Specifications Form Passenger Car

1981

METRIC (U.S. Customary)

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

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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 J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load — Kilograms (Pounds)
	MODEL NUMBER	FRONT	REAR
2-DOOR HATCHBACK COUPE	1XX08	2	3
4-DOOR HATCHBACK SEDAN	1XX68	2	3

NOTE: ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT ARE SPECIFIC TO CALIFORNIA REQUIREMENTS ARE INDICATED ACCORDINGLY.

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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 (b)	ENGINE						TRANSMISSION	(c) AXLE RATIO (Std. first) (Indicate A/C ratio)	
	Displ. liters (in³)	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N·m (lb. ft.)	Exhaust System*		Base	Opt.
Base-All States	L-4 2.5 (151) (LW9)	2	8.2:1	84 @ 4000	125 @ 2400	S	Man.4-Spd (3.53 low)-Base	3.32:1@	-
							Auto '125'-Avail.	2.84:1@@	-
Avail.-All States	V-6 2.8 (173) (LE2)	2	8.5:1	110 @ 4800	145 @ 2400	S	Man.4-Spd (3.53 low)-Base	3.32:1@	-
							Auto '125'-Avail.	2.84:1(*) Calif- 2.84:1 @@ 49 States	
Avail.-All States (Model 1XX08)	V-6 2.8 HO (173) (LH7)	2	8.9:1	135 @ 5400	145 @ 2400	S	Man.4-Spd (3.31 low)-Base	3.65:1(c)	-
							Auto '125'-Avail.	3.33:1(*)	-

Limited slip differential not available.
b - 'Base' and 'Available' refer to engine availability.
c - Air conditioning available with all axle ratios.
@ - Final drive ratio in 4th gear (.81:1) is 2.69:1.
@@ - Chain ratio is 37:33, final drive ratio is 2.53:1.
(*) - Chain ratio is 35:35, final drive ratio is same as front drive ratio.
(c) - Final drive ratio in 4th gear (.81:1) is 2.96:1.

*S — Single D — Dual

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Car Line: CITATION
Model Year: 1981 Issued: 9-80 Revised (•):

Engine Description/Carb. Engine Code	2.5 Liter L4(151 CID) 2-Bbl Carburetor RPO LW9	2.8 Liter V6(173 CID) 2-Bbl Carburetor RPO LE2	2.8 Liter V6 H.O. 2-Bbl Carburetor RPO LH7

Engine — General

Type (Inline, V and Angle, Flat)		In Line	60° 'V'
Location (Front, Mid, Rear)		Front	
Engine installation position (transverse, longitudinal)		Transverse, front of engine faces right side of vehicle	
Number of mtg. points	Front	Two	
	Rear	Two	
No. of cylinders		4	6
Bore		101.6 (4.0)	89 (3.50)
Stroke		76.2 (3.0)	76 (2.99)
Piston Displacement cm^3 (in^3)		2474 (151)	2837 (173)
Bore Spacing (C/L to C/L)		111.8 (4.40)	
Cylinder Block Material		Cast Alloy Iron	
Cylinder block deck height		232.16 (9.14)	224 (8.819)
Deck clearance (minimum) (above or below block)		.3983 (.01568) Above .3790 (.01492) Below	0.64 (.025) Below
Cylinder Head Material		Cast Alloy Iron	
Cylinder Head Volume — cm^3		52.25 (3.188)	62.86 (3.84)
Head Gasket Thickness (Compressed)		0.97 (.038)	1.0 (.040)
Head Gasket Volume — cm^3		8.13 (.496)	.412 (.0251)
Minimum Combustion Chamber Volume — cm^3		88.845 (5.4217)	50.63 (3.090)
Cyl. No. system (front to rear)**	L Bank	1-2-3-4	2-4-6
	R Bank	---	1-3-5
Firing Order		1-3-4-2	1-2-3-4-5-6
Recommended fuel (Leaded, unleaded)		Unleaded	
Fuel antiknock index (R + M) 2		87	
Total dressed engine mass (wt) dry *		156.8 (346)	176.5 (389)

Engine — Pistons

Material			Cast Aluminum Alloy	
Description and finish (Flat, dished, dome, etc.)			Sump Head, Slipper Skirt	Flat Head
Mass, g (weight, oz.) — Piston Only			591 (20.85)	467 (16.47)
Clearance (limits)	Top land		.762-.950 (.030-.0374)	.642-.970 (.0253-.0343)
	Skirt	Top	.064-.084 (.0025-.0033)	.043-.069 (.0017-.0027)
		Bottom	.043-.104 (.0017-.0041)	
Ring groove diameter	No. 1 ring		90.5-90.75 (3.563-3.573)	79.17-79.42 (3.117-3.127)
	No. 2 ring		90.5-90.75 (3.563-3.573)	79.17-79.42 (3.117-3.127)
	No. 3 ring		91.19-90.93 (3.580-3.590)	78.08-78.34 (3.074-3.084)

*Dressed engine mass (weight) includes the following: Front of engine to rear of engine block - includes accelerator controls and engine mounts.

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

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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 Nodular iron, moly channel, barrel face Lower Tapered face, reverse twist	Molybdenum filled channel, barrel face Tapered face, reverse twist, lubrited
	Width	1.969-1.980(.0775-.0780)	1.960-1.975(.0772-.0778) (A)
	Gap	.38-.64(.015-.025)	.25-.50(.010-.020)
Oil	Description — material, coating, etc.	Flexvent, 3-piece, chrome plated rails	3-piece, steel rails and spacer
	Width	4.8 (.189)	4.175-4.793(.164-.189)
	Gap	.38-1.40(.015-.055)	.51-1.40 (.020-.055)
Expanders		In oil ring assembly	

Engine — Piston Pins

Material			Chromium steel	
Length			76.2(3.0)	70(2.76)
Diameter			23.82-23.93(.938-.942)	22.9937-23.0015(.905-.906)
Type	Locked in rod, in piston, floating, etc.		Locked in rod	
	Bushing	In rod or piston	None	
		Material	---	
Clearance	In piston		.005-.010(.0002-.0004)	.006-.009(.0002-.0004)
	In rod			Pressfit
Direction & amount offset in piston			Major thrust side - 1.60(.063)	Major thrust side - 1.50 (.059)

Engine — Connecting Rods

Material		Cast Arma steel	1038 steel
Mass, g (weight, oz.)		555 (19.58)	399 (14.07)
Length (center to center)		153.7 (6.05)	144.65-144.91 (5.69-5.71)
Bearing	Material & Type	Premium aluminum	
	Overall length	18.72 (.737)	18.05-18.30 (.711-.720)
	Clearance (limits)	.013-.066(.0005-.0026)	.012-.052(.0005-.0020)
	End Play	.15-.56(.006-.022)	.15-.43(.006-.017)

(A) Lower; Upper - 1.960-1.990 (.0772-.0783)

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Engine — Crankshaft

Material			Nodular cast iron	
Vibration damper type			None	Rubber mounted inertia
End thrust taken by bearing (No.)			5	3
Crankshaft end play			.089-.216(.0035-.0085)	.05-.20(.0020-.0079)
Main bearing	Material & type		M400	Steel backed aluminum with overplate - No. 1 Conecc
	Clearance		.005-.056(.0002-.0022)	.013-.038(.0005-.0015)
	Journal dia. and bearing overall length	No. 1	58.4 x 20.3 (2.3 x .80)	63.35 x 24.525 (2.494 x .9656)
		No. 2	58.4 x 20.3 (2.3 x .80)	63.35 x 18.725 (2.494 x .7372)
		No. 3	58.4 x 20.3 (2.3 x .80)	63.35 x 19.21 (2.494 x .7563)
		No. 4	58.4 x 20.3 (2.3 x .80)	63.35 x 31.575 (2.494 x 1.2431)
		No. 5	58.4 x 25.6 (2.3 x 1.01)	---
		No. 6	---	---
		No. 7	---	---
	Dir. & amt. cyl. offset			
	No. bolts/main brg. cap		2	
Crankpin journal diameter			50.8 (2.0)	

Engine — Camshaft

Location			In block	
Material			Cast Iron	
Bearings	Material		Babbitt on steel	GM-3881M, steel backing
	Number		3	4
Type of Drive	Gear, chain or belt		Gear	Chain
	Crankshaft gear or sprocket material		Cast iron	Sintered iron
	Camshaft gear or sprocket material		Phenolic (A)	Sintered iron
	Timing chain	No. of links	None	64
	Chain or Belt	Width	---	19 (.748)
		Pitch	---	9.5 (.375)

(A) Bakelite and fabric composition with steel hub.

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			RPO LW9	RPO LE2	RPO LH7 (H.O.)
Engine — Valve System					
Hydraulic lifters (Std., opt., NA)			Standard		
Valve rotator, type (intake, exhaust)			None	Exhaust	
Push rods (dia., length, material)			(a)7.94x226.75(.3125x8.927)	7.9(.3125)	
Rocker ratio			1.75:1	1.50:1	
Operating tappet clearance (indicate hot or cold)	Intake		Zero		
	Exhaust		Zero		
Timing (based on top of ramp points)	Intake	Opens (°BTC)	33	25	31
		Closes (°ABC)	81	81	93
		Duration (deg.)	294	286	304
	Exhaust	Opens (°BBC)	76	69	83
		Closes (°ATC)	38	55	61
		Duration (deg.)	294	304	324
	Valve open overlap (deg.)		71	80	92
Intake Valve	Material		Steel-SAE1541-H or 1547,chrome flash stem		Steel-SAE 1541-H or 1547(a
	Overall length		115.7(4.557)	119.4(4.70)	119.5(4.70)
	Actual overall head dia.		43.7 (1.72)	40.6(1.60)	43.64(1.72)
	Angle of seat & face (deg.)		46,45		
	Seat insert material		None		
	Stem diameter		8.68-8.70(.3418-.3425)	8.661-8.679(.3410-.3417)	
	Stem to guide clearance		.025-.069(.0010-.0027)	.025-.069 (.0010-.0027)	
	Lift (at zero lash)		10.3(.404)	8.81(.347)	9.98(.393)
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	347-382 @ 42.2 (78-86 @ 1.66)	338-374 @ 40.9 (59-65 @ 1.61)	
		Valve open — N at mm (lb. at in.)	765-800 @ 31.85 (172-180 @ 1.25)	863-917 @ 29.5 (151-160 @ 1.16)	
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	None	Spring damper	
		Valve open — N at mm (lb. at in.)	None	Spring damper	
Exhaust Valve	Material		21-2N steel, chrome flash stem		
	Overall length		114.0(4.489)	120.1(4.738)	120.32(4.74)
	Actual overall head dia.		38.1(1.50)	33.2(1.30)	36.2(1.42)
	Angle of seat & face (deg.)		46,45		
	Seat insert material		None		
	Stem diameter		8.68-8.70(.3418-.3425)	8.661-8.679(.3410-.3417)	
	Stem to guide clearance		.025-.069(.0010-.0027)	.025-.069(.0010-.0027)	
	Lift (at zero lash)		10.3(.404)	9.98(.393)	10.41(.410)
	Outer spring press. & length	Valve closed — N at mm (lb. at in.)	347-382 @ 42.2 (78-86 @ 1.66)	338-374 @ 40.9(59-65 @ 1.61)	
		Valve open — N at mm (lb. at in.)	765-800 @ 31.85 (172-180 @ 1.25)	863-917 @ 29.5 (151-160 @ 1.16)	
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	None	Spring damper	
		Valve open — N at mm (lb. at in.)	None	Spring damper	

(a) Chrome flash stem. (b) Tubular steel

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Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure		
	Connecting rods	Pressure		
	Piston pins	Splash		
	Camshaft bearings	Pressure		
	Tappets	Pressure		
	Timing gear or chain	Nozzle		
	Cylinder walls	Splash		
Oil pump type		Gear	Spur gear	
Normal oil pressure-kPa(psi) at engine rpm		259 (37.5)	207-310(30-45) @ 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.)		2.8 (3.0)	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, 10W30		
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	
Muffler No. & Type (reverse flow, straight thru, separate resonator)			
Resonator No. & type			
Exhaust Pipe	Branch O.D., wall thickness		
	Main O.D., wall thickness	44.45	
	Material	Laminated tubing	
Inter-mediate Pipe	O.D. & wall thickness		
	Material		
Tail Pipe	O.D. & wall thickness		
	Material		

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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.)		53 (14) Approximately		
	Filler location		Left rear quarter panel		
Fuel Pump	Type (elec. or mech.)		Mechanical		
	Locations on engine		RF	LF	
	Pressure range — kPa (psi)		45-55 (6.5-8.0)	41-52 (6.0-7.5)	
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)		Water	Exhaust	
	Air cleaner type	Standard	Replaceable paper element, single snorkel; (a)		
		Optional			
	Idle spd.-rpm (spec neutral or drive)	Manual	1000	850	
		Propane (Neu.)			
		Automatic	675	650*, 600@	700
		Propane (Neu.)			
	Idle A/F mix.				

(a) Dual Snorkel on LH7
* -With 2.84 Axle, @ -With 2.53 Axle.

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in.³)	Transmission	Carburetors Make	Carburetors Model	No Used and Type (Barrels)	Barrel Size
All	2.5 (151)	Manual	Rochester	17081671 (17081673)	1-2-bbl	Pri-28 (1.10) Sec-46 (1.81)
		Automatic		17081670 (17081672)		
	2.8 (173) (LE2)	Manual		17081651 (17081653)*	1-2-bbl	Pri-35.1(1.38) Sec-46 (1.81)
		Automatic		17081651 (17081653)@		
	2.8 173 (LH7)	Manual		17081657 (17081659)		
		Automatic		17081656 (17081658)		

* With 2.53 Axle
( ) With A/C
@ With 2.84 Axle

Engine — Diesel Information

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

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	RPO LW9	RPO LE2	RPO LH7 H.O.

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)		90 (195)	
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm			
	Number of pumps		One	
	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)			Crossflow	
Cooling System Capacity	With heater — L (qt.) (*)		8.25 (8.72)	10.09 (10.66)
	Without heater — L (qt.)		Heater standard equipment	
	(@) Opt. equipment-specify — L (qt.)		8.69 (9.18)	10.48 (11.07)
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		
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter		
	By-pass	Number and type (molded, straight)	None	
		Inside diameter		
Radiator (Core)	Standard	Width		
		Height		
		Thickness		
	A/C	Width		
		Height		
		Thickness		
	Heavy duty	Width		
		Height		
		Thickness		
Fan (Standard)	Number of blades & type - Flex/Solid		7, unequally spaced, radiator mounted	
	Diameter		350 (13.78)	
	Ratio — fan to crankshaft rev.			
	Fan cutout type		Thermostatically controlled	
	Drive Type-Number of Fans		Electric-One	
Fan (optional)	No. of blades and spacing			
	Diameter			
	Ratio — fan to crankshaft rev.			
	Fan cut-out type			
	Drive Type-Number of Fans			

(*) Base Transmission
(@) With Air Conditioning

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Engine Code	RPO LW9	RPO LE2	RPO LH7 H.O.

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)	
		Filter (describe)	
	Air Injection System	Air distribution (head, manifold, etc.)	
		Point of entry	
		Injection tube i.d.	
		Check valve type	
		Backfire protection (type)	
	Exhaust Gas Recircula-tion System	Type (controlled flow, open orifice, other)	Controlled flow
		Valve type	
		Valve location	Inlet manifold
		Control energy source	
		Exhaust source	Exhaust manifold | R.H. bank
		Exhaust cooler type	
		Orifice no. and size	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold
	Catalytic Converter System	Catalyst — Type	
		Catalyst — Volume — L (in^3)	2.8 (170)
		Substrate type	Dual bed
		Container location	Mounted to underbody at #2 body bar
	Other		

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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		A.C.
		Location		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)		
		Relief Pressure kPa (psi) and location		
		Vacuum relief kPa (psi) and location		
		Vapor-liquid separator type		Integral with fuel tank
		Vapor vented to (crankcase, canister, other)		Canister
	Carbu-etor	Vapor vented to (crankcase, canister, other)		Canister
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister
		Volume — dm^3 (ft^3) or capacity (grams)		
		Control valve type		Vacuum diaphragm

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	RPO LW9	RPO LE2	RPO LH7 H.O.

Electrical — Supply System

Battery	Make and Model		Delco 'Freedom II'	
	Voltage Rtg.—V—& Total Plates		12 V	
	SAE Designation No. and/or capacity		75 minute reserve capacity	
	Location		L.H. side of engine compartment	
Generator or Alternator	Make		Delco Remy	
	Model		1103197	1100115
	Type and rating		42	
	Output at engine idle (neutral) A			
	Ratio — Gen. to Crk's rev.			
Regulator	Make			
	Model			
	Type		Integral with alternator	
	Regulated	Voltage		
		Current A		
	Voltage test conditions	Temperature — °C (°F)		
		Load A		
		Other		

Electrical — Starting System

Starting Motor	Make		Delco Remy	
	Model		1109530	
Motor Drive	Engagement Type		Positive shift solenoid	
	Pinion engages from (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel — Manual	142	
		Flywheel — Auto	142	

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METRIC (U.S. Customary)

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

Engine Description/Carb. Engine Code	2.5 Liter L4(151 CID) 2-Bbl Carburetor	2.8 Liter V-6 (173 CID) 2-Bbl Carburetor	
	RPO LW9	RPO LE2	RPO LH7 H.O.

Electrical — Ignition System — Distributor

Distributor	Manual	1110567	1110579	1110579
	Automatic	1110567	1110579	1110579
Timing	Manual	4° BTC	6° BTC	
	Automatic	4° BTC	10° BTC	10° BTC

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1110567		DOES NOT APPLY			
1110579					

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Car Line CITATION
Model Year 1981 Issued 9-80 Revised (•) ____

Engine Description/Carb. Engine Code	2.5 Liter L4(151 CID) 2-Bbl Carburetor	2.8 Liter V-6 (173 CID) 2-Bbl Carburetor	
	RPO LW9	RPO LE2	RPO LH7 H.O.

Electrical — Ignition System

Type	Conventional — Std., Opt., N.A.		---		
	Transistorized — Std., Opt., N.A.		---		
	Other (specify)		High Energy Ignition (HEI)		
Coil	Make		Delco Remy		
	Model		Integral with distributor		
	Current	Engine stopped — A			
		Engine idling — A			
Spark Plug	Make		AC		
	Model		R44TSX	R43TS	R42TS
	Thread (mm)		14		
	Tightening torque — N-m (lb. ft.)				
	Gap		1.524 (.060)	1.143 (.045)	

Electrical — Suppression

Locations & type	Internal alternator capacitator, non-metallic high tension cables, resistor spark plugs, ignition coil by-pass capacitator and A/C compressor diode.

Electrical — Instruments and Equipment

Speedometer	Type	In-line with pointer
	Trip odometer (std., opt., N.A.)	N.A.
EGR maintenance indicator		N.A.
Charge Indicator	Type	Tell-Tale (Gauge Optional)
	Warning device	N.A.
Temperature Indicator	Type	Tell-Tale (Gauge Optional)
	Warning device	N.A.
Oil pressure Indicator	Type	Tell-Tale (Gauge Optional)
	Warning device	N.A.
Fuel Indicator	Type	Electric Gauge
	Warning device	N.A.
Windshield Wiper	Type — standard	Electric 2-Speed
	Type — optional	Intermittent
	Blade length	
	Swept area — cm^2 ($in.^2$)	
Windshield Washer	Type — standard	Push-Button
	Type — optional	N.A.
	Fluid level indicator	N.A.
Horn	Type	Vibrator
	Number used	One (Second Horn Optional)
Other	Current draw (A) per horn	4.5-6.0 @ 12.5 Volts
		Parking brake warning light and brake failure warning light, restraint system warning light and buzzer. Odometer flag for converter service; 'Choke' malfunction Tell-Tale (with 'oil' on std. clust. 'check engine' Tell-Tale - Calif. only.

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

Engine Description/Carb.	2.5 Liter L-4 (151 CID) 2-Bbl Carburetor	2.8 Liter V-6 (173 CID) 2-Bbl Carburetor	
Engine Code	RPO LW9	RPO LE2	RPO LH7 H.O.

Drive Units — Clutch (Manual Transmission)

Make & type		Belleville spring type, self adjusting
Type pressure plate springs		Diaphragm
Total spring load — N (lb.)		6049 (1300)
No. of clutch driven discs		One
Clutch facing	Material	Woven molded asbestos
	Manufacturer	Borg & Beck
	Part Number	476600
	Rivets/Plate	36
	Rivet size	3.6 x 5.4 (.143 x .213)
	Outside & inside dia.	232 x 155 (9.12 x 6.12)
	Total eff. area-cm^2 ($in.^2$)	463 (71.82)
	Thickness	3.43 (.135)
	Engagement Cushion method	Driven plate wave spoke springs
Release bearing	Type & method of lubrication	Ball thrust - prepacked & sealed
Torsional damping	Method: springs, friction material	Coil springs & metal to metal friction

Drive Units — Transmissions

Manual 3-speed (std., opt., N.A.)	N.A.
Manual 4-speed (std., opt., N.A.)	Base
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.

Drive Units — Manual Transmission

Number of forward speeds			4	
Transmission ratios	In first		3.53	3.31
	In second		1.95	1.95
	In third		1.24	1.24
	In fourth		0.81	0.81
	In fifth		---	---
	In overdrive		---	---
	In reverse		3.42	3.42
Synchronous meshing, specify gears			All forward	
Shift lever location			Floor mounted	
Lubricant	Capacity — L (pt.)		2.8 (5.9) (a)	
	Type recommended		Dexron II	
	SAE viscosity number	Summer		
		Winter		
		Extreme cold		

(A) Also lubricant for differential.

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Car Line CITATION
Model Year 1981 Issued 9-80 Revised (•) _____

Engine Description/Carb. / Engine Code	2.5 Liter L4(151 CID) 2-Bbl Carburetor	2.8 Liter V-6 (173 CID) 2-Bbl Carburetor	
	RPO LW9	RPO LE2	RPO LH7 H.O.

Drive Units — Automatic Transmission

Trade name		3-Speed Automatic
Type (describe)		3-speed with torque converter
Selector	Location	Std-steering column; Opt. - floor mounted
	Ltr./No. Designation	P-R-N-D-2-1
Gear Ratios	R	2.07
	D	1.00
	** 2	1.60
	** 1	2.84
	L	
Max. upshift 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	1.9
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	254 (10.0)
Lubricant	Capacity — refill — L (pt.)	4.6 (10.0)
	Type recommended	Dexron II
Special transmission features		Single axis type with variable displacement pump. Transverse mounted. Chain driven.

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)			Front
Description			Front differential with helical gears
Limited Slip differential, type			N.A.
Drive Pinion Offset			---
Drive pinion type			
No. of differential pinions			2
Pinion adjustment (shim, other)			---
Pinion bearing adj. (shim, other)			---
Driving wheel bearing type			Sealed ball bearings (integral part of bolt-in hub units)
Lubricant	Capacity — L (pt.)		See note on manual tran. page 15
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

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

Axle Ratio or Overall Ratio (:1)		2.84	3.32	2.84	3.65	3.33
No. of teeth	Pinion	37	25	35	23	35
	Ring gear or gear	33	83	35	84	35
Ring Gear O. D.			198.9 (7.83)		198.9 (7.83)	
Transaxle	Transfer Gear Ratio	0.89	0.81	1.0	0.81	1.0
	Final Drive Ratio	2.53	2.69	2.84	2.96	3.33

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

Engine Description/Carb. Engine Code	2.5 Liter L4 (151 CID) 2-Bbl Carburetor	2.8 Liter V-6 (173 CID) 2-Bbl Carburetor	
	RPO LW9	RPO LE2	RPO LH7

Drive Units — Axle Shafts — Front Wheel Drive

Number used				TWO
Type (straight, solid bar, tubular, etc.)			Left	Straight solid bar
			Right	Straight solid bar
Outer diam. x length* x wall thickness	Manual transmission		Left	23.81 x 320.8 (0.9375 x 12.63)
			Right	23.81 x 729.4 (0.9375 x 28.72)
	Automatic transmission		Left	23.81 x 320.8 (0.9375 x 12.63)
			Right	23.81 x 421.8 (0.9375 x 16.61)
	Optional transmission		Left	---
			Right	---
Slip Yoke	Type			None
	Number of teeth			None
	Spline O.D.			None
Universal joints	Make and Mfg. No.		Inner	Saginaw Steering Gear
			Outer	Saginaw Steering Gear
	Number used			4
	Type, size, plunge		Inner	Double offset design
			Outer	Rzeppa
	Attach (u-bolt, clamp, etc.)			
	Bearing	Type (plain, anti-friction)		
		Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)				Wishbone lower control arm; upper MacPherson strut
Torque taken through (torque tube or arms, springs)				Engine mounting system

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

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Car-Line CITATION
Model Year 1981 Issued 9-80 Revised (•) _____

Engine Description/Carb. Engine Code	2-DOOR HATCHBACK	4-DOOR HATCHBACK

Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply		P185/80R13 (BW, WS)*
	Type (bias, radial, etc.)		Glass belted radial
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	205 (30)
		Rear-kPa (psi)	205 (30)
	Rev./mile—at 70 km/h (45 mph)		526 (846)
WHEELS	Type & material		Ventilated, semi-styled disc
	Rim (size & flange type)		13 x 5.5
	Wheel offset		42 mm
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	100 mm
		Number & size	5-M12 x 1.5
Spare tire and wheel (same or other)			14 x 4 wheel; compact spare tire-T125/70D14

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P185/80R13 (BW, WS)*
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	P205/70R13 (WW, WL)**
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	P215/60R14 (BW, WL) @
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	Aluminum alloy
Rim (size, flange type, and offset)	14 x 6.5
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)	

Brakes — Parking

Type of control		Application-Foot operated; release - 'T' handle
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)	---

* - N.A. with RPO F41 Sport Suspension.
** - Requires RPO F41 Sport Suspension.
@ - With RPO Z19 Performance Sport Package - "X-11" only.

MVMA Specifications Form
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Car Line CITATION

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Body Type And/Or Engine Displacement		
2.5 Liter L-4/2-bbl (151)-RPO LW9	2.8 Liter V-6/2-bbl (173) RPO LE2	RPO LH7 H.O.

Brakes — Service

Brake Type (std., Opt., N.A.)	Drum	Front		N.A.
		Rear		Std.
	Disc	Front		Std.
		Rear		N.A.
Self-adjusting (std., opt., N.A.)				Std.
Special Valving	Type (proportion, delay, metering, other)			Proportioning. Diagonal split circuit.
Power Brake (std., opt., N.A.)				Option (a) | Required option
Booster Type (remote, integral, vac., hyd., etc.)				Tandem
Anti-skid device type (std., opt., N.A.)				N.A.
Effective area — cm^2 ($in.^2$)*				530.6 (82.26)
Gross lining area — cm^2 ($in.^2$)**				(96.17)
Swept area — cm^2 ($in.^2$)***				1687.2 (261.58)
Rotor	Outer working diameter	F		247 (9.72)
		R		---
	Inner working diameter	F		
		R		---
	Thickness	F		22 (0.87)
		R		---
	Material & type (vented/solid)	F		Cast iron, vented
		R		---
Drum	Diameter (nominal)	F		---
		R		200 x 45 (7.87 x 1.77)
	Type and material			Cast iron
Wheel cylinder bore	Front			74.6 (2.9375)
	Rear			17 (0.67)
Master Cylinder	Bore			22 (0.87)
	Stroke			35.52 (1.40)
Pedal arc ratio				Manual-6.6:1; Power-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, 6
		Rivet size		7.37 x 3.63 (.290 x .143)
		Manufacturer		Delco Moraine
		Lining Code		
		Material		Organic | Metallic
		**** Size Prim. or out-board		125 x 59 x 10.85 (4.92 x 2.32 x 0.430)
		**** Size Second or in-board		125 x 59 x 10.85 (4.92 x 2.32 x 0.430)
		Shoe thickness (no lining)		Inboard-4.72(0.186); Outboard-3.14 (0.124)
	Rear Wheel	Bonded or riveted, rivets/seg.		Riveted, 8
		Manufacturer		Delco Moraine
		Lining Code		
		Material		Organic
		**** Size Prim. or out-board		167.7 x 43.9 x 3.8 (6.60 x 1.73 x 0.15)
		**** Size Second or in-board		203.3 x 43.9 x 4.8 (8.0 x 1.73 x 0.19)
		Shoe thickness (no lining)		2.75 (.106)

*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) Required with RPO C60 air conditioning.

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				2.5 Liter L-4/2-Bbl (151) RPO LW9	2.8 Liter V-6/2-Bbl (173) RPO LE2	2.8 Liter V-6/2-Bbl (173) RPO LH7 H.O.
Steering						
Manual (std., opt., N.A.)				Std.		
Power (std., opt., N.A.)				Opt.		
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt		
		(Std., opt., N.A.)		Opt.		
Wheel diameter		Manual		381 (15.0)		
		Power		381 (15.0)		
Turning diameter m (feet)	Outside front	Wall to wall (l. & r.)		12.5 (41.0)		
		Curb to curb (l. & r.)		11.7 (36.1)		
	Inside rear	Wall to wall (l. & r.)				
		Curb to curb (l. & r.)				
Manual	Gear	Type		Rack & pinion		
		Make		Saginaw Steering Gear		
		Ratios	Gear	---		
			Overall	26.0:1		
	No. wheel turns (stop to stop)			3.5		
Power	Type (coaxial, linkage, etc.)			Rack & pinion w/end take-off tie rods - integral		
	Make			Saginaw Steering Gear		
	Gear	Type		Rack & pinion with integral power unit		
		Ratios	Gear	---		
			Overall	17.5:1		
	Pump driven by			'V' Belt		
	No. wheel turns (stop to stop)			3.13		
Linkage	Type			End take-off tie rods		
	Location (front or rear of wheels, other)			Rear		
	Drag links (trans. or longit.)					
	Tie rods (one or two)			Two		
Steering Axis	Inclination at camber (deg.)			14.5		
	Bearings (type)	Upper		Ball stud		
		Lower		Ball stud		
		Thrust				
Steering spindle & joint type						
Wheel Spindle	Diameter	Inner bearing		28.95 (1.1398)		
		Outer bearing		28.95 (1.1398)		
	Thread size			M20 x 2.5		
	Bearing type			Integral double row ball, permanently lubricated		
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)				
		Camber (deg.)				
		Toe-in [outside track-mm (in.)]				
	Service reset	Caster				
		Camber				
		Toe-in				
	Periodic M.V. Inspection	Caster				
		Camber				
		Toe-in				

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

	Body Type And/Or Engine Displacement		
	2.5 Liter L-4 (151) 2-Bbl Carburetor	2.8 Liter V-6 (173) 2-Bbl Carburetor	
	RPO LW9	RPO LE2	RPO LH7 H.O.

Suspension — General

Car leveling	Standard/Optional/NA	N.A.		
	Type (air, hyd., etc.)	---		
	Manual/auto. controlled	---		
Provision for brake dip control				
Provision for acc. squat control				
Special provisions for car jacking		Position jack in openings in bumper lower face of front & rear bumpers		
Shock absorber front & rear	Type	Front-MacPherson strut; Rear-direct, double acting, hydraulic		
	Make	Delco		
	Piston dia.	Front-32(1.26); Rear-25(1.0)		
Other special features				

Suspension — Front

Type and description		MacPherson with coil springs, stamped lower control arms & nodular iron steering knuckles		
Travel	Full Jounce	88 (3.46)		
	Full Rebound	94 (3.70)		
Spring	Type (coil, leaf, other)	Coil		
	Material	Steel		
	Size (coil design height & I.D., bar length x dia.)	500.4 (19.7) x 44.4 (1.75) x 3082 (121.3) x 13.4 (0.528)		
	Spring rate — N/mm (lb./in.)	13.0 (74)		
	Rate at wheel — N/mm (lb./in.)	14.1 (80)		
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	Steel - 22 (0.866)		

Suspension — Rear

Type and description		Trailing arm with stamped control arms & open section transverse beam		
Drive and torque taken through				
Travel	Full Jounce	92 (3.62)		
	Full Rebound	108 (4.25)		
Spring	Type (coil, leaf, other)	Coil		
	Material	Steel		
	Size (length x width, coil design height & I.D., bar length & dia.)	364 (14.3) x 108 (4.25) x 2550 (100.4) x 12.2 (0.480)		
	Spring rate — N/mm (lb./in.)	22 (125)		
	Rate at wheel — N/mm (lb./in.)	11.8 (67)		
	Mounting insulation type	Rubber - top only		
	If leaf: No. of leaves	---		
	If leaf: Shackle (comp. or tens.)	---		
Stabilizer	Type (link, linkless, frameless)	Integral (Standard)		
	Material & bar diameter	Seamless steel tubing; 20 (0.79)		
Track bar type		Transverse beam design; 30 (1.18)		

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	Body Type	
	2-Door Hatchback Coupe 1XX08	4-Door Hatchback Sedan 1XX68

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic lacquer or water base acrylic enamel finish
Hood hinge location (front, rear)		Rear
Hood counterbalance (type)		No
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	Polyurethane Padding
	Rear	Polyurethane Padding
	3rd Seat	None
Seat back type	Front	Polyurethane Padding
	Rear	Polyurethane Padding
	3rd Seat	None
Method of holding luggage compart. lid open		2-telescoping gas strut rods
Position of spare tire storage		Flat under rear load floor

* - Swing-out rear quarter windows (friction pivot) with remote controls optional for all models.

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)	Unitized frame. Bolt-on power train cradle (2-piece design) with mounting provisions for suspension lower control arms and engine mounts.

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Vehicle Mass (Weight)

Model	CURB MASS, kg. (Weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS kg (Weight lb)**
				Pass. In Front		Pass In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
2-Door Hatchback Coupe 1XX08	709.6 (1564)	415.6 (916)	1125.2 (2480)					1094.1 (2412)
4-Door Hatchback Sedan 1XX68	720.0 (1587)	417.9 (921)	1137.9 (2508)					1106.8 (2440)

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

Shipping Weight - Same as base curb weight except 3 gallons of gasoline.

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

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Body Type	
2-Door Hatchback Coupe 1XX08	4-Door Hatchback Sedan 1XX68

Convenience Equipment

Power windows	Side Windows	Optional (Coupes, Front Doors; Sedans, Front & Rear Doors)
	Vent Windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		N.A.
Reclining front seat back (R-L or both)		RH-Optional
Radios (specify type as well as availability)		Optional-AM/FM, AM/FM stereo, AM/FM Stereo with Cassette Tape.
Rear seat speaker		Optional
Power antenna		Optional
Clock		Optional
Air Conditioner (specify type)		Optional (manual control)
Speed warning device		N.A.
Speed control device		Optional-with automatic transmission and power brakes only.
Ignition lock lamp		N.A.
Dome lamp		Standard
Glove compartment lamp		*
Luggage compartment lamp		*
Underhood lamp		*
Courtesy lamp		*
Map lamp		N.A.
Cornering lamp		N.A.
Rear window defroster electrically heated		Optional
Rear window defogger		N.A.
Theft protection — type		Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.

* Available in optional lighting package only consists of following:
Luggage compartment lamp
Underhood lamp
Glove compartment lamp
Ash tray lamp
Courtesy lamps
Buzzer-headlamp on

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Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Seat-Reclining RH Backseat	2.2 (+ 4.8)	2.2 (+4.8)	4.4 (+ 9.6)	Requires Coupe Type Front Seat or Bucket Seat.
Windows-Rear Quarter Swing Out	0 (0)	1.4 (+3.0)	1.4 (+ 3.0)	Includes RH and LH Remote Controls
Quiet Sound Group	4.8 (+10.6)	6.0 (+13.2)	10.8 (+23.8)	1XX08 Model
	4.4 (+ 9.8)	5.8 (+12.8)	10.2 (+22.6)	1XX68 Model
Sport Equipment	5.2 (+11.5)	8.4 (+18.5)	13.6 (+30.0)	1XX08
Deluxe Exterior	0.6 (+ 1.3)	1.4 (+3.1)	2.0 (+4.4)	
Moldings - Body Size	0.2 (+ 0.4)	0.4 (+0.8)	0.6 (+1.2)	
Electric Rear Window Defogger	0 (0)	0.6 (+1.4)	0.6 (+1.4)	Includes K81 Delectron
Console, Front Compartment	1.6 (+ 3.6)	1.2 (+2.6)	2.8 (+6.2)	Requires A51 Bucket Seats
Radio AM/FM	0.2 (+ 0.4)	0.2 (+0.4)	0.4 (+0.8)	
RADIO AM/FM Stereo	0.2 (+ 0.4)	0.2 (+0.4)	0.4 (+0.8)	
Radio AM/FM Stereo With Cassette Tape	2.0 (+ 4.4)	0.8 (+1.8)	2.8 (+6.2)	
Speakers Rear (Dual)	0.2 (- 0.4)	2.0 (+4.4)	1.8 (+4.0)	
Rear Seat Speaker	0 (0)	1.0 (+2.2)	1.0 (+2.2)	Requires U63 or U69

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

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

Car Line CITATION

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

Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Air Conditioning	26.6	1.6	28.2	With L-4 Engine
	(+58.6)	(+3.6)	(+62.2)	
	26.4	1.6	28.0	With V-6 Engine
	(+58.2)	(+3.6)	(+61.8)	
Power Door Lock System	0.6	1.0	1.6	2-Door Models
	(+ 1.4)	(+2.2)	(+ 3.6)	
	0.8	2.2	3.0	4 Door Models
	(+ 1.8)	(+4.8)	(+ 6.6)	
Power Windows	1.4	1.0	2.4	2-Door Models
	(+ 3.0)	(+2.2)	(+ 5.2)	
	2.6	2.8	5.4	4-Door Models
	(+ 5.8)	(+6.2)	(+12.0)	
Power Steering	9.8	0.2	10.0	
	(+21.6)	(+0.4)	(+22.0)	
Power Brakes	3.4	0.6	4.0	
	(+ 7.4)	(+1.4)	(+ 8.8)	
Color Keyed Floor Mats, Front & Rear	1.0	1.2	2.2	
	(+ 2.2)	(+2.6)	(+ 4.8)	
Special Performance, Front & Rear Suspension	1.2	0.4	1.5	
	(+ 2.6)	(+0.8)	(+ 3.4)	
Rings, Wheel Trim	0.2	0.2	0.4	
	(+ 0.4)	(+0.4)	(+ 0.8)	
Full Wheel Covers	0.6	0.6	1.2	
	(+ 1.4)	(+1.4)	(+ 2.8)	
Deluxe Wheel Trim Ring and Hub Caps	0.4	0.4	0.8	
	(+ 0.8)	(+0.8)	(+ 1.6)	
Bumper Rub Strips	0.4	0.4	0.8	
	(+ 0.8)	(+0.8)	(+ 1.6)	
Bumper Guards Front & Rear	0.6	0.6	1.2	
	(+ 1.4)	(+1.4)	(+ 2.8)	
Sunroof - Glass	3.2	3.0	6.2	With 1XX08 & 1XX68
	(+ 7.0)	(+6.6)	(+13.6)	

*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 CITATION

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.

	SAE Ref. No.	Body Type: 2-Door Hatchback Coupe 1XX08	4-Door Hatchback Sedan 1XX68
Width			
Tread — Front	W101	1492 (58.7)	
Tread — Rear	W102	1447 (57.0)	
Vehicle width	W103	1736 (68.3)	
Body width at Sg RP — front	W117	1730 (68.1)	1727 (68.0)
Vehicle width — front doors open	W120	3680 (144.9)	3219 (126.7)
Vehicle width — rear doors open	W121	--	2857 (112.5)
Length			
Wheelbase	L101	2664 (104.9)	
Vehicle length	L103	4488 (176.7)	
Overhang — front	L104	897 (35.3)	
Overhang — rear	L105	927 (36.5)	
Upper structure length	L123	2752 (108.3)	
Rear wheel C/L "X" coordinate	L127	2459 (96.8)	
Cowl point "X" coordinate	L125	215 (8.5)	
Height **			
Passenger Distribution (frt./rear)	PD1,2,3	**	
Trunk/Cargo load		**	
Vehicle height	H101	1360 (53.5)	
Cowl point to ground	H114	903 (35.6)	
Deck point to ground	H136		
Rocker panel front to ground	H112	209 (8.2)	
Bottom of door closed - front to grd.	H133	278 (10.9)	
Rocker panel rear to ground	H111	208 (8.2)	
Bottom of door closed - rear to grd.	H135	--	278 (10.9)
Ground Clearance **			
Front bumper to ground	H102	349 (13.7)	
Rear bumper to ground	H104	321 (12.6)	
Bumper to ground — front at curb mass (wt.)	H103	370 (14.5)	
Bumper to ground — rear at curb mass (wt.)	H105	351 (13.8)	
Angle of approach @ GVW	H108	18.5°	
Angle of departure @ GVW	H107	20.2°	
Ramp breakover angle @ GVW	H147	15.3°	
Rear axle differential to ground	H153	297 (11.7)	
Min. running ground clearance	H156	138 (5.4)	
Location of min. run. grd. clear.		Frame Between Wheels	

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, p 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 Line CITATION

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

Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.)			Remarks
	Front	Rear	Total	
2.8 Liter V6, 173 CID RPO LE2	25.4 (+56.0)	-0.4 (-0.8)	25.0 (+55.2)	
2.8 Liter V6, 173 CID RPO LH7	25.4 (+56.0)	-0.4 (-0.8)	25.0 (+55.2)	1XX08 Model
Automatic Transmission	19.8 (+43.6)	0 0	19.8 (+43.6)	Used With L4, RPO LW9 Engine
	17.0 (+37.4)	0 (0)	17.0 (+37.4)	Used with V6, RPO LE2

*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 CITATION
Model Year 1981 Issued 9-80 Revised (•) _____

	SAE Ref. No.	Body Type: 2-Door Hatchback Coupe	4-Door Hatchbck Sedan
Station Wagon — Third Seat		1XX08	1XX68
Shoulder room	W35		
Hip room	W36		
Effective leg room	L86		
Effective head room	H86	NOT	
Effective T Point head room	H89	APPLICABLE	
Seat facing direction	SD1		
Station Wagon — Cargo Space			
Cargo length — open — front	L200		
Cargo length — open — second	L201		
Cargo length — closed — front	L202		
Cargo length — closed — second	L203		
Cargo length at belt — front	L204		
Cargo length at belt — second	L205		
Cargo width — wheelhouse	W201	NOT	
Rear opening width at floor	W203	APPLICABLE	
Opening width at belt	W204		
Max. rear opening width above belt	W205		
Cargo height	H201		
Rear opening height	H202		
Tail gate to ground height (Curb)	H250		
Front seat back to load floor height	H197		
Cargo volume index — m^3 ($ft.^3$)	V2		
Hidden cargo volume — m^3 ($ft.^3$)	V4		
Hatchback — Cargo Space			
Front seat back to load floor height	H197	590 (23.2)	
Cargo length at front seat Back Height	L208	1178 (46.4)	
Cargo length at floor — front	L209	1606 (63.2)	
Cargo volume index — m^3 ($ft.^3$)	V3	1172 (41.4)	1174 (41.5)
Hidden cargo volume — m^3 ($ft.^3$)	V4		

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

All dimensions are in millimeters (inches).

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

Car Line CITATION

Model Year 1981 Issued 9-80 Revised (*) ____

Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type: 2-Door Hatchback Coupe 1XX08	4-Door Hatchback Sedan 1XX68
Front Compartment			
Sg RP front, "X" coordinate	L31	1138 (44.8)	
Effective head room	H61	968 (38.1)	
Effective T Point head room	H75	968 (38.1)	
Max. eff. leg room — accelerator	L34	1073 (42.2)	
Sg RP — front to heel	H30	257 (10.1)	
Design H-point front travel	L17	192.5 (7.6)	192 (7.5)
Shoulder room	W3	1428 (56.2)	1430 (56.3)
Hip room	W5	1400 (55.1)	
** Upper body opening to ground	H50		
Steering Wheel Angle	H18	22.0°	
Back Angle	L40	25.0°	
Rear Compartment			
Sg RP Point couple distance	L50	786 (30.9)	
Effective head room	H63	958 (37.7)	957 (37.7)
Effective T Point head room	H76	957 (37.7)	956 (37.6)
Min. effective leg room	L51	876 (34.5)	902 (35.5)
Sg RP — second to heel	H31	261 (10.3)	
Knee clearance	L48	24 (0.9)	22 (0.9)
Compartment room	L3	691 (27.2)	
Shoulder room	W4	1428 (56.2)	1430 (56.3)
Hip room	W6	1374 (54.1)	1397 (55.0)
** Upper body opening to ground	H51	--	-
Luggage Compartment			
Usable luggage capacity — L (cu. ft.)	V1	--	
** Liftover height	H195	544 (21.4)	

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 CITATION

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

	SAE Ref. No.	Body Type: 2-Door Hatchback Coupe	4-Door Hatchback Sedan
Glass		1XX08	1XX68
Backlight slope angle	H121	65.0°	
Windshield slope angle	H122	57.0°	
Tumble-Home	W122	22.0°	
Windshield glass exposed surface area — cm^2 ($in.^2$)	S1	8362 (1296.1)	
Side glass exposed surface area — cm^2 ($in.^2$)	S2	12935 (2004.9)	12863 (1993.8)
Backlight glass exposed surface area — cm^2 ($in.^2$)	S3	7216 (1118.5)	
Total glass exposed surface area — cm^2 ($in.^2$)	S4	28513 (4419.5)	28441 (4408.4)
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 **	634 (25.0)
		Lowest	--
	Tail (H128)	Highest	611 (24.0)
		Lowest	--
	Sidemarker	Front	583 (23.0)
		Rear	612 (24.1)
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside **	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	
Headlamp Shape			

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

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

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

Car and Body Dimensions See Key Sheets for definitions

Body Type	
2-Door Hatchback Coupe 1XX08	4-Door Hatchback Sedan 1XX68

Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location
Front	X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE - FRONT, MEASURED HORIZONTALLY FROM BASE GRID LINE TO THE FRONT FIDUCIAL MARK LOCATED ON TOP OF FRONT SEAT ADJUSTER MOUNTING BOLT. Y - FIDUCIAL MARK TO CENTERLINE OF CAR - FRONT, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO THE 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 THE BASE GRID LINE TO 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 REAR UNDERBODY CROSSBAR. Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE - REAR, MEASURED VERTICALLY FROM BASE GRID LINE TO REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.

	Fiducial Mark Number		
Front	W21		563 (22.2)
	L54		2770 (109.1)
	H81		259 (10.2)
	H161	CURB	302 (11.9)
**	H163		277 (10.9)
Rear	W22		489 (19.2)
	L55		5016 (197.5)
	H82		386 (15.2)
	H162	CURB	432 (17.0)
**	H164		402 (15.8)

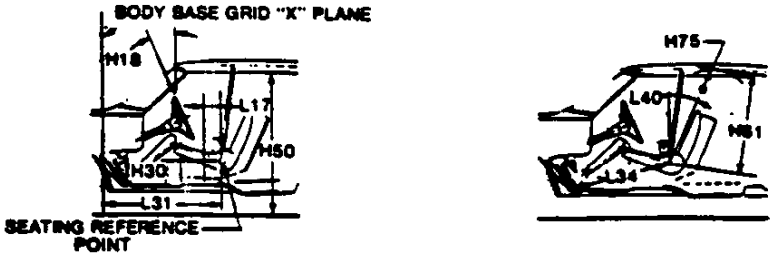
*Reference — SAE Recommended Practice, J182a, A Motor Vehicle Fiducial Marks — September, 1973.
All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

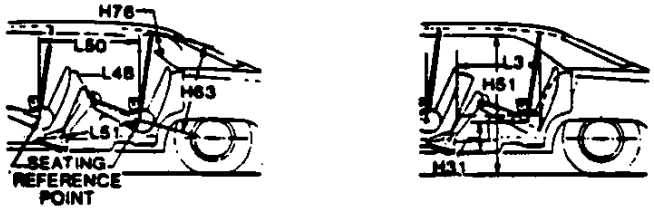
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

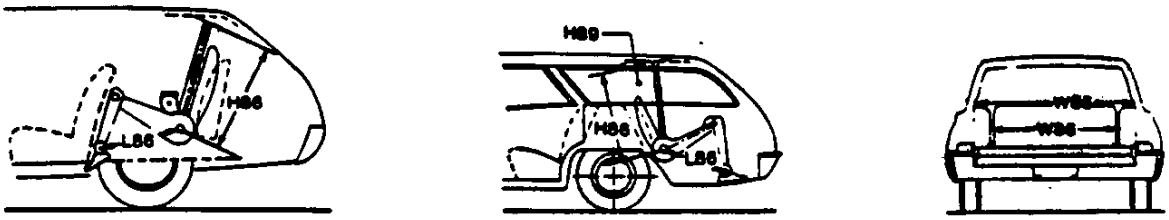
Front Compartment



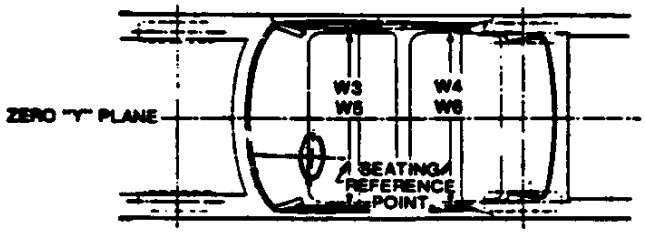
Rear Compartment



Third Seat



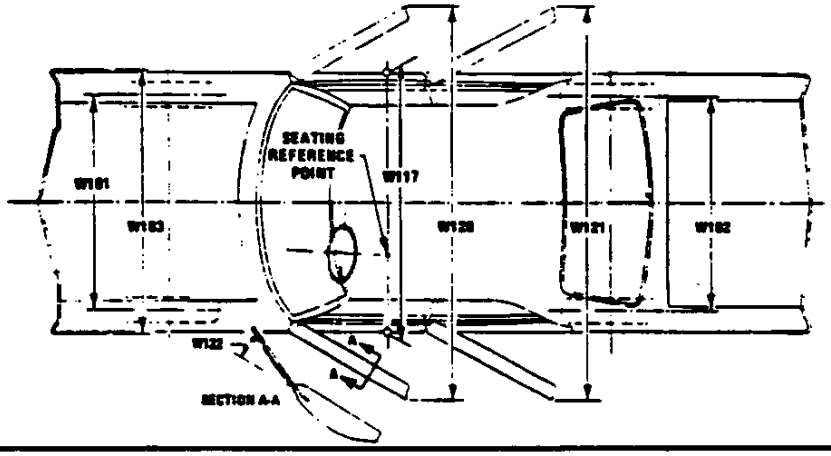
Interior Width



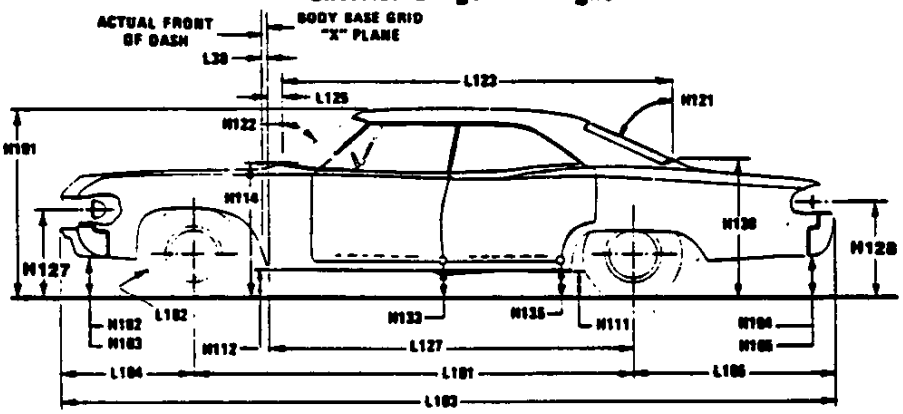
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions — Key Sheet

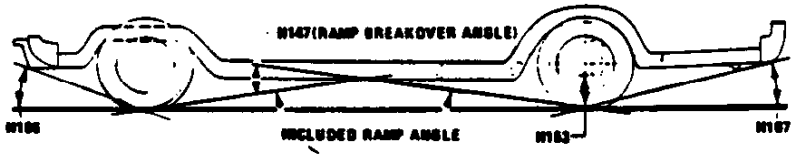
Exterior Width



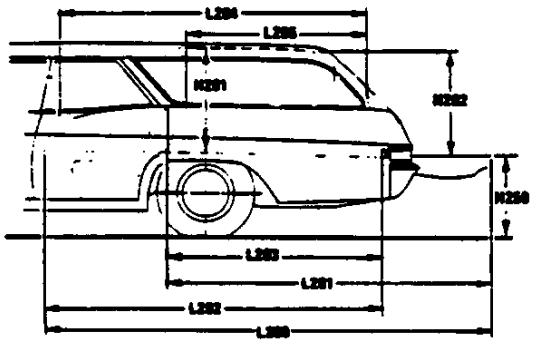
Exterior Length & Height



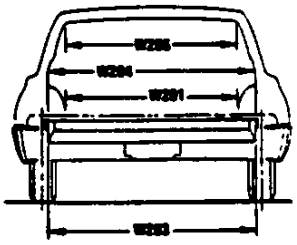
Exterior Ground Clearance

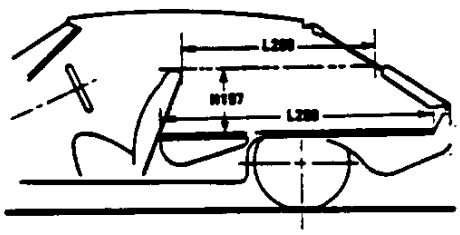


Cargo Space



Station Wagon





Hatchback

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

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

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

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

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION — FRONT.

L31 SgRP — FRONT "X" COORDINATED.

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

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

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

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

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

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

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

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

H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

L40 BACK ANGLE — FRONT. The angle measured between a vertical line through the SgRP — front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION — SECOND.

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

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

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

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

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

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

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

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

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

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

Luggage Compartment Dimensions

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

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

Station Wagon — Third Seat Dimensions

PD3 PASSENGER DIRECTION — THIRD

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

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

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

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

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

Station Wagon — Cargo Space Dimensions

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

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

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

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

Width Dimensions

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

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

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

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

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

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

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

Length Dimensions

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

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

L102 TIRE SIZE. As specified by the manufacturer.

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

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

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

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

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

L125 COWL POINT "X" COORDINATE.

Height Dimensions

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

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

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

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

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

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

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

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

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

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

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

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

Ground Clearance Dimensions

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

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

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

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

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

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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:

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

Measured in mm:

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

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback — Cargo Space Dimensions

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

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

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

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

V3 HATCHBACK.

Measured in inches:

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

Measured in mm:

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