Specifications Form Passenger Car

1981

METRIC (U.S. Customary)

Manufacturer	Car Line	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	CHEVETTE	
[redacted]	Model Year 1981	Issued: SEPTEMBER, 1980 Revised (•) FEBRUARY, 1981

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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 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)
CHEVETTE	MODELS	FRONT	REAR	
2-Door Hatchback Coupe	1TB08	2	2	
2-Door Hatchback Coupe	1TJ08	2	2	
4-Door Hatchback Sedan	1TB68	2	2	

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	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)	
	Displ. liters (in^3)	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 1.6 (98) (L17)	2	8.6:1	70 @ 5200	82 @ 2400	S	Man 4-Spd - Base (3.75:1 Low)	3.36:1* 3.70:1	--
							Auto'180c'-Avail** (Auto'200c'-Avail)@	3.70:1	--
Available 49 States Only	L-4 1.8 (110) LJ5 (@@)	Fuel Injection (Diesel)	22.0:1	51 @ 5000	72 @ 2000	S	Man 5-Spd - Base (3.79:1 Low)	3.36:1	
							Auto'200c'-Avail	3.70:1 3.36:1	-- Revised

* With 1TJ08 only - AC not available.

Limited slip differential not available.

(@) Air conditioning not available.

(@@) Air conditioning not available with diesel engine.
Diesel engine will be available mid-March 1981.

(**) The '180c' automatic transmission with converter clutch will not be available available at S.A.P. (approximately February 1981 availability) - The '180' automatic transmission without converter clutch will be used at S.A.P.

*S — Single D — Dual

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17	1.8 LITER L-4 (110 CID) FUEL INJECTION (DIESEL) RPO LJ5

Engine — General

Type (inline, V and Angle, Flat)		OHC, INLINE	
Location (Front, Mid, Rear)		FRONT	
Engine installation position (transverse, longitudinal)		LONGITUDINAL	
Number of mtg. points	Front	TWO	
	Rear	ONE	
No. of cylinders		4	
Bore		82 (3.23)	84 (3.31)
Stroke		75.7 (2.98)	82 (3.23)
Piston Displacement cm^3 (in^3)		1605 (98.0)	1817 (110)
Bore Spacing (C/L to C/L)		91.4 (3.6)	99.5 (3.9)
Cylinder Block Material		CAST ALLOY IRON	
Cylinder block deck height		198 (7.8)	218.5 (8.6)
Deck clearance (minimum) (above or below block)		'0'	
Cylinder Head Material		CAST ALLOY IRON	
Cylinder Head Volume — cm^3		43.6	10.54
Head Gasket Thickness (Compressed)		.031	1.40 (0.055)
Head Gasket Volume — cm^3		4.8	4.40
Minimum Combustion Chamber Volume — cm^3		42.7	19.48
Cyl. No. System (front to rear)**	L Bank	1-2-3-4	
	R. Bank	---	
Firing Order		1-3-4-2	
Recommended fuel (Leaded, unleaded)		Unleaded	Diesel #2
Fuel antiknock index $\frac{(R+M)}{2}$		87	--
Total dressed engine mass (wt) dry *		144.1 (317.7)	172 (379.3)

Engine — Pistons

Material			Cast Aluminum Alloy	
Description and finish (Flat, dished, dome, etc.)			Sump Head, Slipper Skirt	Auto - Thermatic
Mass, g (weight, oz.)— *Piston Only*			400 (14.11)	540 (19.05)
Clearance (limits)	Top land		.67-.91 (.026-.035)	0.515-0.575 (0.020-0.023)
	Skirt	Top	.020-.040 (.0007-.0015)	0.143-0.167 (0.006-0.007)
		Bottom		0.015-0.035 (0.0006-0.0014)
Ring groove diameter	No. 1 ring		72.65-73.05 (2.860-2.876)	74.9-75.1 (2.949-2.957)
	No. 2 ring		72.65-73.05 (2.860-2.876)	74.9-75.1 (2.949-2.957)
	No. 3. ring		72.53-72.93 (2.856-2.871)	74.3-74.5 (2.925-2.933)

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

** 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 (A)	Upper-Cast Alloy Iron, Hard Chrome Plate, Barrel Face (A)
	Width (B)		Upper-1.943-1.969(.0765-.0775)	Upper-2.475-2.490(0.0974-0.0980)
	Gap		.23-.46 (.009-.018)	0.20-0.40 (0.0078-0.0157)
Oil	Description — material, coating, etc.		(2) Rails-Steel, Chrome Plated (1) Expander-Stainless Stl SS-50	Rails-Cast Alloy Iron, Hd Chrm Plt Expander-Steel, Hard Chrome Plate
	Width		3.98-4.03 (.157-.159)	3.97-3.99 (0.156-0.157)
	Gap		0.38-1.40 (.015-.055)	0.20-0.40 (0.0078-0.0157)
Expanders			In Oil Ring Assembly	

Engine — Piston Pins

Material			Chromium Steel	
Length			69.7-70.3 (2.744-2.768)	66.8-67.0 (2.630-2.638)
Diameter			22.992-22.995(.9052-.9053)	24.995-25.000 (0.9841-0.9843)
Type	Locked in rod, in piston, floating, etc.		Locked in Rod	
	Bushing	In rod or piston	None	In Rod
		Material	---	Cast Copper Alloy
Clearance	In piston		.003-.007(.00012-.00027)	0.002-0.012 (0.00008-0.00047)
	In rod			0.008-0.020 (0.00031-0.00079)
Direction & amount offset in piston			Major Thrust Side-1.5 (.059)	Major Thrust Side 0.5 (0.020)

Engine — Connecting Rods

Material		Forged Steel 1141	Forged Alloy Steel
Mass, g (weight, oz.)		354 (12.49)	780 (27.51)
Length (center to center)		122 (4.803)	133.5 (5.256)
Bearing	Material & Type	Premium Aluminum	Steel Backed Copper-Lead Alloy
	Overall length	18.80-19.05 (.74-.75)	21.87-22.13 (0.861-0.871)
	Clearance (limits)	.33-.52 (.013-.060)	0.040-0.081 (0.0016-0.0032)
	End Play	.11-.32 (.004-.012)	0.20-0.33 (0.0079-0.0130)

(A) Lower - Cast Alloy Iron Tapered Face, Barrel Face

(B) Lower - 1.958-1.981 (.0771-.0780)

(A) Lower - Cast Alloy Iron, Tapered Face.

Lower - 1.975 - 1.990 (0.0778-0.0783)

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Engine — Crankshaft

Material			Nodular Cast Iron	Forged Steel, Softnitrided
Vibration damper type			Rubber Mounted Inertia	
End thrust taken by bearing (No.)			5	5 Main Bearings, 4 Counter Weights
Crankshaft end play			.010-.020 (.004-.008)	0.06-0.24 (0.0024-0.0094)
Main bearing	Material & type		Premium Aluminum	Steel Backed Copper-Lead Alloy
	Clearance		.008-.074 (.0003-.0029)	0.039-0.080 (0.0015-0.0031)
	Journal dia. and bearing overall length	No. 1	51.012 x 17.875 (2.0083 x .7037)	55.928 x 22.0 (2.2019 x 0.8661)
		No. 2	51.012 x 17.875 (2.0083 x .7037)	55.928 x 22.0 (2.2019 x 0.8661)
		No. 3	51.012 x 17.875 (2.0083 x .7037)	55.928 x 22.0 (2.2019 x 0.8661)
		No. 4	51.012 x 17.875 (2.0083 x .7037)	55.928 x 22.0 (2.2019 x 0.8661)
		No. 5	51.000 x 23.875 (2.0078 x .9399)	55.928 x 22.0 (2.2019 x 0.8661)
		No. 6	---	
		No. 7	---	
	Dir. & amt. cyl. offset		---	
	No. bolts/main brg. cap		Two	
Crankpin journal diameter			45.958-45.984 (1.809-1.810)	48.940-48.925

Engine — Camshaft

Location			In Cylinder Head	
Material			Cast Alloy Iron	
Bearings	Material		Steel Backed Babbitt	
	Number		5	
Type of Drive	Gear, chain or belt		Timing Belt	
	Crankshaft gear or sprocket material		Sintered Iron, Carbonitrided	Sintered Iron Steam Treated
	Camshaft gear or sprocket material		Cast Iron	Sintered Iron Steam Treated
	Timing chain	No. of links	100	134
	Chain or Belt	Width	19 (.748)	30 (1.181)
		Pitch	9.5 (.375)	9.525 (0.375)

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Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Hydraulic Valve Lash Adjusters	Mechanical
Valve rotator, type (intake, exhaust)			None	None
Push rods (dia., length, material)			None	None
Rocker ratio			1.6:1	1.5:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero	29mm Cold & Hot
	Exhaust		Zero	35mm Cold & Hot
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28	32
		Closes (°ABC)	76	60
		Duration (deg.)	284	272
	Exhaust	Opens (°BBC)	72	65
		Closes (°ATC)	32	29
		Duration (deg.)	284	274
	Valve open overlap (deg.)		60	61
Intake Valve	Material		8440 Steel, Aluminized Head & Seat, Chrome Flash Stem	(a)
	Overall length		98.245-98.755 (3.868-3.888)	132.10-132.50 (5.200-5.217)
	Actual overall head dia.		38.87-39.13 (1.53-1.54)	39.0-38.9 (1.535-1.531)
	Angle of seat & face (deg.)		46,45	45.0
	Seat insert material		None	Forged High-Hot Strength Steel
	Stem diameter		7.970-7.986 (.3138-.3144)	7.946-7.961 (0.3128-0.3134)
	Stem to guide clearance		.046-.053 (.0018-.0021)	0.039-0.071 (0.0015-0.0028)
	Lift (at zero lash)		9.83 (.387)	9.6 (0.378)
	Outer Spring press & length	Valve closed — N at mm (lb. at in.)	284-320- @ 32 (64-72 @ 1.26)	143-165 @ 41 (32-37 @ 1.61)
		Valve open — N at mm (lb. at in.)	743-797 @ 22.5 (167-179 @ .886)	445-514 @ 31.4 (100-116 @ 1.24)
	Inner spring press & length	Valve closed — N at mm (lb. at in.)	None	83-95 @ 38.5 (19-21 @ 1.52)
		Valve open — N at mm (lb. at in.)	None	239-276 @ 28.9 (54-62 @ 1.14)
Exhaust Valve	Material		Armco 21-2 Stellite Seat, Full Chrome Stem	(a)
	Overall length		98.70-99.21 (3.886-3.906)	132.1-132.5 (5.200-5.217)
	Actual overall head dia.		31.87-32.13 (1.255-1.265)	33.9-34.0 (1.335-1.339)
	Angle of seat & face (deg.)		46,45	45.0
	Seat insert material		None	Forged High-Hot Strength Steel
	Stem diameter		7.95-7.98 (.313-.314)	7.94-7.955 (0.3126-0.3132)
	Stem to guide clearance		.066-.074 (.0026-.0029)	0.045-0.077 (0.0018-0.0030)
	Lift (at zero lash)		9.83 (.387)	10.1 (0.398)
	Outer spring press. & length	Valve closed — N at mm (lb. at in.)	284-320 @ 32 (64-72 @ 1.26)	143-164 @ 41 (32-37 @ 1.61)
		Valve open — N at mm (lb. at in.)	743-797 @ 22.5 (167-179 @ .886)	462-531 @ 30.9 (104-119 @ 1.22)
	Inner spring press & length	Valve closed — N at mm (lb. at in.)	None	83-95 @ 38.5 (19-21 @ 1.52)
		Valve open — N at mm (lb. at in.)	None	248-285 @ 28.4 (56-64 @ 1.12)

(a) Forged High-Hot Strength Steel, Stellite Seat, Hard Chrome Plated Stem.

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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	None
	Timing gear or chain	None	
	Cylinder walls	Splash	
Oil pump type		GEAR	Trochoid
Normal oil pressure-kPa(psi) at engine rpm		379 (55)	441 (64) @ 5000
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)	4.7 (5.0) qts 5.5 w/filter
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	Below 0°C (32°F) SE/CC, SF/CC 10W30
Minus 17.7°C to +15.5°C (0 to 60°F)		10W, 5W-30, 10W-30, 10W-40	Above 0°C (32°F) SE/CC, SF/CC SAE 30
Minus 6.6°C(20°F) & Below		5W-20, 10W-30	
Engine service reqmt. (SD, SE, etc.)		SE	SE/CC, SF/CC

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single	
Muffler No. & Type (reverse flow, straight thru, separate resonator)		One, Reverse Flow	
Resonator No. & type		One, Straight Thru (a)	--
Exhaust Pipe	Branch O.D., wall thickness	--	--
	Main O.D., wall thickness	44.45 (1.75)	
	Material	Stainless Steel Tubing	
Intermediate Pipe	O.D. & wall thickness	50.8 (2.0)	
	Material	Aluminum Coated Steel	
Tail Pipe	O.D. & wall thickness	44.45 (1.75)	
	Material	Aluminum Steel Tubing	Aluminum Coated Steel

(a) California Only.

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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 Injection
Fuel Tank	Refill capacity — L (U.S. gals.)		47.3 (12.5) Approximately	
	Filler location		Left Rear Quarter Panel	
Fuel Pump	Type (elec. or mech.)		Mechanical	None
	Locations On Engine		Lower LF	--
	Pressure range — kPa (psi)		34-45 (5.0-6.5)	--
Fuel Filter	Type		Fine Mesh Plastic Strnr in Gas Tank &	Fuel Fltr/Water
	Locations		Paper Filter Element in Carb Inlet	Separator Eng Comp Primer
Carburetor	Choke type		Electric	None
	Intake manifold heat control (exhaust or water)		Exhaust	None
	Air cleaner type	Standard	Replaceable paper element, Single Snorkel	Remote Replaceable Paper
		Optional		
	Idle spd.-rpm (spec. neutral or drive)	Manual	800 (700 with 3.36:1 axle)	620
		Propane (Neu.)		
		Automatic	700	720
		Propane (Neu.)		
	Idle A/F mix.			None

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in.³)	Transmission	Carburetors Make	Carburetors Model	No. Used and Type (Barrels)	Barrel Size
All	1.6 (98)	Manual Automatic	Holley	14023703 (14023707) 14023704 (14023708)	One 2-Bbl	Pri-32(1.26) Sec-36(1.417)

Engine — Diesel Information

Glow plug		Yes
Injector nozzle	Type	Throttle
	Opening pressure — kPa. (psi)	11760 kPc (1707)
Pre-Chamber design		Ricardo Comet V
Fuel injection pump	Manufacturer	Diesel Kiki
	Type	Distributor
Supplementary vacuum source (type)		Generator Driven Wet-Vane Type

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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)		88 (190)	82 (180)
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm			
	Number of pumps		One	
	Drive (V-belt, other)		V-Belt	
	Bearing Type		Double Row Ball	Double Ball Bearing Unit
By-pass recirculation type (inter., ext.)			Internal	External
Radiator core type (cross-flow vertical, cellular, tube and fin, other)			Cross Flow, Tube & Center	
Cooling System Capacity	With heater — L (qt.) (*)		8.67 (9.16)	8.06 (8.52)
	Without heater — L (qt.)		Heater Standard Equipment	
	Opt. equipment-specify — L (qt.)		8.76 (9.26)	N.A.
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	One, Molded
		Inside diameter		16 (0.630)
Radiator (Core)	Standard	Width	304.8 (12.0)	430.0 (16.9)
		Height	375.2 (14.8)	387.5 (15.25)
		Thickness	31.5 (1.24)	25.0 (.98)
	A/C	Width	426.7 (16.8)	--
		Height	375.2 (14.8)	--
		Thickness	31.5 (1.24)	--
	Heavy duty	Width	426.7 (16.8)	--
		Height	375.2 (14.8)	--
		Thickness	31.5 (1.24)	--
Fan (Standard)	Number of blades & type - Flex/Solid		4, Staggered	7, Plastic Blades, Fan Clutch
	Diameter		330 (13.0)	390 (15.35)
	Ratio — fan to crankshaft rev.			1.11
	Fan cutout type		None	Clutch
	Drive Type-Number of Fans		V-Belt - One	
Fan (optional)	No. of blades and spacing		7, Staggered	None
	Diameter		360 (14.17)	--
	Ratio — fan to crankshaft rev			--
	Fan cut-out type		Clutch	--
	Drive Type-Number of Fans		V-Belt - One	--

(*) Base Transmission
(@) With Air Conditioning

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Engine Code			RPO L17	RPO LJ5
Vehicle Emission Control				
	Type (Air injection, engine modifications, other)		Air Injection W/Computer Command Control	None
Exhaust Emission 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.)		None
		Point of entry		
		Injection tube i.d.		
		Check valve type		
		Backfire protection (type)		
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled Flow	None
		Valve type	Vacuum Modulated Shut-Off & Metering	
		Valve location	Inlet Manifold	
		Control energy source	Carburetor Vacuum	
		Exhaust source	Manifold	
		Exhaust cooler type	None	
		Orifice no. and size	One	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold	
	Catalytic Converter System	Catalyst — Type	Platinum-Palladium	None
		Catalyst — Volume — L (in^3)	2.622 (160)	
		Substrate type	Single 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.	None

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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	Diaphragm
	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	None
	Carbu-etor	Vapor vented to (crankcase, canister, other)			
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister	
		Volume — dm^3 (ft^3) or capacity (grams)		Approx. 30 Grams	
		Control valve type		Vacuum Diaphragm Controlled Constant Orifice	

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

Car Line CHEVETTE
Model Year 1981 Issued 9-80 Revised (•) 2-81

Engine Description / Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17	1.8 LITER L-4 (110 CID) FUEL INJECTION (DIESEL) RPO LJ5

Electrical — Supply System

Battery	Make and Model		Delco "Freedom II"	
	Voltage Rtg — V— & Total Plates		12 Volt	
	SAE Designation No. and/or capacity		58 Min.Res.Cap. (M/T) 75 Min.Res.Cap. (A/T)	135 Min.Res.Capacity
	Location		Engine Compartment, R.F.	Engine Compartment, L.F.
Generator or Alternator	Make		Delco Remy	Hitachi
	Model		1100138	LR155-12B (With Vacuum Pump & IC Regulator
	Type and rating			
	Output at engine idle (neutral) A			M/T 9, A/T 18
	Ratio — Gen. to Crls rev.			1.75
Regulator	Make		Delco Remy	Hitachi
	Model			
	Type		Micro Circuit Unit; Integral with Distributor	IC Integral With Alternator
	Regulated — Voltage			
	Regulated — Current A			
	Voltage test conditions — Temperature — °C (°F)			
	Voltage test conditions — Load A			
	Voltage test conditions — Other			

Electrical — Starting System

Starting Motor	Make			Delco Remy	Hitachi
	Model				S13-62A (Reduction)
Motor Drive	Engagement Type			Positive Shift Selenoid	
	Pinion engages from (front, rear)			Rear	
	Number of teeth	Pinion		9	
		Flywheel	Manual	153	115
			Auto	153	115

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Car Line CHEVETTE
Model Year 1981 Issued 9-80 Revised (*) 2-81

Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17	1.8 LITER L-4 (110 CID) FUEL INJECTION (DIESEL) RPO LJ5

Electrical — Ignition System — Distributor

Distributor	Manual	1110580	
	Automatic	1110580	-
Timing	Manual	18° BTC	NOT
	Automatic	18° BTC	APPLICABLE

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

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Car Line CHEVETTE
Model Year 1981 Issued 9-80 Revised (*) 2-81

Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17	1.8 LITER L-4 (110 CID) FUEL INJECTION (DIESEL) RPO LU5

Electrical — Ignition System

Type	Conventional — Std., Opt., N.A.		---	
	Transistorized — Std., Opt., N.A.		---	
	Other (specify)		HIGH ENERGY IGNITION (HEI)	
Coil	Make		DELCO REMY	NOT
	Model		MOUNTED TO CASE	
	Current	Engine stopped — A		APPLICABLE
		Engine idling — A		
Spark Plug	Make		A.C.	
	Model		R42TS	
	Thread (mm)		14	
	Tightening torque — N-m (lb. ft.)			
	Gap		0.889 (.035)	

Electrical — Suppression

Locations & type	

Electrical — Instruments and Equipment

Speedometer	Type	CIRCULAR DIAL WITH POINTER
	Trip odometer (std., opt., N.A.)	NA
EGR maintenance indicator		NA
Charge Indicator	Type	TELL-TALE
	Warning device	NA
Temperature Indicator	Type	TELL-TALE
	Warning device	NA
Oil pressure Indicator	Type	TELL-TALE
	Warning device	NA
Fuel Indicator	Type	ELECTRIC GAUGE
	Warning device	NA
Windshield Wiper	Type — standard	ELECTRIC 2-SPEED
	Type — optional	INTERMITTENT WINDSHIELD WIPER SYSTEM
	Blade length	403.4 (15.9 IN)
	Swept area — cm^2 ($in.^2$)	3951 (612.5 IN^2)
Windshield Washer	Type — standard	PUSH-BUTTON
	Type — optional	NONE
	Fluid level indicator	NA
Horn	Type	VIBRATOR
	Number used	ONE
CURRENT DRAW (A) PER HORN		4.5-6.0 @ 12.5 VOLTS
Other		PARKING BRAKE WARNING LIGHT AND BRAKE FAILURE WARNING LIGHT, RESTRAINT SYSTEM WARNING LIGHT AND BUZZER.

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Car Line CHEVETTE
Model Year 1981 Issued 9-80 Revised (•) 2-81

Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17	1.8 LITER L-4 (110 CID) FUEL INJECTION (DIESEL) RPO LJ5

Drive Units — Clutch (Manual Transmission)

Make & type		Borg & Beck, Diaphragm	Daikin, Dry Single Plate
Type pressure plate springs			Diaphragm
Total spring load — N (lb.)			3234 (727)
No. of clutch driven discs		One	
Clutch facing	Material	Molded Type Asbestos	Special Woven N13
	Manufacturer	Borg & Beck	Hitachi Kasei
	Part Number		
	Rivets/Plate	16	
	Rivet size	3.63 x 5.41 (.143 x .213)	4.0 (0.157)
	Outside & inside dia.	180 x 131 (8.0 x 5.16)	180 x 131 (8.0 x 5.16)
	Total eff. area-cm² (in.²)	239.5 (37.14)	362.9
	Thickness	3.35-3.51 (.135-.145)	3.5 (.138)
	Engagement Cushion method	Flat Spring Steel Between Facings	
Release bearing	Type & method of lubrication	Single Row Ball, Packed & Sealed	Angular Contact Ball Bearings Packed & Sealed
Torsional damping	Method: springs, friction material	Coil Springs	

Drive Units — Transmissions

Manual 3-speed (std., opt., N.A.)	N.A.	
Manual 4-speed (std., opt., N.A.)	Base	N.A.
Manual 5-speed (std., opt., N.A.)	N.A.	Base
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	5
Transmission ratios	In first		3.75	3.79
	In second		2.16	2.18
	In third		1.38	1.42
	In fourth		1.00	
	In fifth		---	.86
	In overdrive			--
	In reverse		3.82	3.76
Synchronous meshing, specify gears			All Forward Gears	
Shift lever location			Floor Mounted	
Lubricant	Capacity — L (pt.)		1.6 (3.4)	1.55 (3.3)
	Type recommended		GL-5 Gear Lubricant	
	SAE viscosity number	Summer	80W or 80W-90	SAE 5W-30SF
		Winter	80W or 80W-90	SAE 5W-30SF
		Extreme cold	80W or 80W-90	SAE 5W-30SF

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Car Line CHEVETTE
Model Year 1981 Issued 9-80 Revised (•) 2-81

Engine Description/Carb.	1.6 LITER L-4 (98 CID)	1.8 LITER L-4 (110 CID)
Engine Code	2-BBL CARBURETOR —	FUEL INJECTION (DIESEL)
	RPO L17	RPO LJ5

Drive Units — Automatic Transmission

Trade name		3-Speed Automatic	
Type (describe)		Torque Converter With Planetary Gears	
Selector	Location	'180c'	'200c'
	Ltr./No. Designation	Floor Mounted	
Gear Ratios	R	P-R-N-D-2-1	
	D	1.92	2.07
	L_3	1.00	1.00
	L_2	1.48	1.57
	L_1	2.40	2.74
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	2.25	
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	245 (9.65)	
Lubricant	Capacity — refill — L (pt.)	2.8 (6.0)	
	Type recommended	Dexron II	
Special transmission features		Torque Converter Clutch, 3rd Gear Lock-Up	

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)		Rear	
Description		Semi-Floating With Hypoid Overhung Pinion Gear	
Limited Slip differential, type		Not Available	
Drive Pinion Offset		28.4 (1.12)	
Drive pinion type		Hypoid Gear	
No. of differential pinions		Two	
Pinion adjustment (shim, other)		Shims	
Pinion bearing adj. (shim, other)		Collapsible Sleeve	
Driving wheel bearing type		Direct Single Row Ball	
Lubricant	Capacity — L (pt.)	0.8 (1.75)	
	Type recommended	GL-5 Gear Lubricant	
	SAE viscosity number — Summer	80W or 80W-90	
	SAE viscosity number — Winter	80W or 80W-90	
	SAE viscosity number — Extreme cold	80W or 80W-90	

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

Axle Ratio or Overall Ratio (:1)		3.70
No. of teeth	Pinion	10
	Ring gear or gear	37
Ring Gear O. D.		165 (6.50)
Transaxle	Transfer Gear Ratio	
	Final Drive Ratio	

MVMA Specifications Form
Passenger Car
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Car Line CHEVETTE
Model Year 1981 Issued 9-80 Revised (•) _____

Engine Description/Carb. Engine Code	2-DOOR COUPE	4-DOOR SEDAN

Drive Units — Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			(a)	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		N.A.	
	Manual 4-speed trans.		50.8 x 731.5 x 1.40 (2.0 x 28.8 x .055)	50.8 x 808.2 x 1.40 (2.0 x 31.8 x .055)
	Manual 5-speed trans.		N.A.	
	Overdrive		N.A.	
	Automatic transmission (b)		50.8 x 586.0 x 1.40 (2.0 x 23.1 x .055)	50.8 x 662.2 x 1.40 (2.0 x 26.1 x .055)
Intermediate bearing	Type (plain, anti-friction)		ANTI-FRICTION	
	Lubrication (fitting prepack)		PREPACK	
Slip Yoke	Type		SPLINE	
	Number of teeth		27	
	Spline O.D.		28 (1.12)	
Universal joints	Make and Mfg. No.	Front	SAGINAW 23	
		Rear		
	Number used		TWO	
	Type (ball and trunnion, cross)		CROSS	
	Rear attach (u-bolt, clamp, etc.)		U-BOLT	
	Bearing	Type (plain, anti-friction)	ANTI-FRICTION	
		Lubric. (fitting, prepack)	PREPACK	
Drive taken through (torque tube or arms, springs)			ARMS	
Torque taken through (torque tube or arms, springs)			TORQUE TUBE	

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

(a) STRAIGHT TUBE ATTACHED TO 'U' JOINTS TO A SOLID STEEL PINION EXTENSION. A TORQUE TUBE HOUSING EXTENSION SHAFT IS BOLTED.

(b) TUNED TORSIONAL DAMPER USED WITH AUTOMATIC TRANSMISSION.

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Car Line CHEVETTE

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

Engine Description/Carb. / Engine Code			2-DOOR HATCHBACK COUPE	4-DOOR HATCHBACK SEDAN
Drive Units — Tires And Wheels (Standard)				
TIRES	Size, load range, ply		P155/80R13 (BW, WW)*	
	Type (bias, radial, etc.)		GLASS BELTED RADIAL	
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	180 (26)	
		Rear-kPa (psi)	180 (26)	
	Rev./mile—at 70 km/h (45 mph)		569 (916)	
WHEELS	Type & material		SHORT YOKE DISC, STEEL	
	Rim (size & flange type)		13 x 5	
	Wheel offset		37 mm	
	Attachment	Type (bolt or stud)	STUD	
		Circle diameter	100 mm	
		Number & size	4 HEX NUTS - M12 x 1.5	
Spare tire and wheel (same or other)		WHEEL -	14 x 4 (49 mm); COMPACT TIRE - T115/70D14	
Drive Units — Tires And Wheels (Optional)				
Size, load range, ply			P175/70R13 (BW, WW, WL)	
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)				
Brakes — Parking				
Type of control			GRIP HANDLE	
Location of control			ON FLOOR BETWEEN SEATS	
Operates on			REAR SERVICE BRAKES	
If separate from service brakes	Type (internal or external)		---	
	Drum diameter		---	
	Lining size (length x width x thickness)		---	

(*) BLACKWALL STANDARD ON MODEL 1TJ08; WHITE WALL STANDARD ON MODEL 1TB00.

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

Body Type And/Or Engine Displacement

2-DOOR COUPE	4-DOOR SEDAN

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
Power Brake (std., opt., N.A.)				OPT.
Booster Type (remote, integral, vac., hyd., etc.)				INTEGRAL
Anti-skid device type (std., opt., N.A.)				N.A.
Effective area — cm^2 ($in.^2$)*				514.9 (79.83)
Gross lining area — cm^2 ($in.^2$)**				
Swept area — cm^2 ($in.^2$)***				1804.5 (279.77)
Rotor	Outer working diameter		F	246 (9.68)
			R	---
	Inner working diameter		F	143.8 (5.66)
			R	---
	Thickness		F	11 (.433)
			R	---
	Material & type (vented/solid)		F	CAST IRON, SOLID
			R	---
Drum	Diameter (nominal)		F	---
			R	200 (7.87)
	Type and material			DUO-SERVO; CAST IRON
Wheel cylinder bore	Front			47.62 (1.88)
	Rear			17.5 (0.69)
Master Cylinder	Bore			19 (0.75)
	Stroke			31 (1.22)
Pedal arc ratio				5.8:1 MANUAL; 4.75:1 POWER
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.		BONDED
		Rivet size		---
		Manufacturer		DELCO MORAINE
		Lining Code		
		Material		INNER-ORGANIC; OUTER-METALLIC
		**** Size Prim. or out-board		114 x 34 x 9.40 (4.49 x 1.34 x .370)
		**** Size Second or in-board		114 x 30 x 9.40 (4.49 x 1.18 x .370)
		Shoe thickness (no lining)		
	Rear Wheel	Bonded or riveted, rivets/seg.		RIVETED
		Manufacturer		DELCO MORAINE
		Lining Code		
		Material		ORGANIC
		**** Size Prim. or out-board		167.7 x 43.9 x 3.8 (6.6 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.

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Steering

			2-DOOR COUPE	4-DOOR SEDAN
Manual (std., opt., N.A.)			STD.	
Power (std., opt., N.A.)			OPT. (a)	
Adjustable steering wheel (tilt, swing, other)	Type and description		TILT-UNIVERSALLY JOINTED STEERING SHAFT AT BASE OF STEERING WHEEL	
	(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.)	34.3	2 dr cpe 30.8 Sedan
		Curb to curb (l. & r.)	30.2	
	Inside rear	Wall to wall (l. & r.)	16.5	
		Curb to curb (l. & r.)	15.9	
Manual	Gear	Type	RACK & PINION	
		Make	SAGINAW STEERING GEAR	
		Ratios — Gear	19.0:1	
		Ratios — Overall	18.4:1	
	No. wheel turns (stop to stop)		3.6	
Power	Type (coaxial, linkage, etc.)			
	Make		SAGINAW STEERING GEAR	
	Gear	Type	RACK & PINION WITH INTEGRAL POWER UNIT	
		Ratios — Gear		
		Ratios — Overall	18.0:1	
	Pump driven by		'V' BELT	
	No. wheel turns (stop to stop)			
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.)		7.55	
	Bearings (type)	Upper	BALL STUD	
		Lower	BALL STUD	
		Thrust	NONE	
Steering spindle & joint type			FORGED KNUCKLE w/UPPER & LOWER SPHERICAL JOINTS	
Wheel Spindle	Diameter	Inner bearing	26.97 (1.06)	
		Outer bearing	17.45 (0.69)	
	Thread size		3/4 - 20 NEF (MIG-1)	
	Bearing type		TAPERED ROLLER	
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		

(a) AVAILABLE ONLY WITH AUTOMATIC TRANSMISSION AND AIR CONDITIONING.

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

	Body Type And/Or Engine Displacement	
	2-DOOR COUPE	4-DOOR SEDAN

Suspension — General

Car leveling	Standard/Optional/NA	N.A.
	Type (air, hyd., etc.)	---
	Manual/auto. controlled	---
Provision for brake dip control		FRONT SUSPENSION GEOMETRY
Provision for acc. squat control		REAR SUSPENSION GEOMETRY -
Special provisions for car jacking		POSITION JACK IN BUMPER SLOTS IN BOTTOM OF FRONT & REAR BUMPER FACE BARS
Shock absorber front & rear	Type	DIRECT, DOUBLE ACTING, HYDRAULIC
	Make	DELCO
	Piston dia.	25 (1.0)
Other special features		

Suspension — Front

Type and description		INDEPENDENT SLA
Travel	Full Jounce	
	Full Rebound	
Spring	Type (coil, leaf, other)	COIL
	Material	STEEL ALLOY
	Size (coil design height & I.D., bar length x dia.)	209.3(8.24) x 81.7 (3.22) x 2690.8 (105.9) x 12.06 (0.475)
	Spring rate — N/mm (lb./in.)	28 (160)
	Rate at wheel — N/mm (lb./in.)	12.9 (74)
Stabilizer	Type (link, linkless, frameless)	LINK, MOUNTED TO BODY FRONT RAILS
	Material & bar diameter	HR STEEL - 22 (.87); RPO F41 SPT. SUSP.-25 (1.0)

Suspension — Rear

Type and description			SOLID AXLE, POSITIONED BY LINKS, TORQUE TUBE & TRACK BAR
Drive and torque taken through			LINK, TORQUE TUBE
Travel	Full Jounce		
	Full Rebound		
Spring	Type (coil, leaf, other)		COIL
	Material		STEEL ALLOY
	Size (length x width, coil design height & I.D., bar length & dia.)		233.7(9.20) x 92.62(3.65) x 2301.9(90.6) x 13.19(0.519)
	Spring rate — N/mm (lb./in.)		27.1 (155)
	Rate at wheel — N/mm (lb./in.)		20.5 (117)
	Mounting insulation type		
	If leaf	No. of leaves	---
		Shackle (comp. or tens.)	---
Stabilizer	Type (link, linkless, frameless)		LINK, MOUNTED TO UNDERBODY (RPO F41 SPT. SUSP. ONLY)
	Material & bar diameter		HR STEEL - 16 (0.63)
Track bar type			TUBULAR, WITH RUBBER BUSHINGS

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Car Line CHEVETTE

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

Body Type		
2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
1TB08	1TJ08	1TB68

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		LACQUER
Hood hinge location (front, rear)		REAR
Hood counterbalance (type)		HOOD IS NOT COUNTERBALANCED. HOOD IS HELD OPEN WITH A ROD.
Hood release control (internal, external)		INTERNAL
Vehicle Ident. No. Location		TOP LEFT HAND OF INSTRUMENT PANEL PAD
Vent window control method (crank, friction pivot, power)	Front	NONE
	Rear	NONE
Seat cushion type	Front	FORMED FOAM PAD
	Rear	FORMED FOAM PAD
	3ro Seat	NONE
Seat back type	Front	FORMED FOAM PAD
	Rear	FORMED FOAM PAD
	3rd Seat	NONE
Method of holding luggage compart. lid open		TELESCOPING GAS STRUT - LEFT SIDE
Position of spare tire storage		FLAT UNDER REAR LOAD FLOOR

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 WITH CROSSMEMBER REINFORCEMENT

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Body Type		
2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
1TB08	1TJ08	

Convenience Equipment

Power windows	Side Windows	N.A.		
	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)		STANDARD ON 1TB00 MODELS		
Radios (specify type as well as availability)		AM-PUSH-BUTTON, STANDARD EQUIPMENT 1TB00 MODELS, OPTIONAL 1TJ08. OPTIONAL-AM/FM PUSH-BUTTON, AM/FM PUSH-BUTTON STEREO.		
Rear seat speaker		OPTIONAL	N.A.	OPTIONAL
Power antenna		N.A.		
Clock		OPTIONAL		
Air Conditioner (specify type)		OPTIONAL-"FOUR SEASON" WITH MANUAL CONTROL		
Speed warning device		N.A.		
Speed control device		N.A.		
Ignition lock lamp		N.A.		
Dome lamp		STANDARD		
Glove compartment lamp		OPTIONAL 1TB00 MODELS, NOT AVAILABLE 1TJ08		
Luggage compartment lamp		OPTIONAL		
Underhood lamp		OPTIONAL		
Courtesy lamp		OPTIONAL		
Map lamp		N.A.		
C nering 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 LEVER AND IGNITION.		

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

Car Line CHEVETTE

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

Vehicle Mass (Weight)

Model	CURB MASS, kg. (Weight, lb.)*			% PASS MASS DISTRIBUTION				SHIPPING MASS, kg (Weight, lb.)**
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
2-DOOR HATCHBACK	503.1	430.3	933.4					902.3
COUPE 1TB08	(1109)	(949)	(2058)	46.0	54.0	16.0	84.0	(1990)
2-DOOR HATCHBACK	479.5	429.1	908.6					882
COUPE 1TJ08	(1057)	(946)	(2003)	46.0	54.0	16.0	84.0	(1946)
4-DOOR HATCHBACK	514.1	448.3	962.4					936.0
SEDAN 1TB68	(1133)	(988)	(2122)	46.0	54.0	16.0	84.0	(2063)

CURB WEIGHT - THE CALCULATED WEIGHT OF A VEHICLE WITH STANDARD EQUIPMENT ONLY AS DESIGNED WITH THE ADDITIONAL LOAD OF OILS, LUBES, COOLANTS, AND FUEL FILLED TO CAPACITY.

SHIPPING WEIGHT - SAME AS BASE CURB WEIGHT EXCEPT 3 GALLONS OF GASOLINE.

*Reference — SAE J1100a, Motor Vehicle Dimensions, Curb Weight Definition.

**Shipping Mass (Weight) definition —

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Car Line CHEVETTE
Model Year '981 Issued 9-80 Revised (•) 2-81

Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Comfortilt Steering Wheel	1.4 (+ 3.0)	0.4 (+0.8)	1.8 (+ 3.8)	
Radio AM Push-Button	1.5 (+ 3.6)	0.4 (+0.3)	2.0 (+ 4.4)	Standard Equipment 1TB00 Models, Optional 1TJ08
Radio AM/FM Push-Button	0.2 (+ 0.4)	0 0	0.2 (+ 0.4)	1TB00
	1.8 (+ 4.0)	0.4 (+0.8)	2.2 (+4.8)	1TJ08
Radio AM/FM Stereo (3-speakers)	0.2 (+ 0.4)	0 0	0.2 (+ 0.4)	1TB00
	1.8 (+ 4.0)	0.4 (+0.8)	2.2 (+ 4.8)	1TJ08
Auxiliary Speaker - Rear	0 (0)	0.6 (+1.4)	0.6 (+ 1.4)	
3-Speed Automatic Transmission	12.4 (+27.4)	7.0 (+15.4)	19.4 (+42.8)	THM 180 1TB00
	13.2 (+29.2)	7.6 (+16.8)	20.8 (+46.0)	1TJ08
	10.0 (+22.0)	5.8 (+12.8)	15.8 (+34.8)	THM 200 1TB00
	11.0 (+24.2)	6.2 (+13.6)	17.2 (+37.8)	1TJ08
	10.2 (+22.5)	5.2 (+11.5)	15.4 (+34.0)	THM 200 Used With Diesel Engine RPO LJ5
1.8 Liter L-4 (110 CID) RPO LJ5 Diesel)	56.6 (+124.8)	-4.0 (-8.8)	52.6 (+116.0)	1TB00

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

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

Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Air Conditioning	29.4	6.2	35.6	4-Speed Transmission
	(+64.8)	(+13.6)	(+78.4)	
	28.6	6.2	34.8	Automatic Transmission
	(+63.0)	(+13.6)	(+76.6)	
Floor Mats Front & Rear	2.0	1.2	3.2	
	(+ 4.4)	(+2.6)	(+ 7.0)	
Power Brakes	2.6	0.4	3.0	
	(+ 6)	(+1)	(+7)	
Power Steering	10.0	0	10.0	
	(+22)	0	(+22)	
Deluxe Exterior	0.2	0	0.2	1TB00
	(+ 0.4)	0	(+ 0.4)	
Dual Sport Rear View Mirrors (L.H. Remote, Man Convex RH)	0.8	0.4	1.2	1TB00
	(+ 1.8)	(+0.8)	(+ 2.6)	
Molding-Body Side	0.4	0.6	1.0	1TJ08
	(+ 0.8)	(+1.4)	(+ 2.2)	
Sport Suspension	0.6	3.4	4.0	Available only with steel belted radial tires
	(+ 1.3)	(+7.5)	(+ 8.8)	
Heavy duty battery	2.0	-0.2	1.8	
	(+ 4.4)	(-0.4)	(+ 4.0)	
Heavy duty cooling	0.9	0.0	0.9	
	(+ 2.0)	0	(+ 2.0)	
Luggage Carrier (Roof Mounted)	1.8	3.2	5.0	1TB & 1TJ08
	(+ 4.0)	(+7.0)	(+11.0)	
	2.0	3.4	5.4	1TB68
	(+ 4.4)	(+7.4)	(+11.8)	
Washer ¢ Wiper - Rear	-0.4	2.4	2.0	
	(-0.8)	(+5.2)	(+ 4.4)	

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

MVMA Specifications Form
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Car Line CHEVETTE

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

Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type: 2-DOOR HATCHBACK COUPES 1TB08	2-DOOR HATCHBACK COUPES 1TJ08	4-DOOR HATCHBACK SEDAN 1TB68
Front Compartment				
Sg RP front, "X" coordinate	L31	1118 (44.0)		
Effective head room	H61	968 (38.1)		973 (38.3)
Effective T Point head room	H75	974 (38.3)		978 (38.5)
Max. eff. leg room — accelerator	L34	1058(41.6)	1056(41.6)	1058 (41.6)
Sg RP — front to heel	H30	259(10.2)	266(10.5)	259 (10.2)
Design H-point front travel	L17	134 (5.3)		
Shoulder room	W3	1273 (50.1)		1266 (49.8)
Hip room	W5	1268 (49.9)		1256 (49.4)
** Upper body opening to ground	H50			
Steering Wheel Angle	H18	30.2°		
Back Angle	L40	26.5°		
Rear Compartment				
Sg RP Point couple distance	L50	678 (26.7)		754 (29.7)
Effective head room	H63	947 (37.3)		949 (37.4)
Effective T Point head room	H76	941 (37.0)		944 (37.2)
Min. effective leg room	L51	785(30.9)	770(30.3)	860 (33.9)
Sg RP — second to heel	H31	268 (10.5)		
Knee clearance	L48	-62(-2.4)	-67(-2.6)	3.5 (0.1)
Compartment room	L3	569 (22.4)		644 (25.3)
Shoulder room	W4	1254 (49.4)		1256 (49.4)
Hip room	W6	1036 (40.8)		
** Upper body opening to ground	H51	---		
Luggage Compartment				
Usable luggage capacity — L(cu. ft.)	V1	--		
** Liftover height	H195	753 (29.6)		756 (29.8)

All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

ALL INTERIOR DIMENSIONS ARE MEASURED WITH THE SEATING REFERENCE POINT (SgRP) FULL REAR AND ____ mm UPWARD OF REARMOST SEAT POSITION.

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

Car Line CHEVETTE

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 COUPES 1TB08	2-DOOR HATCHBACK COUPES 1TJ08	4-DOOR HATCHBACK SEDAN 1TB68
Width				
Tread — Front	W101	1300 (51.2)		
Tread — Rear	W102	1300 (51.2)		
Vehicle width	W103	1570 (61.8)		
Body width at Sg RP — front	W117	1546 (60.9)		
Vehicle width — front doors open	W120	3384 (133.2)		3048 (120.0)
Vehicle width — rear doors open	W121	---		2974 (117.1)
Length				
Wheelbase	L101	2394 (94.3)		2471 (97.3)
Vehicle length	L103	4111 (161.9)		4188 (164.9)
Overhang — front	L104	787 (31.0)		
Overhang — rear	L105	930 (36.6)		
Upper structure length	L123	2510 (98.8)		2586 (101.8)
Rear wheel C/L "X" coordinate	L127	2179 (85.5)		
Cowl point "X" coordinate	L125	306 (12.0)		
Height **				
Passenger Distribution (frt./rear)	PD1,2,3	**		
Trunk/Cargo load		**		
Vehicle height	H101	1344(52.9)	1343(52.9)	1343 (52.9)
Cowl point to ground	H114	897(35.3)	896(35.3)	897 (35.3)
Deck point to ground	H138			
Rocker panel front to ground	H112	209(8.2)	208(8.2)	209 (8.2)
Bottom of door closed - front to grd.	H133	271(10.7)	270(10.6)	271 (10.7)
Rocker panel rear to ground	H111	204 (8.0)		
Bottom of door closed - rear to grd.	H135	---		
Ground Clearance **				
Front bumper to ground	H102	330 (13.0)		
Rear bumper to ground	H104	330 (13.0)		
Bumper to ground — front at curb mass (wt.)	H103	357 (14.1)		
Bumper to ground — rear at curb mass (wt.)	H105	349 (13.7)		
Angle of approach @ GVW	H106	19.0°	18.9°	19.0°
Angle of departure @ GVW	H107	19.5°		19.3°
Ramp breakover angle @ GVW	H147	18.2°		17.6°
Rear axle differential to ground	H153	270 (10.6)		
Min. running ground clearance	H156	147(5.8)(a)	146(5.7)(a)	147(5.8)(a)
Location of min. run. grd. clear.		(a) K-BRACE UNDER FRONT CROSSMEMBER		

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

Car Line CHEVETTE

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

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

		Body Type		
SAE Ref. No.		2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
		1TB08	1TJ08	1TB68

Station Wagon — Third Seat

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

Station Wagon — Cargo Space

Cargo length — open — front	L200	
Cargo length — open — second	L201	
Cargo length — closed — front	L202	NOT
Cargo length — closed — second	L203	APPLICABLE
Cargo length at belt — front	L204	
Cargo length at belt — second	L205	
Cargo width — wheelhouse	W201	
Rear opening width at floor	W203	
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	488 (19.2)	488 (19.2)
Cargo length at front seat Back Height	L208	1024 (40.3)	1100 (43.3)
Cargo length at floor — front	L209	1471 (57.9)	1547 (60.9)
Cargo volume index — m^3 ($ft.^3$)	V3	764L (27.0 cu.ft.)	811L (28.6 cu.ft.)
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 CHEVETTE

Model Year 1981 Issued 9-80 Revised (•)

Body Type		
2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
1TB08	1TJ08	1TB68

Vehicle Fiducial Marks

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

Fiducial Mark Number			
Front	W21	504 (19.8)	
	L54	750 (29.5)	
	H81	150 (5.9)	
	H161	290 (11.4)	
**	H163	267 (10.5)	
Rear	W22	195 (7.7)	
	L55	2850 (112.2)	2926 (115.2)
	H82	278 (10.9)	
	H162	423 (16.7)	
**	H164	404 (15.9)	

* 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

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Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVETTE

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

		Body Type		
	SAE Ref. No.	2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
		1TB08	1TJ08	1TB68
Glass				
Backlight slope angle	H121	62.5°		
Windshield slope angle	H122	52.8°		
Tumble-Home	W122	20.3°		
Windshield glass exposed surface area — cm^2 ($in.^2$)	S1	6735 (1043.9)		
Side glass exposed surface area — cm^2 ($in.^2$)	S2	9926 (1538.5)		10903 (1690.0)
Backlight glass exposed surface area — cm^2 ($in.^2$)	S3	5835 (904.4)		
Total glass exposed surface area — cm^2 ($in.^2$)	S4	22496(3486.9)		23473 (3638.3)
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 **	642(25.3)	640(25.2)	642(25.3)
	Lowest	---		
Tail (H128)	Highest	676(26.6)		
	Lowest	---		
Sidemarker	Front	516(20.4)		
	Rear	676(26.6)		
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
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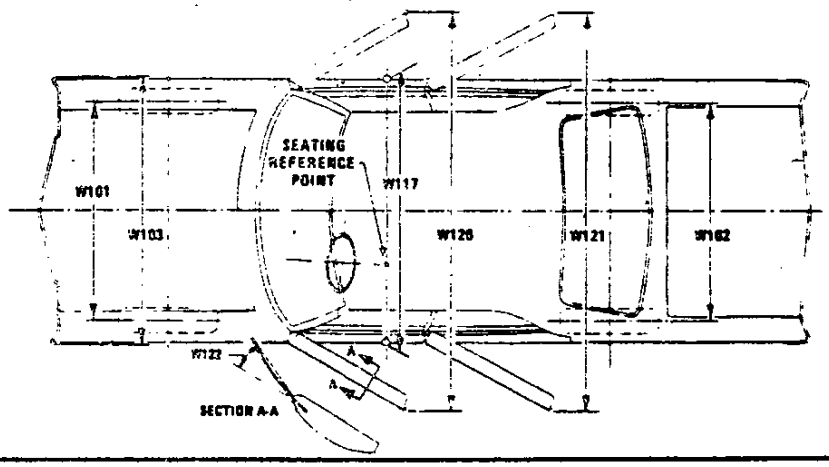
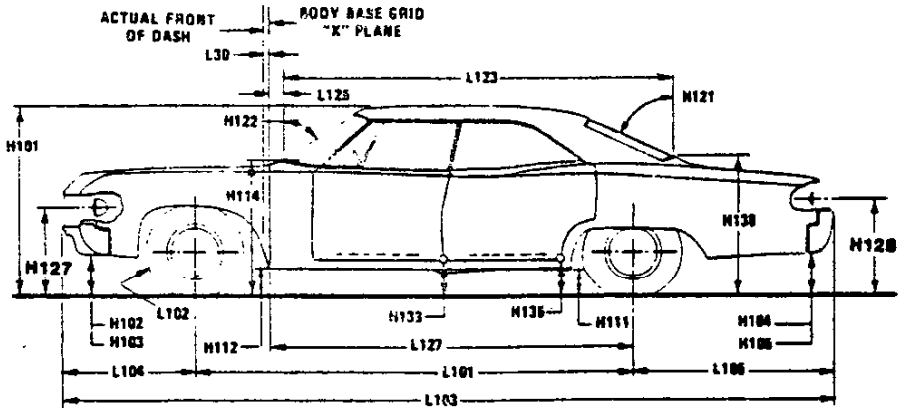
Exterior Car And Body Dimensions — Key Sheet

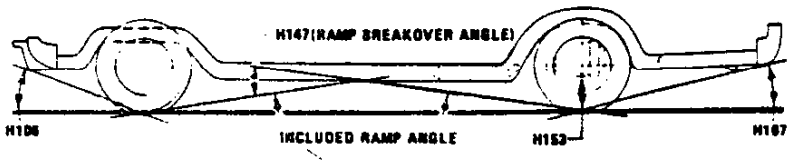
Exterior Width



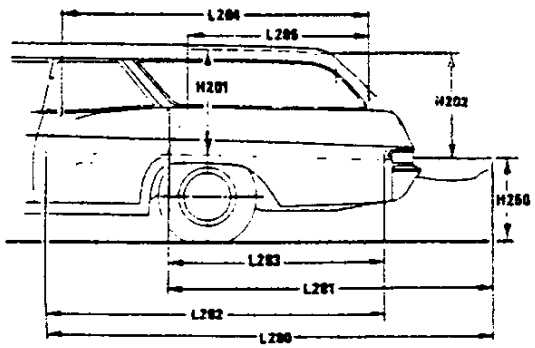
Exterior Length & Height



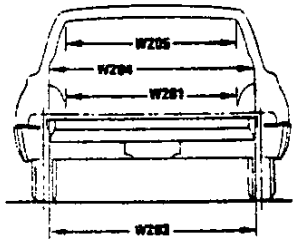
Exterior Ground Clearance

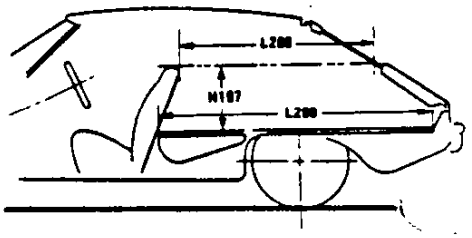


Cargo Space



Station Wagon





Hatchback

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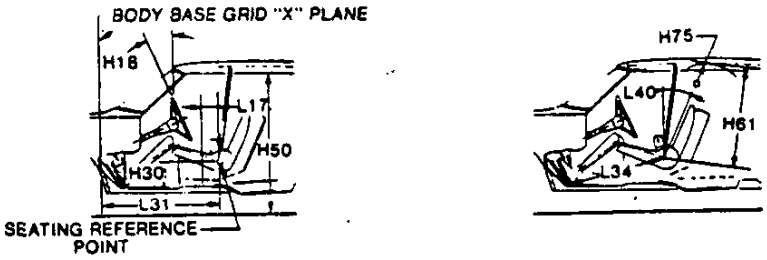
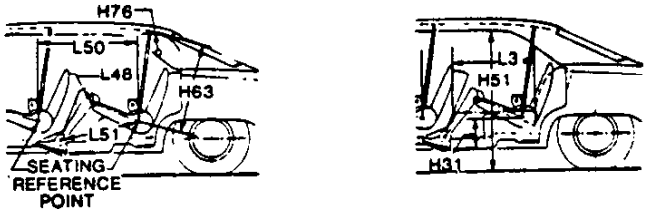
Interior Car And Body Dimensions — Key Sheet

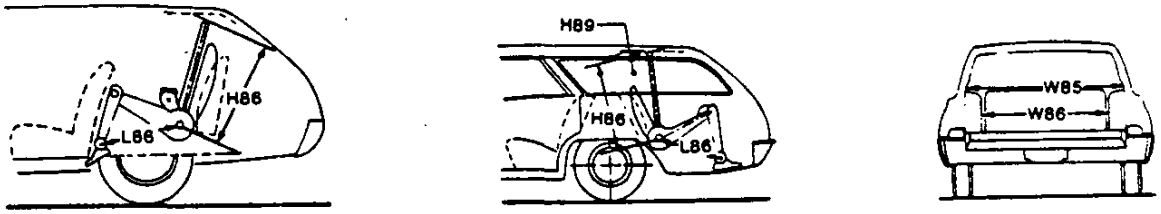
Front Compartment



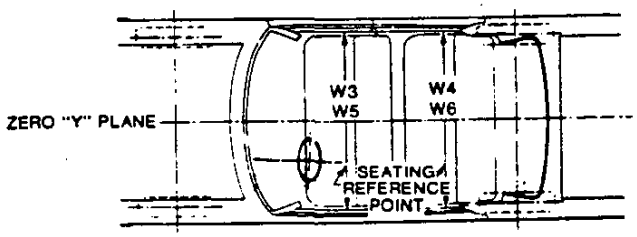
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form
Passenger Car
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Exterior Car And Body Dimensions — Key Sheet
Dimensions Definitions

Seating Reference Point

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

(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;

(b) Has coordinates established relative to the design vehicle structure;

(c) Simulates the position of the pivot center of the human torso and thigh; and

(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

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

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

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

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

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

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

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

Length Dimensions

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

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

L102 TIRE SIZE. As specified by the manufacturer.

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

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

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

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

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

L125 COWL POINT "X" COORDINATE.

Height Dimensions

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

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

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

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

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

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

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

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

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

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

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

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

Ground Clearance Dimensions

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

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

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

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

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

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 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 seatt ack is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION — SECOND.

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

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

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

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

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

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

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

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

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

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

Luggage Compartment Dimensions

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

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

Station Wagon — Third Seat Dimensions

PD3 PASSENGER DIRECTION — THIRD

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

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

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

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

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

Station Wagon — Cargo Space Dimensions

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

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

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

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:

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

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Specifications Form Passenger Car

1981

METRIC (U.S. Customary)

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

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

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

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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 CHEVETTE

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)
CHEVETTE	MODELS	FRONT	REAR	
2-Door Hatchback Coupe	1TB08	2	2	
2-Door Hatchback Coupe	1TJ08	2	2	
4-Door Hatchback Sedan	1TB68	2	2	

NOTE: Any Specifications on the Following Pages that are Specific 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	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)	
	Displ. liters (in^3)	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 1.6 (98) (L17)	2	8.6:1	70 @ 5200	82 @ 2400	S	MAN 4-SPD - BASE (3.75:1 LOW)	3.36:1* 3.70:1	--
							AUTO '180c'-AVAIL (AUTO '200c'-AVAIL)@	3.70:1	--

* With 1TJ08 only - A/C Not Available

LIMITED SLIP DIFFERENTIAL NOT AVAILABLE.

(@) AIR CONDITIONING NOT AVAILABLE.

*S — Single D — Dual

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

Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

Engine — General

Type (inline, V and Angle, Flat)		OHC, INLINE
Location (Front, Mid, Rear)		FRONT
Engine installation position (transverse, longitudinal)		LONGITUDINAL
Number of mtg. points	Front	TWO
	Rear	ONE
No. of cylinders		4
Bore		82 (3.23)
Stroke		75.7 (2.98)
Piston Displacement cm^3 (in^3)		1605 (98.0)
Bore Spacing (C/L to C/L)		91.4 (3.6)
Cylinder Block Material		CAST ALLOY IRON
Cylinder block deck height		198 (7.8)
Deck clearance (minimum) (above or below block)		'0'
Cylinder Head Material		CAST ALLOY IRON
Cylinder Head Volume — cm^3		43.6
Head Gasket Thickness (Compressed)		.031
Head Gasket Volume — cm^3		4.8
Minimum Combustion Chamber Volume — cm^3		42.7
Cyl. No. system (front to rear)**	L Bank	1-2-3-4
	R. Bank	---
Firing Order		1-3-4-2
Recommended fuel (Leaded, unleaded)		UNLEADED
Fuel antiknock index $\frac{(R+M)}{2}$		87
Total dressed engine mass (wt) dry *		144.1 (317.7)

Engine — Pistons

Material			CAST ALUMINUM ALLOY
Description and finish (Flat, dished, dome, etc.)			SUMP HEAD, SLIPPER SKIRT
Mass, g (weight, oz.) — Piston Only			400 (14.11)
Clearance (limits)	Top land		.67-.91 (.026-.035)
	Skirt	Top	.020-.040 (.0007-.0015)
		Bottom	
Ring groove diameter	No. 1 ring		72.65-73.05 (2.860-2.876)
	No. 2 ring		72.65-73.05 (2.860-2.876)
	No. 3. ring		72.53-72.93 (2.856-2.871)

*Dressed engine mass (weight) includes the following: FRONT OF ENGINE FAN TO REAR OF ENGINE BLOCK - INCLUDES ENGINE MOUNTS AND ACCELERATOR CONTROLS.

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

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

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 (A)
	Width (B)	UPPER-1.943-1.969 (.0765-.0775)
	Gap	.23-.46 (.009-.018)
Oil	Description — material, coating, etc.	(2) RAILS-STEEL, CHROME PLATED (1) EXPANDER-STAINLESS STEEL SS-50
	Width	3.98-4.03 (.157-.159)
	Gap	0.38-1.40 (.015-.055)
Expanders		IN OIL RING ASSEMBLY

Engine — Piston Pins

Material			CHROMIUM STEEL
Length			69.7-70.3 (2.744-2.768)
Diameter			22.992-22.995(.9052-.9053)
Type	Locked in rod, in piston, floating, etc.		LOCKED IN ROD
	Bushing	In rod or piston	NONE
		Material	---
Clearance	In piston		.003-.007(.00012-.00027)
	In rod		
Direction & amount offset in piston			MAJOR THRUST SIDE-1.5(.059)

Engine — Connecting Rods

Material		FORGED STEEL 1141
Mass, g (weight, oz.)		354 (12.49)
Length (center to center)		122 (4.803)
Bearing	Material & Type	PREMIUM ALUMINUM
	Overall length	18.80-19.05 (.74-.75)
	Clearance (limits)	.33-.52 (.013-.060)
	End Play	.11-.32 (.004-.012)

(A) LOWER - CAST ALLOY IRON, TAPERED FACE, BARREL FACE.
(B) LOWER - 1.958-1.981 (.0771-.0780)

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

Engine — Crankshaft

Material			NODULAR CAST IRON
Vibration damper type			RUBBER MOUNTED INERTIA
End thrust taken by bearing (No.)			5
Crankshaft end play			.010-.020 (.004-.008)
Main bearing	Material & type		PREMIUM ALUMINUM
	Clearance		.008-.074 (.0003-.0029)
	Journal dia. and bearing overall length	No. 1	51.012 x 17.875 (2.0083 x .7037)
		No. 2	51.012 x 17.875 (2.0083 x .7037)
		No. 3	51.012 x 17.875 (2.0083 x .7037)
		No. 4	51.012 x 17.875 (2.0083 x .7037)
		No. 5	51.000 x 23.875 (2.0078 x .9399)
		No. 6	---
		No. 7	---
	Dir. & amt. cyl. offset		---
	No. bolts/main brg. cap		TWO
Crankpin journal diameter			45.958-45.984 (1.809-1.810)

Engine — Camshaft

Location			IN CYLINDER HEAD
Material			CAST ALLOY IRON
Bearings	Material		STEEL BACKED BABBITT
	Number		5
Type of Drive	Gear, chain or belt		TIMING BELT
	Crankshaft gear or sprocket material		SINTERED IRON, CARBONITRIDED
	Camshaft gear or sprocket material		CAST IRON
	Timing chain	No. of links	100
	Chain or Belt	Width	19 (.748)
		Pitch	9.5 (.375)

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

Engine — Valve System

Hydraulic lifters (Std., opt., NA)			HYDRAULIC VALVE LASH ADJUSTERS
Valve rotator type (intake, exhaust)			NONE
Push rods (dia., length, material)			NONE
Rocker ratio			1.6:1
Operating tappet clearance (indicate hot or cold)	Intake		ZERO
	Exhaust		ZERO
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28
		Closes (°ABC)	76
		Duration (deg.)	284
	Exhaust	Opens (°BBC)	72
		Closes (°ATC)	32
		Duration (deg.)	284
	Valve open overlap (deg.)		60
Intake Valve	Material		8440 STEEL, ALUMINIZED HEAD & SEAT, CHROME FLASH STEM
	Overall length		98.245-98.755 (3.868-3.888)
	Actual overall head dia.		38.87-39.13 (1.53-1.54)
	Angle of seat & face (deg.)		46,45
	Seat insert material		NONE
	Stem diameter		7.970-7.986(.3138-.3144)
	Stem to guide clearance		.046-.053(.0018-.0021)
	Lift (at zero lash)		9.83 (.387)
	Outer Spring press. & length	Valve closed — N at mm (lb. at in.)	284-320 @ 32 (64-72 @ 1.26)
		Valve open — N at mm (lb. at in.)	743-797 @ 22.5 (167-179 @.886)
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	NONE
		Valve open — N at mm (lb. at in.)	NONE
Exhaust Valve	Material		ARMCO 21-2 STELLITE SEAT, FULL CHROME STEM
	Overall length		98.70-99.21 (3.886-3.906)
	Actual overall head dia.		31.87-32.13 (1.255-1.265)
	Angle of seat & face (deg.)		46,45
	Seat insert material		NONE
	Stem diameter		7.95-7.98(.313-.314)
	Stem to guide clearance		.066-.074 (.0026-.0029)
	Lift (at zero lash)		9.83 (.387)
	Outer spring press. & length	Valve closed — N at mm (lb. at in.)	284-320 @ 32 (64-72 @ 1.26)
		Valve open — N at mm (lb. at in.)	743-797 @ 22.5 (167-179 @ .886)
	Inner spring press. & length	Valve closed — N at mm (lb. at in.)	NONE
		Valve open — N at mm (lb. at in.)	NONE

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

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	NONE
	Cylinder walls	SPLASH
Oil pump type		GEAR
Normal oil pressure-kPa(psi) at engine rpm		379 (55)
Type oil intake (floating, stationary)		STATIONARY
Oil filter system (full flow, part, other)		FULL FLOW
Capacity of c/case, less filter-refill-L(qt.)		3.8 (4.0)
Oil grade recommended (SAE viscosity and temperature range)		
MINUS 6.6°C(20°F)& ABOVE		20W-20,10W-30,10W-40,20W-40,20W-50
MINUS 17.7°Cto+15.5°C (0 to 60°F)		10W,5W-30,10W-30,10W-40
MINUS 6.6°C(20°F)& BELOW		5W-20,10W-30
Engine service reqmt. (SD, SE, etc.)		SE

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		SINGLE
Muffler No. & Type (reverse flow, straight thru, separate resonator)		ONE, REVERSE FLOW
Resonator No. & type		ONE, STRAIGHT THRU (a)
Exhaust Pipe	Branch O.D., wall thickness	---
	Main O.D., wall thickness	44.45 (1.75)
	Material	STAINLESS STEEL TUBING
Intermediate Pipe	O.D. & wall thickness	50.8 (2.0)
	Material	ALUMINUM COATED STEEL
Tail Pipe	O.D. & wall thickness	44.45 (1.75)
	Material	ALUMINUM STEEL TUBING

(a) CALIFORNIA ONLY.

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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.)		47.3 (12.5) APPROXIMATELY
	Filler location		LEFT REAR QUARTER PANEL
Fuel Pump	Type (elec. or mech.)		MECHANICAL
	Locations ON ENGINE		LOWER LF
	Pressure range — kPa (psi)		34-45 (5.0-6.5)
Fuel Filter	Type		FINE MESH PLASTIC STRAINER IN GASOLINE TANK &
	Locations		PAPER FILTER ELEMENT IN CARBURETOR INLET
Carburetor	Choke type		ELECTRIC
	Intake manifold heat control (exhaust or water)		EXHAUST
	Air cleaner type — Standard		REPLACEABLE PAPER ELEMENT, SINGLE SNORKEL
	Air cleaner type — Optional		
	Idle spd.-rpm (spec. neutral or drive) — Manual		800 (700 with 3.36:1 axle)
	Idle spd.-rpm (spec. neutral or drive) — Propane (Neu.)		
	Idle spd.-rpm (spec. neutral or drive) — Automatic		700
	Idle spd.-rpm (spec. neutral or drive) — Propane (Neu.)		
	Idle A/F mix.		

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in.³)	Transmission	Carburetors — Make	Carburetors — Model	No. Used and Type (Barrels)	Barrel Size
ALL	1.6 (98)	MANUAL	Holley	14023703 (14023707)	One 2-BBL	PRI-32(1.26)
		AUTOMATIC		14023704 (14023708)		SEC-36(1.417)

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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Passenger Car
METRIC (U.S. Customary)

Car Line CHEVETTE

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

Engine Description/Carb. Engine Code: 1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

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)		88 (190)
Water pump	Type (centrifugal, other)		CENTRIFUGAL
	GPM 1000 pump rpm		
	Number of pumps		ONE
	Drive (V-belt, other)		V-BELT
	Bearing Type		DOUBLE ROW BALL
By-pass recirculation type (inter., ext.)			INTERNAL
Radiator core type (cross-flow) vertical, cellular, tube and fin, other)			CROSSFLOW, TUBE & CENTER
Cooling System Capacity	With heater — L(qt.) (*)		8.67 (9.16)
	Without heater — L(qt.)		HEATER STANDARD EQUIPMENT
	(@) Opt. equipment-specify — L (qt.)		8.76 (9.26)
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	426.7 (16.8)
		Height	375.2 (14.8)
		Thickness	31.5 (1.24)
	Heavy duty	Width	426.7 (16.8)
		Height	375.2 (14.8)
		Thickness	31.5 (1.24)
Fan (Standard)	Number of blades & type - Flex/Solid		4, STAGGERED
	Diameter		330 (13.0)
	Ratio — fan to crankshaft rev.		
	Fan cutout type		NONE
	Drive Type-Number of Fans		V-BELT - ONE
Fan (optional)	No. of blades and spacing		7, STAGGERED
	Diameter		360 (14.17)
	Ratio — fan to crankshaft rev.		
	Fan cut-out type		CLUTCH
	Drive Type-Number of Fans		V-BELT - ONE

(*) BASE TRANSMISSION
(@) WITH AIR CONDITIONING

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Engine Description/Carb.
Engine Code

1.6 LITER L-4 (98)
2-BBL. CARB.
RPO L17

Vehicle Emission Control

	Type (Air injection, engine modifications, other)		AIR INJECTION W/COMPUTER COMMAND CONTROL
Exhaust Emission 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 Recirculation System	Type (controlled flow, open orifice, other)	CONTROLLED FLOW
		Valve type	VACUUM MODULATED SHUT-OFF & METERING
		Valve location	INLET MANIFOLD
		Control energy source	CARBURETOR VACUUM
		Exhaust source	MANIFOLD
		Exhaust cooler type	NONE
		Orifice no. and size	ONE
		Point of exhaust injection (spacer, carburetor, manifold, other)	INLET MANIFOLD
	Catalytic Converter System	Catalyst — Type	PLATINUM-PALLADIUM
		Catalyst — Volume — L (in^3)	2.622 (160)
		Substrate type	SINGLE 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.

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Engine Description/Carb.
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1.6 LITER L-4 (98 CID)
2-BBL CARBURETOR
RPO L17

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
	Carburetor	Vapor vented to (crankcase, canister, other)		
	Vapor Storage	Storage provision (crankcase, canister, other)		CANISTER
		Volume — dm^3 (ft^3) or capacity (grams)		APPROX. 30 GRAMS
		Control valve type		VACUUM DIAPHRAGM CONTROLLED CONSTANT ORIFICE

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

Electrical — Supply System

Battery	Make and Model			DELCO 'FREEDOM II'
	Voltage Rtg. — V — & Total Plates			12V
	SAE Designation No. and/or capacity			58 MIN. RES. CAP. (M/T) 75 MIN. RES. CAP. (A/T)
	Location			ENGINE COMPARTMENT, R.F.
Generator or Alternator	Make			DELCO REMY
	Model			1100138
	Type and rating			42
	Output at engine idle (neutral) A			
	Ratio — Gen. to Crs rev.			
Regulator	Make			DELCO REMY
	Model			
	Type			MICRO CIRCUIT UNIT; INTEGRAL WITH DISTRIBUTOR
	Regulated	Voltage		
		Current A		
	Voltage test conditions	Temperature — °C (°F)		
		Load A		
		Other		

Electrical — Starting System

Starting Motor	Make			DELCO REMY
	Model			
Motor Drive	Engagement Type			POSITIVE SHIFT SOLENOID
	Pinion engages from (front, rear)			REAR
	Number of teeth	Pinion		9
		Flywheel	Manual	153
			Auto	153

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

Engine Description / Carb.
Engine Code

1.6 LITER L-4 (98 CID)
2-BBL CARBURETOR
RPC 117

Electrical — Ignition System — Distributor

Distributor	Manual	1110580
	Automatic	1110580
Timing	Manual	18° BTC
	Automatic	18° BTC

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
1110580	DOES NOT APPLY				

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

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		MOUNTED TO CASE
	Current	Engine stopped — A	
		Engine idling — A	
Spark Plug	Make		A.C.
	Model		R42TS
	Thread (mm)		14
	Tightening torque — N-m (lb. ft.)		
	Gap		0.889 (.035)

Electrical — Suppression

Locations & type	

Electrical — Instruments and Equipment

Speedometer	Type	CIRCULAR DIAL WITH POINTER
	Trip odometer (std., opt., N.A.)	NA
EGR maintenance indicator		NA
Charge Indicator	Type	TELL-TALE
	Warning device	NA
Temperature Indicator	Type	TELL-TALE
	Warning device	NA
Oil pressure Indicator	Type	TELL-TALE
	Warning device	NA
Fuel Indicator	Type	ELECTRIC GAUGE
	Warning device	NA
Windshield Wiper	Type — standard	ELECTRIC 2-SPEED
	Type — optional	INTERMITTENT WINDSHIELD WIPER SYSTEM
	Blade length	403.4 (15.9 IN)
	Swept area — cm^2 ($in.^2$)	3951 ($612.5\ IN^2$)
Windshield Washer	Type — standard	PUSH-BUTTON
	Type — optional	NONE
	Fluid level indicator	NA
Horn	Type	VIBRATOR
	Number used	ONE
CURRENT DRAW (A) PER HORN		4.5-6.0 @ 12.5 VOLTS
Other		PARKING BRAKE WARNING LIGHT AND BRAKE FAILURE WARNING LIGHT, RESTRAINT SYSTEM WARNING LIGHT AND BUZZER.

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Engine Description/Carb. Engine Code	1.6 LITER L-4 (98 CID) 2-BBL CARBURETOR RPO L17

Drive Units — Clutch (Manual Transmission)

Make & type		BORG & BECK, DIAPHRAGM
Type pressure plate springs		
Total spring load — N (lb.)		
No. of clutch driven discs		ONE
Clutch facing	Material	MOLDED TYPE ASBESTOS
	Manufacturer	BORG & BECK
	Part Number	
	Rivets/Plate	16
	Rivet size	3.63 x 5.41 (.143 x .213)
	Outside & inside dia.	180 x 131 (8.0 x 5.16)
	Total eff. area-cm^2 ($in.^2$)	239.5 (37.14)
	Thickness	3.35-3.51 (.135-.145)
	Engagement Cushion method	FLAT SPRING STEEL BETWEEN FACINGS
Release bearing	Type & method of lubrication	SINGLE ROW BALL, PACKED & SEALED
Torsional damping	Method: springs, friction material	COIL SPRINGS

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		3.75
	In second		2.16
	In third		1.38
	In fourth		1.00
	In fifth		---
	In overdrive		---
	In reverse		3.82
Synchronous meshing, specify gears			ALL FORWARD GEARS
Shift lever location			FLOOR MOUNTED
Lubricant	Capacity — L (pt.)		1.6 (3.4)
	Type recommended		GL-5 GEAR LUBRICANT
	SAE viscosity number	Summer	80W or 80W-90
		Winter	80W or 80W-90
		Extreme cold	80W or 80W-90

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Engine Description/Carb.
Engine Code

1.6 LITER L-4 (98 CID)
2-BBL CARBURETOR
RPO L17

Drive Units — Automatic Transmission

Trade name		3-SPEED AUTOMATIC	
Type (describe)		TORQUE CONVERTER WITH PLANETARY GEARS	
Selector	Location	'180c'	'200c'
	Ltr./No. Designation	FLOOR MOUNTED	
Gear Ratios	R	P-R-N-D-2-1	
	D	1.92	2.07
	L_2	1.00	1.00
	L_1	1.48	1.57
	L_1	2.40	2.74
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	2.25	
	Type of cooling (air, liquid)	LIQUID	
	Nominal diameter	245 (9.65)	
Lubricant	Capacity — refill — L (pt.)	2.8 (6.0)	
	Type recommended	DEXRON II	
Special transmission features		TORQUE CONVERTER CLUTCH, 3RD GEAR LOCK-UP	

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)		REAR	
Description		SEMI-FLOATING WITH HYPOID OVERHUNG PINION GEAR	
Limited Slip differential, type		NOT AVAILABLE	
Drive Pinion Offset		28.4 (1.12)	
Drive pinion type		HYPOID GEAR	
No. of differential pinions		TWO	
Pinion adjustment (shim, other)		SHIMS	
Pinion bearing adj. (shim, other)		COLLAPSIBLE SLEEVE	
Driving wheel bearing type		DIRECT SINGLE ROW BALL	
Lubricant	Capacity — L (pt.)	0.8 (1.75)	
	Type recommended	GL-5 GEAR LUBRICANT	
	SAE viscosity number — Summer	80W or 80W-90	
	SAE viscosity number — Winter	80W or 80W-90	
	SAE viscosity number — Extreme cold	80W or 80W-90	

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

Axle Ratio or Overall Ratio (:1)		3.70
No. of teeth	Pinion	10
	Ring gear or gear	37
Ring Gear O. D.		165 (6.50)
Transaxle	Transfer Gear Ratio	
	Final Drive Ratio	

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Engine Description/Carb. Engine Code	2-DOOR COUPE	4-DOOR SEDAN

Drive Units — Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			(a)	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		N.A.	
	Manual 4-speed trans.		50.8 x 731.5 x 1.40 (2.0 x 28.8 x .055)	50.8 x 808.2 x 1.40 (2.0 x 31.8 x .055)
	Manual 5-speed trans.		N.A.	
	Overdrive		N.A.	
	Automatic transmission (b)		50.8 x 586.0 x 1.40 (2.0 x 23.1 x .055)	50.8 x 662.2 x 1.40 (2.0 x 26.1 x .055)
Intermediate bearing	Type (plain, anti-friction)		ANTI-FRICTION	
	Lubrication (fitting prepack)		PREPACK	
Slip Yoke	Type		SPLINE	
	Number of teeth		27	
	Spline O.D.		28 (1.12)	
Universal joints	Make and Mfg. No.	Front	SAGINAW 23	
		Rear		
	Number used		TWO	
	Type (ball and trunnion, cross)		CROSS	
	Rear attach (u-bolt, clamp, etc.)		U-BOLT	
	Bearing	Type (plain, anti-friction)	ANTI-FRICTION	
		Lubric. (fitting, prepack)	PREPACK	
Drive taken through (torque tube or arms, springs)			ARMS	
Torque taken through (torque tube or arms, springs)			TORQUE TUBE	

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

(a) STRAIGHT TUBE ATTACHED TO 'U' JOINTS TO A SOLID STEEL PINION EXTENSION. A TORQUE TUBE HOUSING EXTENSION SHAFT IS BOLTED.

(b) TUNED TORSIONAL DAMPER USED WITH AUTOMATIC TRANSMISSION.

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

Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply		P155/80R13 (BW, WW)*
	Type (bias, radial, etc.)		GLASS BELTED RADIAL
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	180 (26)
		Rear-kPa (psi)	180 (26)
	Rev./mile—at 70 km/h (45 mph)		569 (916)
WHEELS	Type & material		SHORT YOKE DISC, STEEL
	Rim (size & flange type)		13 x 5
	Wheel offset		37 mm
	Attachment	Type (bolt or stud)	STUD
		Circle diameter	100 mm
		Number & size	4 HEX NUTS - M12 x 1.5
Spare tire and wheel (same or other) WHEEL -			14 x 4 (49 mm); COMPACT TIRE - T115/70D14

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P175/70R13 (BW, WW, WL)
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)	

Brakes — Parking

Type of control		GRIP HANDLE
Location of control		ON FLOOR BETWEEN SEATS
Operates on		REAR SERVICE BRAKES
If separate from service brakes	Type (internal or external)	---
	Drum diameter	---
	Lining size (length x width x thickness)	---

(*) BLACKWALL STANDARD ON MODEL 1TJ08; WHITE WALL STANDARD ON MODEL 1TB00.

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Body Type And/Or Engine Displacement	
2-DOOR COUPE	4-DOOR SEDAN

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
Power Brake (std., opt., N.A.)				OPT.
Booster Type (remote, integral, vac., hyd., etc.)				INTEGRAL
Anti-skid device type (std., opt., N.A.)				N.A.
Effective area — cm^2 ($in.^2$)•				514.9 (79.83)
Gross lining area — cm^2 ($in.^2$)••				
Swept area — cm^2 ($in.^2$)•••				1804.5 (279.77)
Rotor	Outer working diameter		F	246 (9.68)
			R	---
	Inner working diameter		F	143.8 (5.66)
			R	---
	Thickness		F	11 (.433)
			R	---
	Material & type (vented/solid)		F	CAST IRON, SOLID
			R	---
Drum	Diameter (nominal)		F	---
			R	200 (7.87)
	Type and material			DUO-SERVO; CAST IRON
Wheel cylinder bore	Front			47.62 (1.88)
	Rear			17.5 (0.69)
Master Cylinder	Bore			19 (0.75)
	Stroke			31 (1.22)
Pedal arc ratio				5.8:1 MANUAL; 4.75:1 POWER
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.		BONDED
		Rivet size		---
		Manufacturer		DELCO MORAINE
		Lining Code		
		Material		INNER-ORGANIC; OUTER-METALLIC
		**** Size	Prim. or out-board	114 x 34 x 9.40 (4.49 x 1.34 x .370)
			Second or in-board	114 x 30 x 9.40 (4.49 x 1.18 x .370)
		Shoe thickness (no lining)		
	Rear Wheel	Bonded or riveted, rivets/seg.		RIVETED
		Manufacturer		DELCO MORAINE
		Lining Code		
		Material		ORGANIC
		**** Size	Prim. or out-board	167.7 x 43.9 x 3.8 (6.6 x 1.73 x 0.15)
			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.

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Steering

				2-DOOR COUPE	4-DOOR SEDAN
Manual (std., opt., N.A.)				STD.	
Power (std., opt., N.A.)				OPT. (a)	
Adjustable steering wheel (tilt, swing, other)		Type and description		TILT-UNIVERSALLY JOINTED STEERING SHAFT AT BASE OF STEERING WHEEL	
		(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.)			
		Curb to curb (l. & r.)			
	Inside rear	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			
Manual	Gear	Type		RACK & PINION	
		Make		SAGINAW STEERING GEAR	
		Ratios	Gear	19.0:1	
			Overall	18.4:1	
	No. wheel turns (stop to stop)			3.6	
Power	Type (coaxial, linkage, etc.)				
	Make			SAGINAW STEERING GEAR	
	Gear	Type		RACK & PINION WITH INTEGRAL POWER UNIT	
		Ratios	Gear		
			Overall	18.0:1	
	Pump driven by			'V' BELT	
	No. wheel turns (stop to stop)				
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.)			7.55	
	Bearings (type)	Upper		BALL STUD	
		Lower		BALL STUD	
		Thrust		NONE	
Steering spindle & joint type				FORGED KNUCKLE w/UPPER & LOWER SPHERICAL JOINTS	
Wheel Spindle	Diameter	Inner bearing		26.97 (1.06)	
		Outer bearing		17.45 (0.69)	
	Thread size			3/4 - 20 NEF (MIG-1)	
	Bearing type			TAPERED ROLLER	
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			

(a) AVAILABLE ONLY WITH AUTOMATIC TRANSMISSION AND AIR CONDITIONING.

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Body Type And/Or Engine Displacement

	2-DOOR COUPE	4-DOOR SEDAN

Suspension — General

Car leveling	Standard/Optional/NA	N.A.
	Type (air, hyd., etc.)	---
	Manual/auto. controlled	---
Provision for brake dip control		FRONT SUSPENSION GEOMETRY
Provision for acc. squat control		REAR SUSPENSION GEOMETRY
Special provisions for car jacking		POSITION JACK IN BUMPER SLOTS IN BOTTOM OF FRONT & REAR BUMPER FACE BARS
Shock absorber front & rear	Type	DIRECT, DOUBLE ACTING, HYDRAULIC
	Make	DELCO
	Piston dia.	25 (1.0)
Other special features		

Suspension — Front

Type and description		INDEPENDENT SLA
Travel	Full Jounce	
	Full Rebound	
Spring	Type (coil, leaf, other)	COIL
	Material	STEEL ALLOY
	Size (coil design height & I.D., bar length x dia.)	209.3(8.24) x 81.7 (3.22) x 2690.8 (105.9) x 12.06 (0.475)
	Spring rate — N/mm (lb./in.)	28 (160)
	Rate at wheel — N/mm (lb./in.)	12.9 (74)
Stabilizer	Type (link, linkless, frameless)	LINK, MOUNTED TO BODY FRONT RAILS
	Material & bar diameter	HR STEEL - 22 (.87); RPO F41 SPT. SUSP.-25 (1.0)

Suspension — Rear

Type and description			SOLID AXLE, POSITIONED BY LINKS, TORQUE TUBE & TRACK BAR
Drive and torque taken through			LINK, TORQUE TUBE
Travel	Full Jounce		
	Full Rebound		
Spring	Type (coil, leaf, other)		COIL
	Material		STEEL ALLOY
	Size (length x width, coil design height & I.D., bar length & dia.)		233.7(9.20) x 92.62(3.65) x 2301.9(90.6) x 13.19(0.519)
	Spring rate — N/mm (lb./in.)		27.1 (155)
	Rate at wheel — N/mm (lb./in.)		20.5 (117)
	Mounting insulation type		
	If leaf	No. of leaves	---
		Shackle (comp. or tens.)	---
Stabilizer	Type (link, linkless, frameless)		LINK, MOUNTED TO UNDERBODY (RPO F41 SPT. SUSP. ONLY)
	Material & bar diameter		HR STEEL - 16 (0.63)
Track bar type			TUBULAR, WITH RUBBER BUSHINGS

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Car Line CHEVETTE
Model Year 1981 Issuec 9-80 Revised (•) _____

	Body Type	
	2-DOOR HATCHBACK COUPES 1TB08 1TJ08	4-DOOR HATCHBACK SEDAN 1TB68

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		LACQUER
Hood hinge location (front, rear)		REAR
Hood counterbalance (type)		HOOD IS NOT COUNTERBALANCED, HOOD IS HELD OPEN WITH A ROD.
Hood release control (internal, external)		INTERNAL
Vehicle Ident. No. Location		TOP LEFT HAND OF INSTRUMENT PANEL PAD
Vent window control method (crank, friction pivot, power)	Front	NONE
	Rear	NONE
Seat cushion type	Front	FORMED FOAM PAD
	Rear	FORMED FOAM PAD
	3rd Seat	NONE
Seat back type	Front	FORMED FOAM PAD
	Rear	FORMED FOAM PAD
	3rd Seat	NONE
Method of holding luggage compart. lid open		TELESCOPING GAS STRUT - LEFT SIDE
Position of spare tire storage		FLAT UNDER REAR LOAD FLOOR

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 WITH CROSSMEMBER REINFORCEMENT

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Body Type		
2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
1TB08	1TJ08	

Convenience Equipment

Power windows	Side Windows	N.A.		
	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)		STANDARD ON 1TB00 MODELS		
Radios (specify type as well as availability)		AM-PUSH-BUTTON, STANDARD EQUIPMENT 1TB00 MODELS, OPTIONAL 1TJ08. OPTIONAL-AM/FM PUSH-BUTTON, AM/FM PUSH-BUTTON STEREO.		
Rear seat speaker		OPTIONAL	N.A.	OPTIONAL
Power antenna		N.A.		
Clock		OPTIONAL		
Air Conditioner (specify type)		OPTIONAL-"FOUR SEASON" WITH MANUAL CONTROL		
Speed warning device		N.A.		
Speed control device		N.A.		
Ignition lock lamp		N.A.		
Dome lamp		STANDARD		
Glove compartment lamp		OPTIONAL 1TB00 MODELS, NOT AVAILABLE 1TJ08		
Luggage compartment lamp		OPTIONAL		
Underhood lamp		OPTIONAL		
Courtesy lamp		OPTIONAL		
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 LEVER AND IGNITION.		

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Vehicle Mass (Weight)

Model	CURB MASS, kg. (Weight, lb.)*			% PASS MASS DISTRIBUTION				SHIPPING MASS, kg (Weight lbl**
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
2-DOOR HATCHBACK COUPE 1TB08	503.1 (1109)	430.3 (949)	933.4 (2058)	46.0	54.0	16.0	84.0	907.0 (2000)
2-DOOR HATCHBACK COUPE 1TJ08	479.5 (1057)	429.1 (946)	908.6 (2003)	46.0	54.0	16.0	84.0	882.2 (1945)
4-DOOR HATCHBACK SEDAN 1TB68	514.1 (1133)	448.3 (988)	962.4 (2122)	46.0	54.0	16.0	84.0	936.0 (2063)

CURB WEIGHT - THE CALCULATED WEIGHT OF A VEHICLE WITH STANDARD EQUIPMENT ONLY AS DESIGNED WITH THE ADDITIONAL LOAD OF OILS, LUBES, COOLANTS, AND FUEL 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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Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Air Conditioning	29.4	6.2	35.6	4-Speed Transmission
	(+64.8)	(+13.6)	(+78.4)	
	28.6	6.2	34.8	Automatic Transmission
	(+63.0)	(+13.6)	(+76.6)	
Floor Mats Front & Rear	2.0	1.2	3.2	
	(+ 4.4)	(+2.6)	(+ 7.0)	
Power Brakes	2.6	0.4	3.0	
	(+ 6)	(+1)	(+7)	
Power Steering	10.0	0	10.0	
	(+22)	0	(+22)	
Deluxe Exterior	0.2	0	0.2	1TB00
	(+ 0.4)	0	(+ 0.4)	
Dual Sport Rear View Mirrors (L.H. Remote, Man Convex RH)	0.8	0.4	1.2	1TB00
	(+ 1.8)	(+0.8)	(+ 2.6)	
Molding-Body Side	0.4	0.6	1.0	1TJ08
	(+ 0.8)	(+1.4)	(+ 2.2)	
Sport Suspension	0.6	3.4	4.0	Available only with steel belted
	(+ 1.3)	(+7.5)	(+ 8.8)	radial tires
Heavy duty battery	2.0	-0.2	1.8	
	(+ 4.4)	(-0.4)	(+ 4.0)	
Heavy duty cooling	0.9	0.0	0.9	
	(+ 2.0)	0	(+ 2.0)	
Luggage Carrier (Roof Mounted)	1.8	3.2	5.0	1TB & 1TJ08
	(+ 4.0)	(+7.0)	(+11.0)	
	2.0	3.4	5.4	1TB68
	(+ 4.4)	(+7.4)	(+11.8)	
Washer ¢ Wiper - Rear	-0.4	2.4	2.0	
	(-0.8)	(+5.2)	(+ 4.4)	

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

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Optional Equipment Differential Mass (Weight)*

Equipment	MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
Comfortilt Steering Wheel	1.4 (+ 3.0)	0.4 (+0.8)	1.8 (+ 3.8)	
Radio AM Push-Button	1.6 (+ 3.6)	0.4 (+0.8)	2.0 (+ 4.4)	Standard Equipment 1TB00 Models, Optional 1TJ08
Radio AM/FM Push-Button	0.2 (+ 0.4)	0 0	0.2 (+ 0.4)	1TB00
	1.8 (+ 4.0)	0.4 (+0.8)	2.2 (+ 4.8)	1TJ08
Radio AM/FM Stereo (3-speakers)	0.2 (+ 0.4)	0 0	0.2 (+ 0.4)	1TB00
	1.8 (+ 4.0)	0.4 (+0.8)	2.2 (+ 4.8)	1TJ08
Auxiliary Speaker - Rear	0 (0)	0.6 (+1.4)	0.6 (+ 1.4)	
3-Speed Automatic Transmission	12.4 (+27.4)	7.0 (+15.4)	19.4 (+42.8)	THM 180 1TB00
	13.2 (+29.2)	7.6 (+16.8)	20.8 (+46.0)	1TJ08
	10.0 (+22.0)	5.8 (+12.8)	15.8 (+34.8)	THM 200 1TB00
	11.0 (+24.2)	6.2 (+13.6)	17.2 (+37.8)	1TJ08

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

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Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVETTE
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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.	2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
	1TB08	1TJ08	1TB68

Width

Tread — Front	W101	1300 (51.2)		
Tread — Rear	W102	1300 (51.2)		
Vehicle width	W103	1570 (61.8)		
Body width at Sg RP — front	W117	1546 (60.9)		
Vehicle width — front doors open	W120	3384 (133.2)		3048 (120.0)
Vehicle width — rear doors open	W121	---		2974 (117.1)

Length

Wheelbase	L101	2394 (94.3)		2471 (97.3)
Vehicle length	L103	4111 (161.9)		4188 (164.9)
Overhang — front	L104	787 (31.0)		
Overhang — rear	L105	930 (36.6)		
Upper structure length	L123	2510 (98.8)		2586 (101.8)
Rear wheel C/L "X" coordinate	L127	2179 (85.5)		
Cowl point "X" coordinate	L125	306 (12.0)		

Height **

Passenger Distribution (frt./rear)	PD1,2,3	**		
Trunk/Cargo load		**		
Vehicle height	H101	1344(52.9)	1343(52.9)	1343 (52.9)
Cowl point to ground	H114	897(35.3)	896(35.3)	897 (35.3)
Deck point to ground	H138			
Rocker panel front to ground	H112	209(8.2)	208(8.2)	209 (8.2)
Bottom of door closed-front to grd.	H133	271(10.7)	270(10.6)	271 (10.7)
Rocker panel rear to ground	H111	204 (8.0)		
Bottom of door closed-rear to grd.	H135	---		

Ground Clearance **

Front bumper to ground	H102	330 (13.0)		
Rear bumper to ground	H104	330 (13.0)		
Bumper to ground — front at curb mass (wt.)	H103	357 (14.1)		
Bumper to ground — rear at curb mass (wt.)	H105	349 (13.7)		
Angle of approach @ GVW	H106	19.0°	18.9°	19.0°
Angle of departure @ GVW	H107	19.5°		19.3°
Ramp breakover angle @ GVW	H147	18.2°		17.6°
Rear axle differential to ground	H153	270 (10.6)		
Min. running ground clearance	H156	147(5.8)(a)	146(5.7)(a)	147(5.8)(a)
Location of min. run. grd. clear.		(a) K-BRACE UNDER FRONT CROSSMEMBER		

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.

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Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type: 2-DOOR HATCHBACK COUPES 1TB08	2-DOOR HATCHBACK COUPES 1TJ08	4-DOOR HATCHBACK SEDAN 1TB68
Front Compartment				
Sg RP front, "X" coordinate	L31	1118 (44.0)		
Effective head room	H61	968 (38.1)		973 (38.3)
Effective T Point head room	H75	974 (38.3)		978 (38.5)
Max. eff. leg room — accelerator	L34	1058(41.6)	1056(41.6)	1058 (41.6)
Sg RP — front to heel	H30	259(10.2)	266(10.5)	259 (10.2)
Design H-point front travel	L17	134 (5.3)		
Shoulder room	W3	1273 (50.1)		1266 (49.8)
Hip room	W5	1268 (49.9)		1256 (49.4)
•• Upper body opening to ground	H50			
Steering Wheel Angle	H18	30.2°		
Back Angle	L40	26.5°		
Rear Compartment				
Sg RP Point couple distance	L50	678 (26.7)		754 (29.7)
Effective head room	H63	947 (37.3)		949 (37.4)
Effective T Point head room	H76	941 (37.0)		944 (37.2)
Min effective leg room	L51	785(30.9)	770(30.3)	860 (33.9)
Sg RP — second to heel	H31	268 (10.5)		
Knee clearance	L48	-62(-2.4)	-67(-2.6)	3.5 (0.1)
Compartment room	L3	569 (22.4)		644 (25.3)
Shoulder room	W4	1254 (49.4)		1256 (49.4)
Hip room	W6	1036 (40.8)		
•• Upper body opening to ground	H51	---		
Luggage Compartment				
Usable luggage capacity — L(cu. ft.)	V1	--		
•• Liftover height	H195	753 (29.6)		756 (29.8)

All linear dimensions are in millimeters (inches).

•• EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

ALL INTERIOR DIMENSIONS ARE MEASURED WITH THE SEATING REFERENCE POINT (SgRP) FULL REAR AND _____ mm UPWARD OF REARMOST SEAT POSITION.

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

Car Line CHEVETTE
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	Body Type		
SAE Ref. No.	2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
	1TB08	1TJ08	1TB68

Station Wagon — Third Seat

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

Station Wagon — Cargo Space

Cargo length — open — front	L200	
Cargo length — open — second	L201	
Cargo length — closed — front	L202	NOT
Cargo length — closed — second	L203	APPLICABLE
Cargo length at belt — front	L204	
Cargo length at belt — second	L205	
Cargo width — wheelhouse	W201	
Rear opening width at floor	W203	
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	488 (19.2)	488 (19.2)
Cargo length at front seat Back Height	L208	1024 (40.3)	1100 (43.3)
Cargo length at floor — front	L209	1471 (57.9)	1547 (60.9)
Cargo volume index — m^3 ($ft.^3$)	V3	764L (27.0 cu.ft.)	811L (28.6 cu.ft.)
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).

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Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVETTE

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Body Type

2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
1TB08	1TJ08	1TB68

Vehicle Fiducial Marks

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

Fiducial Mark Number			
Front	W21	504 (19.8)	
	L54	750 (29.5)	
	H81	150 (5.9)	
	H161	290 (11.4)	
**	H163	267 (10.5)	
Rear	W22	195 (7.7)	
	L55	2850 (112.2)	2926 (115.2)
	H82	278 (10.9)	
	H162	423 (16.7)	
**	H164	404 (15.9)	

*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

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Car and Body Dimensions See Key Sheets for definitions

Car Line CHEVETTE
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		Body Type		
	SAE Ref. No.	2-DOOR HATCHBACK COUPES		4-DOOR HATCHBACK SEDAN
		1TB08	1TJ08	1TB68
Glass				
Backlight slope angle	H121	62.5°		
Windshield slope angle	H122	52.8°		
Tumble-Home	W122	20.3°		
Windshield glass exposed surface area — cm^2 ($in.^2$)	S1	6735 (1043.9)		
Side glass exposed surface area — cm^2 ($in.^2$)	S2	9926 (1538.5)		10903 (1690.0)
Backlight glass exposed surface area — cm^2 ($in.^2$)	S3	5835 (904.4)		
Total glass exposed surface area — cm^2 ($in.^2$)	S4	22496(3486.9)		23473 (3638.3)
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 **	642(25.3)	640(25.2)	642(25.3)
	Lowest	---		
Tail (H128)	Highest	676(26.6)		
	Lowest	---		
Sidemarker	Front	516(20.4)		
	Rear	676(26.6)		
Distance from C/L of car to center of bulb — Headlamp	Inside			
	Outside **			
Tail	Inside			
	Outside			
Directional	Front			
	Rear			
Headlamp Shape		RECTANGULAR		

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

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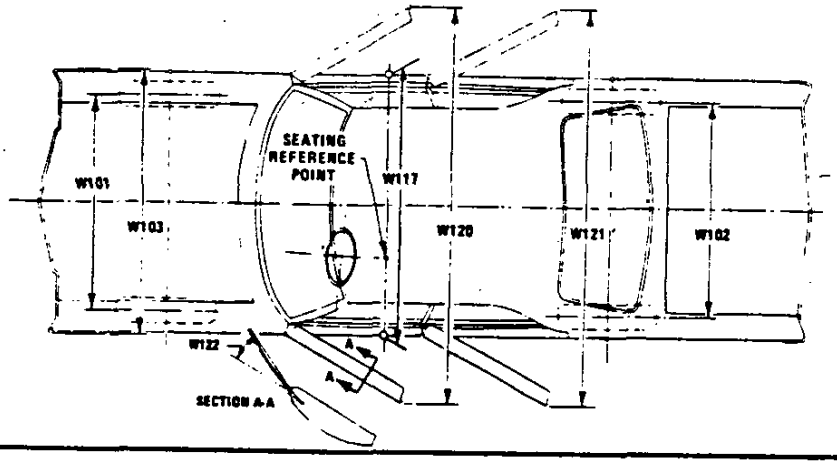
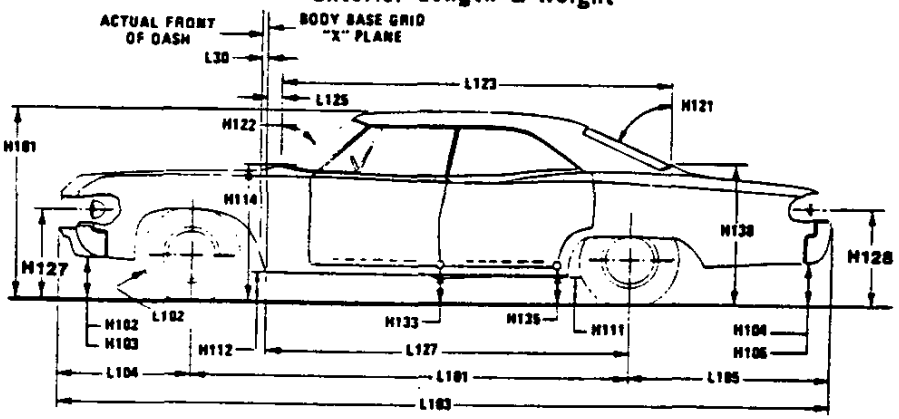
Exterior Car And Body Dimensions — Key Sheet

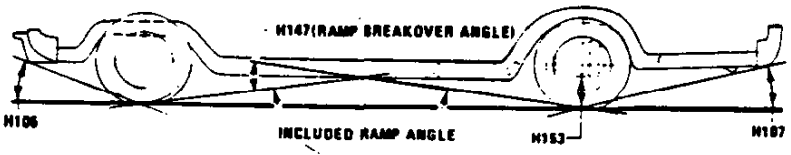
Exterior Width



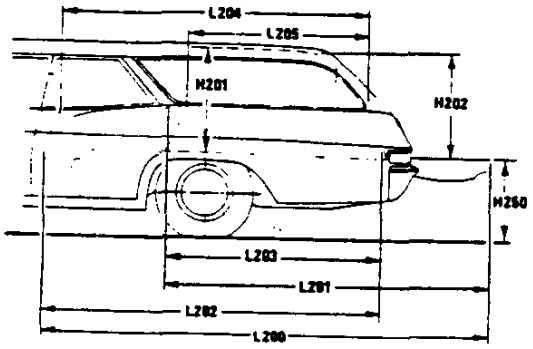
Exterior Length & Height



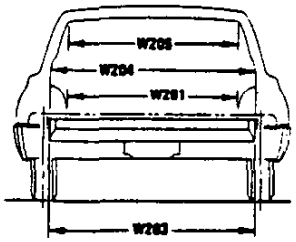
Exterior Ground Clearance

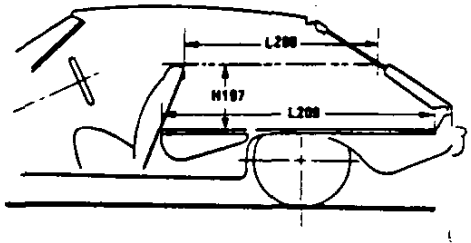


Cargo Space



Station Wagon





Hatchback

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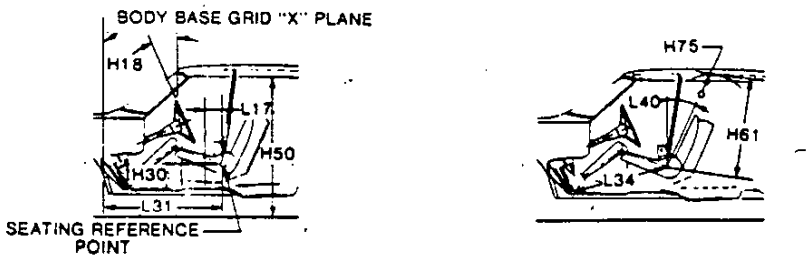
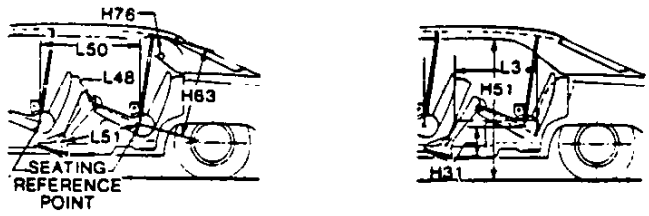
Interior Car And Body Dimensions — Key Sheet

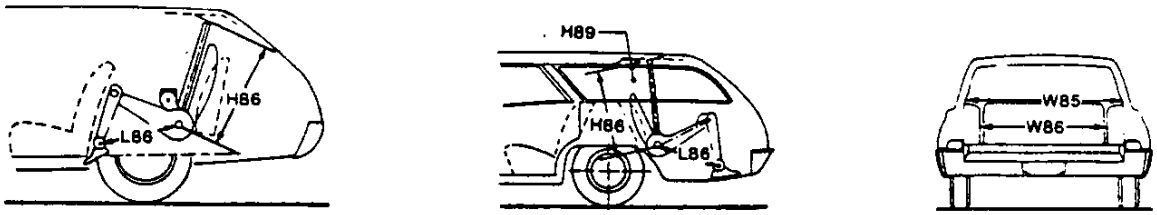
Front Compartment



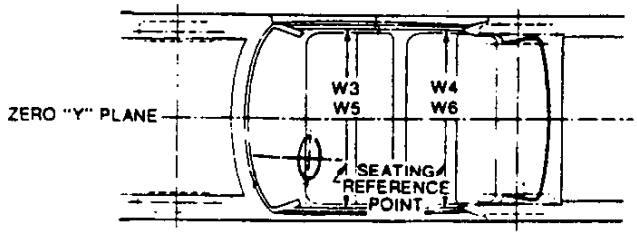
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form
Passenger Car
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Exterior Car And Body Dimensions — Key Sheet
Dimensions Definitions

Seating Reference Point

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

Width Dimensions

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

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

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

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

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

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

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

Length Dimensions

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

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

L102 TIRE SIZE. As specified by the manufacturer.

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

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

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

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

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

L125 COWL POINT "X" COORDINATE.

Height Dimensions

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

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

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

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

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

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

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

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

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

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

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

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

Ground Clearance Dimensions

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

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

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

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

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

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

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

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

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

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION — FRONT.

L31 SgRP — FRONT "X" COORDINATED.

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

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

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

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

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

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

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

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

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

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

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION — SECOND.

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

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

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

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

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

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

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

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

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

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

Luggage Compartment Dimensions

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

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

Station Wagon — Third Seat Dimensions

PD3 PASSENGER DIRECTION — THIRD

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

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

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

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

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

Station Wagon — Cargo Space Dimensions

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

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

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

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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:

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

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