 (58.1)
Cowl point to ground	H 114	1000 (39.4)			1007 (39.6)
Deck point to ground	H 138				-
Rocker panel front to ground	H 112	233 (9.2)			240 (9.4)
Bottom of door closed - front to grd.	H 133		295 (11.6)		
Rocker panel rear to ground	H 111	242 (9.5)			250 (9.9)
Bottom of door closed - rear to grd.	H 135	297 (11.7)	--		304 (12.0)

Ground Clearance **

Front bumper to ground	H 102	307 (12.1)			312 (12.3)
Rear bumper to ground	H 104	364 (14.3)			300 (11.8)
Bumper to ground — front at curb mass (wt.)	H 103		333 (13.1)		
Bumper to ground — rear at curb mass (wt.)	H 105	282 (15.0)			311 (12.2)
Angle of approach @ GVW	H 106	16.7°			17.0°
Angle of departure @ GVW	H 107	16.4°			18.0°
Ramp breakover angle @ GVW	H 147	14.1°			14.3°
Rear axle differential to ground	H 153	320 (12.6)			329 (13.0)
Min. running ground clearance	H 156	169 (6.6)			175 (6.9)
Location of min. run. grd. clear.					Catalytic Converter

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 1981 Issued 9-80 Revised (*) _____

Body Type

SAE Ref. No.	4-Door Sedans		2-Door Coupes		Station Wagons	
	1BL69	1BN69	1BL47	1BN47	1BL35	1BN35

Front Compartment

Sg RP front, "X" coordinate	L31	1078 (42.4)				
Effective head room	H61	1003(39.5)	997(39.2)	985(38.8)	979(38.5)	1005(39.6)
Effective T Point head room	H75	1006(39.6)	1000(39.4)	990(39.0)	984(38.7)	1009(39.7)
Max. eff. leg room — accelerator	L34	1072(42.2)				
Sg RP — front to heel	H30	220(8.7)				
Design H-point front travel	L17	163(6.4)				
Shoulder room	W3	1536(60.5)	1546(60.9)	1535(60.4)	1546(60.9)	1536(60.5) 1546(60.9)
Hip room	W5	1398(55.0)			1400(55.1)	
** Upper body opening to ground	H50					
Steering Wheel Angle	H18	19.0°				
Back Angle	L40	26.5°				

Rear Compartment

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

Luggage Compartment

Usable luggage capacity — L(cu. ft.)	V1	592L (20.9 cu. ft.)				--
** Lifter 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 REARMOST SEAT POSITION.

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

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*) _____

Body Type

SAE Ref. No.	1BL35	Station Wagons	1BN35

Station Wagon — Third Seat

Shoulder room	W85	1240 (48.8)
Hip room	W86	1109 (43.7)
Effective leg room	L86	782 (30.8)
Effective head room	H86	948 (37.3)
Effective T Point head room	H89	948 (37.3)
Seat facing direction	SD1	Rearward

Station Wagon — Cargo Space

Cargo length — open — front	L200	2790 (109.8)
Cargo length — open — second	L201	1907 (75.1)
Cargo length — closed — front	L202	2290 (90.2)
Cargo length — closed — second	L203	1407 (55.4)
Cargo length at belt — front	L204	2129 (83.8)
Cargo length at belt — second	L205	1222 (48.1)
Cargo width — wheelhouse	W201	1224 (48.2)
Rear opening width at floor	W203	1238 (48.7)
Opening width at belt	W204	1224 (48.2)
Max. rear opening width above belt	W205	988 (38.9)
Cargo height	H201	755 (29.7)
Rear opening height	H202	729 (28.7)
Tail gate to ground height (Curb)	H250	767 (30.2)
Front seat back to load floor height	H197	
Cargo volume index — m ³ (ft. ³)	V2	2469L (87.2 Cu. Ft.)
Hidden cargo volume — m ³ (ft. ³)	V4	2488L (87.9 Cu. Ft.)

Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat		Not Applicable
Back Height	L206	
Cargo length at floor — front	L209	
Cargo volume index — m ³ (ft. ³)	V3	
Hidden cargo volume — m ³ (ft. ³)	V4	

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

All dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Chevrolet

Model Year 1981

Issued 9-80

Revised (*)

Body Type

4-Door Sedans	2-Door Coupes	Station Wagons
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Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location																
Front	<p>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.</p> <p>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.</p> <p>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.</p>																
Rear	<p>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.</p> <p>Y - Fiducial mark to centerline of car-rear, width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar.</p> <p>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.</p>																
Fiducial Mark Number																	
Front	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">W21</td> <td style="width: 35%;">564 (22.2)</td> <td style="width: 35%;"></td> </tr> <tr> <td>L54</td> <td>2754 (108.4)</td> <td></td> </tr> <tr> <td>H81</td> <td>509 (20.0)</td> <td></td> </tr> <tr> <td>H181</td> <td>348 (13.7)</td> <td>349 (13.7)</td> </tr> <tr> <td>** H183</td> <td>325 (12.8)</td> <td>332 (13.1)</td> </tr> </table>		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)
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	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">W22</td> <td style="width: 35%;">254 (10.0)</td> <td style="width: 35%;">302 (11.9)</td> </tr> <tr> <td>L55</td> <td>5533 (217.8)</td> <td>5440 (214.2)</td> </tr> <tr> <td>H82</td> <td>586 (23.1)</td> <td>466 (18.2)</td> </tr> <tr> <td>H162</td> <td>449 (17.7)</td> <td>331 (13.0)</td> </tr> <tr> <td>** H184</td> <td>431 (17.0)</td> <td>319 (12.6)</td> </tr> </table>		W22	254 (10.0)	302 (11.9)	L55	5533 (217.8)	5440 (214.2)	H82	586 (23.1)	466 (18.2)	H162	449 (17.7)	331 (13.0)	** H184	431 (17.0)	319 (12.6)
W22	254 (10.0)	302 (11.9)															
L55	5533 (217.8)	5440 (214.2)															
H82	586 (23.1)	466 (18.2)															
H162	449 (17.7)	331 (13.0)															
** H184	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 Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line Chevrolet
 Model Year 1981 Issued 9-80 Revised (*) _____

Body Type

SAE Ref. No.	4-Door Sedan	2-Door Coupe	Station Wagons
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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)
	Tail (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 **		
	Tail	Inside		
		Outside		
	Directional	Front		
		Rear		
Headlamp Shape		Rectangular		

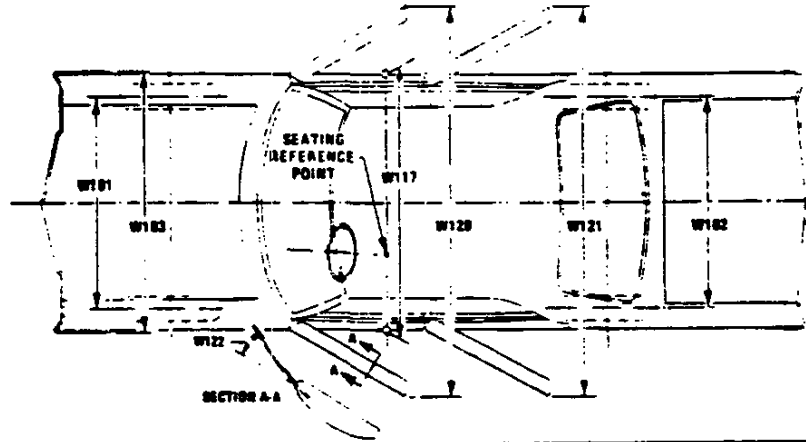
* Measured at curb mass (weight).

** If single headlamps are used enter here

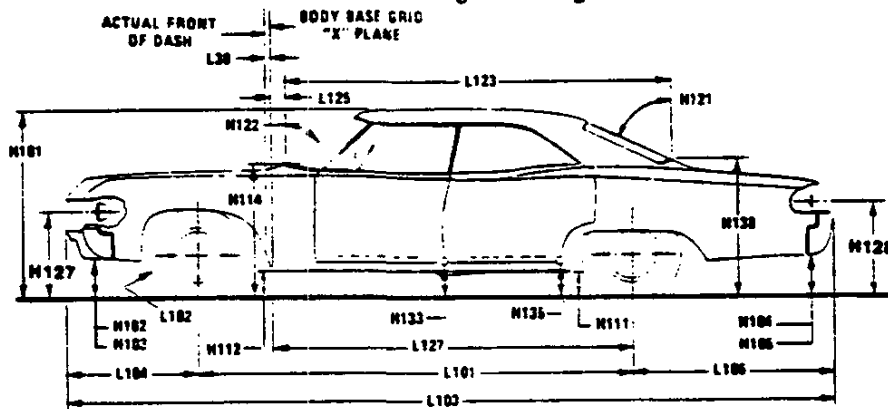
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions — Key Sheet

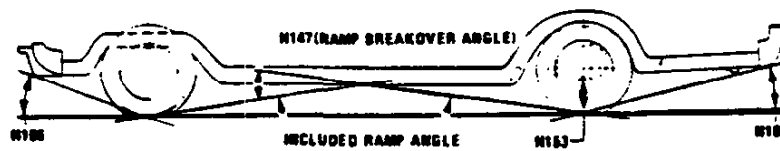
Exterior Width



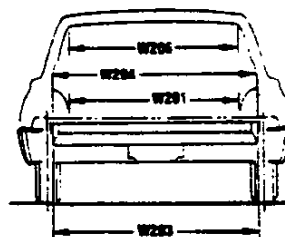
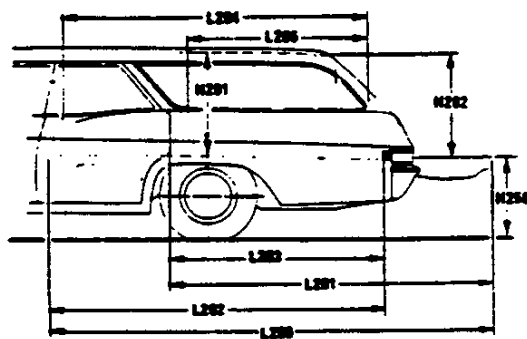
Exterior Length & Height



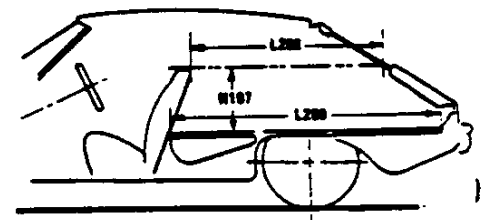
Exterior Ground Clearance



Cargo Space



Station Wagon

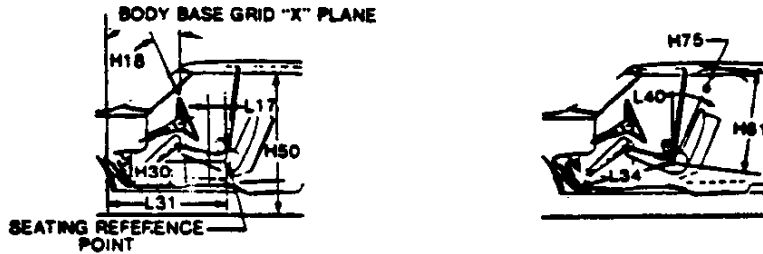


Hatchback

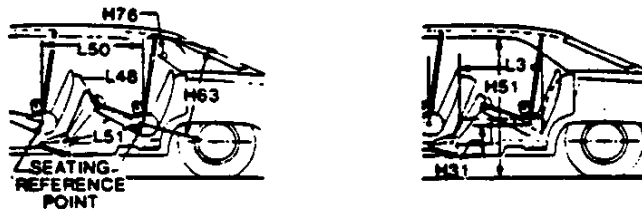
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

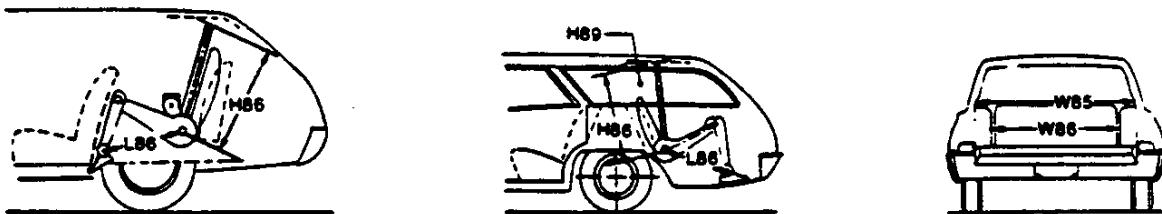
Front Compartment



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		L123	UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
SEATING REFERENCE POINT means the manufacturer's design reference point which —		L127	REAR WHEEL CENTERLINE X COORDINATE. In the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.
(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;		L125	COWL POINT "X" COORDINATE.
(b) Has coordinates established relative to the design vehicle structure;		Height Dimensions	
(c) Simulates the position of the pivot center of the human torso and thigh; and		H101	VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826 "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.		H114	COWL POINT TO GROUND. Measured at zero "Y" plane.
Width Dimensions		H138	DECK POINT TO GROUND. Measured at zero "Y" plane.
W101	TREAD — FRONT. The dimension measured between the tire centerlines at the ground.	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.
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.	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.
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.	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.
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.	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.
W120	VEHICLE WIDTH — FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.	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.
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.	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.
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.	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.
Length Dimensions		H127	HEADLAMP TO GROUND — CURB WEIGHT. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
L30	FRONT OF DASH "X" COORDINATE. A minus (–) dimension indicates actual front of dash is forward of the zero "X" plane.	H128	TAILLAMP TO GROUND — CURB WEIGHT. The dimension measured vertically from the centerline of the upper bulb to ground.
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.	Ground Clearance Dimensions	
L102	TIRE SIZE. As specified by the manufacturer.	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.
L103	VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, two hooks and/or rub strips, if standard equipment.	H103	FRONT BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.
L104	OVERHAND — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, two hooks and/or rub strips, if standard equipment.	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.
L105	OVERHAND — REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, two hooks and rub strips, if standard equipment.	H105	REAR BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.
		H106	ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius at the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet Dimensions Definitions

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 forward of the rear tire to ground. The limiting component shall be designated.	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).
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.	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.
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.	L48	KNEE CLEARANCE — SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.	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.
Front Compartment Dimensions			
PD1	PASSENGER DISTRIBUTION — FRONT.	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.
L31	SgRP — FRONT "X" COORDINATED.	W6	HIP ROOM — SECOND. Measured in the same manner as W5.
H61	EFFECTIVE HEAD ROOM — FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP — front to the headline, plus 4.0 in. (102 mm).	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.
H75	EFFECTIVE T-POINT HEAD ROOM — FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).	Luggage Compartment Dimensions	
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.	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.
H30	SgRP — FRONT TO HEEL. The dimension measured vertically from the SgRP — front to the accelerator heel point.	H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.
L17	DESIGN H-POINT — FRONT TRAVEL. The dimension measured horizontally between the design H-point — front in the foremost and rearmost seat trace positions.	Station Wagon — Third Seat Dimensions	
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.	PD3	PASSENGER DIRECTION — THIRD
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.	W85	SHOULDER ROOM — THIRD. Measured in the same manner as W5.
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.	W86	HIP ROOM — THIRD. Measured in the same manner as W5.
H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.	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).
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.	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).
Rear Compartment Dimensions			
PD2	PASSENGER DISTRIBUTION — SECOND	H89	EFFECTIVE T-POINT HEAD ROOM — THIRD. Measured in the same manner as H75.
L50	SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP — front to the SgRP — second.	Station Wagon — Cargo Space Dimensions	
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).	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.
H76	EFFECTIVE T-POINT HEAD ROOM — SECOND. Measured in the same manner as H75.	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 tail door for station wagons, trucks and mpv's at the zero "Y" plane.

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Interior Car And Body Dimensions — Key Sheet
Dimensions Definitions

- 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:

$$\frac{W4 \times H201 \times L204}{1728} = F1.3$$

 Measured in mm:

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

- V4 HIDDEN CARGO VOLUME.** As specified by the manufacturer.

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

- H197 FRONT SEATBACK TO LOAD HEIGHT.** The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT.** The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209 CARGO LENGTH AT FLOOR — FRONT — HATCHBACK.** The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

- V3 HATCHBACK.**
 Measured in inches:

$$\frac{L208 + L209}{2} \times W4 \times H197 = F1.3$$

 Measured in mm:

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

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