MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

1998

Manufacturer	Vehicle Line	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	CORVETTE	
Mailing Address	Issued	Revised
30007 VAN DYKE WARREN, MI 48090-9065		

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

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

AAMA

American Automobile Manufacturers Association

Blank Forms Provided by Technical Affairs Division

FORM AAMA-98

Specifications
METRIC

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ø Indicates Format Change From Previous Year

NOTE:
1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	G.M. Midsize Car Division
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Chevrolet Motor Division

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
CORVETTE					
2-Door Coupe (RWD)		1YY07	2 (2/0)	45.4 (100)	17/24

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

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Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

			A	B	C	D
ENGINE	Engine Code		LS1	LS1	LS1	
	Displacement Liters (in³)		5.7 (346)	5.7 (346)	5.7 (346)	
	Induction system (FI, Carb, etc.)		Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	
	Compression ratio		10.1:1	10.1:1	10.1:1	
	SAE Net at RPM	Power kW (bhp)	257 (345) @ 5600	257 (345) @ 5600	257 (345) @ 5600	
		Torque N • m (lb. ft.)	475 (350) @ 4400	475 (350) @ 5600	475 (350) @ 5600	
	Exhaust single, dual		Dual	Dual	Dual	
TRANS	Transmission/ Transaxle		M30	MM6	M30	
	Effective Final Drive / Axle Ratio (std. first)		2.73	3.42	3.15	

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
CORVETTE			
2-Door Hatchback	1YY07	B	A,B,C

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METRIC (U.S. Customary)

Engine Description
Engine Code

5.7 LITER LS1

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90 deg. V, Front, Longitudinal,OHV
Manufacturer		General Motors Powertrain Group
No. of cylinders		Eight
Bore		99.0 mm
Stroke		92.0 mm
Bore Spacing (C / L to C / L)		111.8 mm
Cylinder block material & mass kg. (lbs.) (machined)		Aluminum, 48.6 (107.1)
Cylinder block deck height		234.7 mm
Cylinder block length		519.0 mm
Deck clearance (minimum) (above or below block)		Not Applicable
Cylinder head material & mass kg. (lbs.)		Aluminum, 9.2 (20.3)
Cylinder head volume cm^3 ($inches^3$)		66.9 (4.08)
Cylinder liner material		Cast Iron
Head gasket thickness (compressed)		1.33 mm
Minimum combustion chamber total volume cm^3 ($inches^3$)		64.9 (3.96)
Cyl. no. system (front to rear)*	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order		1-8-7-2-6-5-4-3
Intake manifold material & mass kg. (lbs.)**		Composite, 7.2 (15.9)
Exhaust manifold material & mass kg. (lbs)**		Stainless Steel, Right: 5.3 (11.7), Left: 5.2 (11.5)
Knock sensor (number & location)		Two - Valley
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) ÷ 2		87
Engine Mounts	Quantity	Two
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Hydraulic Damper
	Added isolation (sub-frame, crossmember, etc.)	One Crossmember
Total dressed engine mass (wt) dry***		Automatic: 208.4 kg ; Manual: 226.1 kg

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum, 44 (15.5)

Engine - Camshaft

Location		In Cylinder Block "V" Above Crankshaft
Material & mass kg (weight, lbs.)		Steel, 4.4 (9.7)
Drive type	Chain / belt	Chain
	Width / pitch	5.72/9.53 mm

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.
** Finished state.
*** Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

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Engine Description
Engine Code

5.7 LITER V8 LS1

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake / exhaust	Eight/Eight
	Head O.D. intake / exhaust	50.8 / 39.4 mm

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Powder Metal, 0.62 (1.4)
Length (axes C/L to C/L)	154.9 mm

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*		Cast Nodular Iron, 23.0 (50.7)
End thrust taken by bearing (no.)		Three
Length & number of main bearings		Five
Seal (material, one, two piece design, etc.)	Front	Teflon, One Piece
	Rear	Teflon, One Piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	415 (60) @ 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.)	5.6 (Six)

Engine - Diesel Information (NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0°F.		
Injector nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel Injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake System (NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

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Engine Description
Engine Code

5.7 LITER V8 LS1

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		103.0 (15.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	86.0 (187.0)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	10.5
	Number of pumps	One
	Drive (V-belt, other)	Poly V-Belt
	Bearing type	Double Row (Ball0
	Impeller material	Steel
	Housing material	Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling System capacity	With heater - L (qt.)	Not Applicable
	With air conditioner - L (qt.)	MM6 11.8 M30 11.5
	Opt. equipment specify - L (qt.)	Not Applicable
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		No
Radiator core	Std., A/C, HD	A/C, Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass kg (wgt., lbs.)	Aluminum Header, Tubes and Fins, 4.08 kg (10.0)
	Width	600.0 mm (23.6 in.)
	Height	438.0 mm (17.24 in.)
	Thickness	24 mm (All)
	Fins per inch	3.0 (16.9 fpi)
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Electric, Standard
	Number of blades & type (flex, solid, material)	Five-Blades and Rlng Shroud, Plastic
	Number & location (front, rear of radiator)	Two Fans, Rear of Radiator
	Diameter & projected width	312 mm
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	Temperature and Pressure Sensor
	Drive type (direct, remote)	Direct
	RPM at idle (elec.)	2100
	Motor rating (wattage/elec.)	150 W - 2200 RPM
	Motor switch (type & location/elec.)	Temperature Sensor Located on Engine Pressure Sensor on A/C Liquid Tube
	Switch point (temp./pressure/elec.)	Various
	Fan shroud (material)	Plastic

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Engine Description
Engine Code

5.7 LITER V8 LS1

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

Induction type: carburetor, fuel injection system, etc.		Sequential Fuel Injection
Manufacturer		Bosch
Carburetor no. of barrels		Not Applicable
Idle A/F mix.		Preset - No Adjustment
Fuel injection	Point of injection (no.)	At Ports
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic - On Board Computer
	System pressure kPa (psi)	400.0 (58.0)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	PCM Controlled
	Automatic	PCM Controlled
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Inline / Replaceable / Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	400 kPa
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	29 gm/sec @ 400 kPa

Fuel Tank

Capacity refill L (gallons)		75.7 (19.1)
Location (describe)		Under Rear Deck - Rear of Seat Back Between Side Rail and Tunnel
Attachment		Held By Aluminum Plate
Material & Mass kg. (weight lbs.)		Density Polyethylene 5.1 Kg each
Filler pipe	Location & material	Left Side Rear of Door
	Connection to tank	Left Side of Left Tank
Fuel line (material)		Aluminum
Fuel hose (material)		Viton
Return line (material)		Aluminum
Vapor line (material)		Aluminum
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	Not Applicable
	Location & material	Not Applicable
	Attachment	Not Applicable
Auxiliary tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	Not Applicable
	Location & material	Not Applicable
	Attachment	Not Applicable
	Selector switch or valve	Not Applicable
	Separate fill	Not Applicable

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METRIC (U.S. Customary)

Engine Description
Engine Code 5.7 LITER V8 LS1

Vehicle Emission Control

Type (air injection, engine modifications, other)			See Below
Exhaust Emission Control	Air injection	Pump or pulse	Pump
		Driven by	Electric
		Air distribution (head, manifold, etc.)	Exhaust Manifold (Computer Command Control)
		Point of entry	Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Not Applicalbe
		Exhaust source	Not Applicalbe
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converter	Type	Three-Way
		Number of	Two
		Locations(s)	Under Floor
		Volume L (in³)	1.4 (85.0)
		Substrate type	Monolith
		Noble metal type	Platinum, Rhodium
		Noble metal concentration (g/cm³)	0.001917
Crankcase Emission Control		Type (ventilates to atmosphere, induction system, other)	Induction System
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum
		Discharges to (intake manifold, other)	Intake Manifold
		Air inlet (breather cap, other)	Throttle Body
Evaporative Emission Control		Vapor vented to (crankcase, canister, other) From Fuel Tank To	Canister
		Vapor vented to (crankcase, canister, other) From Carburetor To	Not Applicable
		Vapor storage provision	Canister
Electronic system		Closed loop (yes/no)	Yes
		Open loop (yes/no)	No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Dual
Muffler no. & type , Muffler volume (liters), Material & Mass kg. (weight lbs.)		Reverse Flow, 10.9 Liters each Two, Aluminized Stainless Steel
OD		H-Pipe 63.5
Exhaust pipe	Branch o.d., wall thickness	
	RH/LH	63.5 x 1.5 mm (2.5" x 0.060 in.)
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel
Intermediate pipe	o.d. & wall thickness	RH - LH
	Material	Aluminized Stainless Steel RH/LH 63.5 x 1.5 mm (2.5" x 0.060")
Tail pipe	o.d. & wall thickness	Single Wide Wall, 44.5 x 1.5 mm (1.75" x0.060")
	Material	Aluminized Stainless Steel/RH & LH Outer
Exhaust System/Includes Take Down Pipes, Catalytic Converts, Intermediate Pipes, Mufflers and Tailpipes Mass KG (Weight #'s)		37.9 KG (83.38 Lbs.)

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Engine Description
Engine Code

5.7 LITER V8 LT1

Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Not Applicable
Manual 6-speed (manufacturer/country)	Borg-Warner / USA
Automatic (manufacturer/country)	Not Applicable
Automatic overdrive (manufacturer/country)	GM Powertrain Group, USA

Manual Transmission/Transaxle

Number of forward speeds		Six
Gear ratios	1st	2.66
	2nd	1.78
	3rd	1.30
	4th	1.00
	5th	0.74
	6th	0.50
	Reverse	2.90
Synchronous meshing (specify gears)		All Forward Gears and Reverse
Shift lever location		Chassis Mounted
Trans. case material & mass kg. (lbs.)*		Aluminum, 56.2 (124.0)
Lubricant	Capacity L (qts.)	3.8 (4.01)
	Type recommended	Dexron III

Clutch (Manual Transmission)

Clutch manufacturer			Luk, Inc.
Clutch type (dry, wet; single, multiple disc)			297 mm Type - Dry Clutch - Push Type, Single Disc
Linkage (hydraulic, cable, rod, lever, other)			Hydraulic Pre-Filled
Max. pedal effort (nom. spring load) N (lbs.)		Depressed	145 N (32.6 lbs.)
		Released	90 N (20.2 lbs.)
Assist (spring, power/percent, nominal)			Spring
Type pressure plate springs			Diaphragm
Total spring load (nominal) N (lbs.)			11,500 N (Static) (2584 lbs.)
Clutch facing	Facing mfgr. & material coding		Valeo F-808
	Facing material & construction		Non-Asbestos Woven, Bonded Steel Backing
	Rivets per facing		32
	Outside x inside dia. (nominal)		297 x 198 mm (11.69 x 7.80 in.)
	Total eff. area cm^2 ($in.^2$)		384.9 cm^2 (59.6")
	Thickness (pressure plate side/fly wheel side)		3.4 / 3.4 mm (0.134 / 0.134 in.)
	Rivet depth (pressure plate side/fly wheel side)		2.5 mm (0.098 in.)
	Engagement cushion method		Cushion Springs
Release bearing type & method lub.			Angular Contact Ball Bearing
Torsional damping method, springs, hysteresis			Coil Spring Clutch Disc With Friction Damper

* Includes shift linkage, lubricant, and clutch housing. If other specify.

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Engine Description
Engine Code

5.7 LITER V8 LS1

Automatic Transmission/Transaxle

Trade Name		Hydra-Matic 4L60E
Type and special features (describe)		Four-Speed Automatic Overdrive 4th Gear, Lock Up Torque Converter Clutch
Shift mechanics		Hydraulic Clutches / Electronic Controls
Gear selector	Location (column, floor, other)	On Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N-(D)-D-2-1
	Shift interlock (yes, no, describe)	Yes (Brake Interlock)
Gear ratios	1st	3.06
	2nd	1.63
	3rd	1.00
	4th	0.70 (Computer Controlled Torque Converter Clutch)
	5th	Not Applicable
	6th	Not Applicable
	Reverse	2.29
	Final drive ratio	2.73 or 3.15
Max. upshift vehicle speed - drive range km/h (mph)		One-Two = 77 (48) Three-Four = 235 (146) Two-Three = 145 (90)
Max. upshift engine speed RPM		6000
Max. kickdown speed - drive range km/h (mph)		Four-Three = 216 (134) Three-Two = 126 (78) Two-One = 61 (38)
Min. overdrive speed km/h (mph)		56 (35)
Torque converter	Type	Three Element with Converter Clutch
	Torus design	Full function
	Number of elements	Three
	Max. ratio at stall	1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 mm
	Capacity factor "K"*	95
Pump type		Variable Displacement Vane
Lubricant	Capacity refill L (qts.)	4.8 (5.07)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, External, Liquid
Transmission mass kg (lbs.) & case material**		71.2 (dry) Cast Aluminum

All Wheel / 4 Wheel Drive (Not Applicable)

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

* Input speed ÷ $\sqrt{\text{torque}}$

** Dry weight including torque converter. If other, specify.

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Engine Description
Engine Code 5.7 LITER V8 LS1

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

		AUTOMATIC - M30		MANUAL - MM6
Axle ratio (or overall top gear ratio)		2.73 (1.91)	3.15 (2.20)	3.42 (1.71)
Ring gear o.d.		205 (8.)		
No. of teeth	Pinion	15	13	12
	Ring gear	41	41	41

Rear Axle Unit

Description		Getrag 625
Limited slip differential (type)		Disc Clutches
Drive pinion	Type	Hypoid
	Offset	44.45 (1.75)
No. of differential pinions		Two
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Not Available
Lubricant	Capacity L (pt.)	1.7L (3.6)
	Type recommended	GL-5 Gear Lubricant EOW-90 w/ 0.12L 9985412 Limited Slip Friction Modifier

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight Tube, External Damper (Auto) Manual (No Dampner)
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Available
	Manual 5-speed transmission		Not Available
	Manual 6-speed transmission		55 mm x 1460.7 x 2.45 (2.16 x 57.50 x .096)
	Overdrive		
	Automatic transmission		Aluminum 55 mm x 1503.8 x 2.45 (2.16 x 59.20 x .096)
Intermediate bearing	Type (plain, anti-friction)		Not Avialable
	Lubrication (fitting, prepack)		Not Available
Slip yoke	Type		Splined
	Number of teeth		Manual Trans Automatic Trans - 26
	Spline o.d.		28.38 (1.12 in.)
Universal joints	Make and mfg. no.	Front	Not Available
		Rear	Not Available
	Number used		Two
	Type (ball and trunnion, cross)		
	Rear attach (u-bolt, clamp, etc.)		Bolt
	Bearing	Type (plain, anti-friction)	
		Lubricatilon (fitting, prepack)	
Drive taken through (torque tube, arms or springs)			Torque Tube
Torque taken through (torque tube, arms or springs)			Torque Tube

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

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METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

2 DOOR 1YY07 HATCHBACK COUPE

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available		Not Applicable
	Manual/automatic control		Not Applicable
	Type (air/hydraulic)		Not Applicable
	Primary/assist spring		Not Applicable
	Rear only/4 wheel leveling		Not Applicable
	Single/dual rate spring		Not Applicable
	Single/dual ride heights		Not Applicable
	Provision for jacking		See Page 11A
Shock absorber damping controls	Standard/option/not available		Optional
	Manual/automatic control		Automatic Control, 3 Programs
	Number of damping rates		Variable Valving
	Type of actuation (manual/ electric motor/air, etc.)		Electric Motor
	Sensors	Lateral acceleration	Not Applicable
		Deceleration	Not Applicable
		Acceleration	Not Applicable
		Road surface	Yes
Shock absorber (front & rear)	Type		FE1, FE3 - Monotube F45 - Multitube
	Make		Base Sachs OPT: Delphi
	Piston diameter		46.0 mm (1.81 in.) 36.0 mm, 45.0 mm
	Rod diameter		10.0 mm (0.393 in.) 11.0 mm

Suspension - Front

Type and description		See Page 11A
Travel	Full jounce (define load condition)	90.0 mm (3.46 in.), Metal to Metal
	Full rebound	90.0 mm (3.58 in.)
Spring	Type (coil, leaf, other & material)	Monoleaf, Filament Wound Glass - Epoxy Composite
	Insulators (type & material)	Pivot; Rubber Mounted
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Leaf: 1152 mm x 90 mm Coil & Bar - Not Applicable
	Spring rate N/mm (lb./in.)	FE1 & F45 - 77.2, 79.8; FE3 - 92.2 N/mm
	Rate at wheel N/mm (lb./in.)	FE1 & F45 - 18.5, 18.7; N/m, FE3 - 20.0 n/M
Stabilizer	Type (link, linkless, frameless)	Link - B/JNT Composite Material
	Material & O.D. bar/tube, wall thickness	FE1 & F45 - 23 DIA Tube, 3.8 Wall FE3 - 25.4 DIA Tube, 4.0 Wall

Suspension - Rear

Type and description			See Page 11A
Travel	Full jounce (define load condition)		96 mm
	Full rebound		90 mm
Spring	Type (coil, leaf, other & material)		Monoleaf, Filamount Wound Glass - Epoxy Composit
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Leaf: 1273.5 mm x 90.0 mm Coil & Bar - Not Applicable
	Spring rate N/mm (lb./in.)		FE1, F45 - 103 N/mm, FE3 - 113 N/mm
	Rate at wheel N/mm (lb./in.)		FE1, F45 - 23.2 N/mm, FE3 - 25.2 N/mm
	Insulators (type & material)		Neoprene
	If leaf	No. of leaves	Monoleaf
		Shackle (comp. or tens.)	Tension
Stabilizer	Type (link, linkless, frameless)		Ball Joint Link
	Material & O.D. bar/tube, wall thickness		Material: SAE 4130, Bar Size: FE1 - 19.1 mm x 2.0 mm, FE3 - 21.7 x 3.0
Track bar (type)			None

PROVISIONS FOR JACKING:

Place Jackhead Between Locator Triangles on Rocker Flange Nearest to Tire Being Changed. Make Sure Jack is Under The Steel Flange.

SUSPENSION - FRONT

Independent SLA, Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Composite Monoleaf Spring and Steel Stabilizer, Tubular Steel Stabilizer Bar.

SUSPENSION - REAR

Independent SLA, Aluminum Upper and Lower Control Arms and Steering Knuckle, Transverse Composite Monoleaf Spring, Tubular Steel Stabilizer Bar, Steel Steering Link.

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METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description: 2-DOOR HATCHBACK COUPE 1YY07

Brakes - Service

Description				Hydraulic Power Brake Front and Rear Disc
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)		PBR Pin Guided Aluminum Caliper
		Rear (disc or drum)		PBR Pin Guided Aluminum Caliper
Valving type (proportion, delay, metering, other)				Proportioning Valve
Power brake (std., opt., n.a.)				Standard
Booster type (remote, integral, vac., hyd., etc.)				Vac 220.0 mm Tandum 613.10 cm^2
Vacuum	Source (inline, pump, etc.)			Engine Plenum
	Reservoir (volume $in.^3$)			Not Applicable
	Pump-type(elec., gear or belt driven)			Not Applicable
Traction assist	Operational speed range			All Speeds
	Type (engine or brake intervention)			Engine and Brake Intervention
Antilock device	Front/rear (std., opt., n.a.)			Standard Front and Rear
	Manufacturer			Bosch ABS/ASR V/Delphi
	Type (electronic, mech.)			Electrohydraulic
	Number sensors or circuits			(Four) Wheel Sensors
	Number antilock hydraulic circuits			Four (Two Front and Two Rear) Hydraulic
	Integral or add-on system			Add-On
	Yaw control (yes, no)			Yes
	Hyd. power source (elec., vac., mtr., pwr., strg.)			Electronic Motor Pump
Effective area cm^2 ($in.^2$)*				Front Linings 144 (22.3); Rear Linings 56 (8.7) (W/O Grooves)
Gross Lining area cm^2 ($in.^2$)** (F/R)				Front Linings 146 (22.6); Rear Linings 56 (8.7) (W/O Grooves)
Swept area cm^2 ($in.^2$)*** (F/R) Axle Sums				Front 1696 (263); Rear 1018 (158)
Rotor	Outer working diameter		F/R	Front 320 mm; Rear 300 mm
	Inner working diameter		F/R	Front 220 mm; Rear 240 mm
	Thickness		F/R	Front 32 mm; Rear 26 mm
	Material & type (vented/solid)		F/R	HCR Iron Vent Front & Rear
Drum	Diameter & width		F/R	Not Applicable
	Type and material		F/R	Not Applicable
Wheel cylinder bore				Front Dual Piston 40.5 mm (1.6 in.) Rear 45.0 mm (1.8 in.)
Master cylinder	Bore/stroke		F/R	Front 25.4 / 20.6 mm (.93/.80 in.) Rear 25.4 / 12.6 mm
Pedal arc ratio				4.0:1
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]				W/Power Front (1250), Rear (750)
Lining clearance			F/R	Front and Rear Self Adjusting
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integral Mold
		Rivet Size		Not Applicable
		Manufacturer		Japan Brake Industries
		Lining code *****		JB NF42FF
		Material		Non-Asbestos Organic
		**** Primary or out-board		Front 161 x 50 x 9.5 mm (5.31 x 1.57 x 0.37 in.)
		Size Secondary or in-board		Front 161 x 50 x 9.5 mm (5.31 x 1.57 x 0.37 in.)
		Shoe thickness (no lining)		5.0 mm (0.236 in.)
	Rear wheel	Bonded or riveted (rvts/seg.)		Integral Mold
		Manufacturer		Japan Brake Industries
		Lining code *****		JB NF42FF
		Material		Non-Asbestos Organic
		**** Primary or out-board		105 x 30 x 10.5 mm (4.25 x 1.38 x 0.33 in.)
		Size Secondary or in-board		105 x 30 x 10.5 mm (3.70 x 1.38 x 0.33 in.)
		Shoe thickness (no lining)		5.0 mm

* 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. *****Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

2-DOOR HATCHBACK COUPE 1YY07

Tires And Wheels (Standard)

Tires	Size (service description)		P245/45ZR17 Front; P275/40ZR18 Rear, Base
	Type (bias, radial, steel, nylon, etc.)		High Speed Steel Belted Radial Eagle F1 GS (Goodyear), Unidirectional & Symmetrical
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 207
		Rear kPa (psi)	240 207
	Rev./mile at 70 km/h (45 mph)		806 Front; 777 Rear
Wheels	Type & material		Aluminum Alloy Road Wheels Magnesium for Europe, Japan
	Rim (size & flange type)		17 x 8.5 Front, 18 x 9.5 Rear
	Wheel offset		56.0 mm Alum 60.0 Mg Frt., 61.0 mm Alum 65.0 Mg Rear
	Attachment	Type (bolt or stud & nut)	Stud
		Circle diameter	120.7 mm (4.75 in.)
		Number & size	Five Hex Nuts, One Anti-Theft; M12 x 1.5 - 6H
Spare	Tire and wheel		No Spare
	Storage position & location (describe)		Not Applicable

Tires And Wheels (Optional)

Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	Magnesium Alloy Road Wheels
Rim (size, flange type and offset)	17 x 8.5 Front, 18 x 9.5 Rear
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	Same As Standard

Brakes - Parking

Type of control		Hand
Location of control		Center Console
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	190 mm
	Lining size (length x width x thickness)	400 x 25 x 3 mm

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2-DOOR HATCHBACK COUPE 1YY07

Steering

Manual (std., opt., n.a.)				Not Available
Power (std., opt., n.a.)				Standard
Speed-sensitive (std., opt., n.a.)				Standard
4-wheel steering (std., opt., n.a.)				Not Available
Adjustable steering wheel/column (tilt, telescope, other)		Type		Tilt
		Manufacturer		Delphi Saginaw Steering Systems
		(std., opt., n.a.)		Standard
Wheel diameter** (W9) SAE J1100		Manual		Not Available
		Power		380.0 mm (15.0 in.)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		12.6 (41.3)
		Curb to curb (l. & r.)		12.2 (40.0)
	Inside rear	Wall to wall (l. & r.)		Not Available
		Curb to curb (l. & r.)		Not Available
Scrub Radius*				
Manual	Gear	Type		Not Available
		Manufacturer		Not Applicable
		Ratios	Gear	Not Applicable
			Overall	Not Applicable
	No. wheel turns (stop to stop)			Not Applicable
Power	Type (coaxial, elec. hyd., etc.)			Alloy Rack and Pinion Hydraulic
	Manufacturer			Delphi Saginaw Steering Systems
	Gear	Type		End Take-Off
		Ratios	Gear	--
			Overall	16.2:1
	Pump (drive)			Accessory Belt Driven, Lt. Wt. Transverse Compact Pump
	No. wheel turns (stop to stop)			2.66 Turns
Linkage	Type			End Take-Off
	Location (front or rear of wheels, other)			Front of Wheel
	Tie rods (one or two)			Two
Steering axis	Inclination at camber (deg.)			
	Bearings (type)	Upper		Plastic lined lube for life
		Lower		Plastic lined lube for life
		Thrust		Lower Ball Joint
Steering spindle/knuckle & joint type				Upper and Lower Ball Joints

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
** See Page 23.

MVMA Specifications

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METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description: 2-DOOR HATCHBACK COUPE 1YY07

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	6.1 (±) 0.5
		Camber (deg.)	-0.2 (±) 0.5
		Toe-in outside track mm (in.)	0.04 (±) 0.1 Toe in each Wheel
	Service reset*	Caster (deg.)	0.04 (±) 0.1 Toe in each Wheel
		Camber (deg.)	0.04 (±) 0.1 Toe in each Wheel
		Toe-in mm (in.)	0.04 (±) 0.1 Toe in each Wheel
	Periodic M.V. inspection	Caster (deg.)	0.04 (±) 0.1 Toe in each Wheel
		Camber (deg.)	0.04 (±) 0.1 Toe in each Wheel
		Toe-in mm (in.)	0.04 (±) 0.1 Toe in each Wheel
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0.18 (±) 0.5
		Toe-in outside track mm (in.)	0.0 (±) 0.1 Each Wheel
	Service reset*	Camber (deg.)	0.0 (±) 0.1 Each Wheel
		Toe-in mm (in.)	0.0 (±) 0.1 Each Wheel
	Periodic M.V. insp.	Camber (deg.)	0.0 (±) 0.1 Each Wheel
		Toe-in mm (in.)	0.0 (±) 0.1 Each Wheel

* Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)		Analog, Standard
	Trip odometer (std., opt., n.a.)		Standard
Head-up display	Standard, optional, not available		Not Available
	Type	Secondary, opto-electronic	Not Available
	Speedometer	Digital	Not Available
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	Not Available
	Brightness control	Day / night mode, adjustable	Not Available
EGR maintenance indicator			Not Available
Charge indicator	Type		Analog Display, Digital
	Warning device (light, audible)		Standard - Warning Audible, Digital, Check Gage Light
Temperature indicator	Type		Analog Display, Digital
	Warning device (light, audible)		Standard - Warning Audible, Digital, Check Gage Light
Oil pressure indicator	Type		Analog Display
	Warning device (light, audible)		Standard - Warning Audible, Digital, Check Gage Light
Fuel indicator	Type		Analog
	Warning device (light, audible)		Standard - Warning - Reserve, Low, Audible, Check Gage Light
Windshield wiper	Type (standard)		Intermittent Control System
	Type (optional)		Not Available
	Blade length		508.0 mm (22 in.)
	Swept area cm² (in.²)		6920 (1072.9)
Windshield washer	Type (standard)		Push Button - Manual
	Type (optional)		Not Available
	Fluid level indicator (light, audible)		Not Available
Rear window wiper, wiper/washer (std., opt., n.a.)			Not Available
Horn	Type		Air Horn
	Number used		Two
Other			See Page 15A

These Lights in the IP Cluster:

- Traction Light
- Check Gages Light
- Security Light
- Check Engine
- Shift One to Four Light
- ABS Light
- Safety Belt Light
- Park Brake Light
- Air Bag Light

The Center of the Cluster Shows:

- Speedometer
- Odometer
- Fuel Gage
- Driver Information Center
- Volt Gage
- Oil Pressure Gage
- Coolant Temperature Gage

These Telltales Illuminate in The Driver Information Center (DIC)

- Low Oil Pressure
- High Oil Temperature Reduce Engine RPM
- Engine Protection Reduce Engine RPM
- Upshift Now
- Coolant Over Temp
- Reduced Engine Power
- Maximum Speed XX MPH
- Shocks Inoperative / Service Ride Control
- High Trans Temp
- Flat Tire - LF, RF, LR or RR
- High Tire Pressure - LF, RF, LR or RR
- Low Tire Pressure - LF, RF, LR or RR
- Low Oil Level
- Low Coolant Level
- Low Voltage
- High Voltage
- Low Brake Fluid
- Change Oil Now
- Service Traction System
- Service Column Lock
- Pull Key - Wait 10 Sec.
- Service Ride Control
- Change System Fault
- Service Vehicle Soon
- Low Fuel
- Low Washer Fluid
- Hatch Ajar
- Door Ajar
- Tonneau Ajar
- Reserve Fuel
- Change Oil Soon
- Cruise Set XX MPH
- Cruise Off
- Broke Before Shift
- Traction System on or off
- Traction System Active
- Service ABS

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Code/Description 5.7 LITER V8 LS1

Electrical - Supply System

Battery	Manufacturer	Delphi Energy & Engine Management Systems
	Model, std., (opt.)	655
	Voltage	12
	Amps at 0° F. cold crank	525
	Minutes-reserve capacity	90
	Amps/hrs.-20 hr. rate	54
	Location	Engine Compartment Directly Behind Right Wheel Opening
Alternator	Manufacturer	Valeo
	Rating (idle/max. rpm)	70-110 Amps @ 1600-6000 grpm
	Ratio (alt. crank/rev.)	2.79:1
	Output at idle (rpm, park)	70 Amps @ 1600 grpm
	Optional (type & rating)	Not Available
Regulator	Type	Integral with Alternator

Electrical - Starting System

Motor	Manufacturer	Delphi
	Current drain _____ °C (°F)	350 Amps
	Power rating kw (hp)	1.6 (2.1)
Motor drive	Engagement type	Positive Shift Solenoid
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)		Standard
	Other (specify)		Coil-Near Plug
Coil	Manufacturer		Nippondenso
	Model		5-099700-456
	Current	Engine stopped - A	--
		Engine idling - A	--
Spark plug	Manufacturer		Delphi - E
	Model		41-931
	Thread (mm)		14.0
	Tightening torque N·m (lb. ft.)		9-20 (7-15)
	Gap		1.5 mm
	Number per cylinder		One
Distributor	Manufacturer		Not Applicable
	Model		Not Applicable

Electrical - Suppression

Locations & type	Internal Generator Capacitor, Non-Metallic High-Tension Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal AC Blower Motor & A/C Compression Diode, with Radio Provisions .

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METRIC (U.S. Customary)

Model Code/Description	2-DOOR HATCHBACK COUPE 1YY07

Body

Structure	Integral Perimeter Frame - Birdcage Forms Strong Unitized Body Structure. Aerodynamically Shaped Body with Deeply Angled WIndshield (64 deg.). All Major Body Panels SMC Reinforced Composite with Molded-In Coating. Single Lift Off Roof Panel (Coupe) Effective Pass; Compartment insulation, Tinted Glass All Around. "Unibase" Paint Process, Final Clear Coat Paint Finish.
Bumper system front -rear	Front - Full-Width Polypropylene Foam Energy Absorber Backed Up by an Impact Bar of Strong Continuous Glass Fiber Plastic. Body Color, Glass-Reinforced Rim Fascia. Rear-Full Width Polypropylene Foam Energy absorber. Body Color, Glass-Reinforced Rim Fascia. Extruded Aluminum Impact Bar.
Anti-corrosion treatment	All Encompassing Corrosion Protection Including Extensive Use of Aluminum; Galvanization; Use of Specially Treated Fasteners; Austenitic Stainless Steel or Specially Coated Brackets, Clamps, Clips and Braces; Use of Aluminized Steel, Dip Painted; Use of Materials that Resist Corrosion.

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Water Bourne High Solids Base Coat Enamel with High Solids Clear Coat
Hood	Material & mass	Sheet Molded Compound with Steel Reinforcements, 33.6 kg (74.1 lbs.)
	Hinge location (front, rear)	Front
	Type (counterbalance, prop)	Forward Hinged Hood
	Release control (internal, external)	Interior
Trunk lid	Material & mass	Not Applicable
	Type (counterbalance, other)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Hatchback lid	Material & mass	Tempered, Tinted Safety Glass 19.05 kg. (42.0 lbs.)
	Type (counterbalance, other)	Dual Gas Struts
	Internal release control (elec., mech., n.a.)	Electric Release, Standard (Driver Door and Console Glove Box and Key Fob).
Tailgate	Material & mass	Not Applicable
	Type (drop, lift, door)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Vent window control (crank, friction, pivot, power)	Front	Not Available
	Rear	Not Available
Window regulator type (cable, tape, flex drive, etc.)	Front	Drive
	Rear	Not Available
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Seat, Leather Seating Surface
	Rear	Not Available
	3rd seat	Not Available
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Seat, Leather Seating Surface
	Rear	Not Available
	3rd seat	Not Available

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	All-Welded Steel Body-Frame Construction, 100% Galvanized Bolt-On Front Crossmember to Allow Bottom Loaded Engine.

MVMA Specifications

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METRIC (U.S. Customary)

Model Code/Description 2-DOOR HATCHBACK COUPE 1YY07

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / Optional	First seat	3-Point Active Lap & Shoulder Belt		3-Point Active Lap & Shoulder Belt
		Second seat			
		Third seat			
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard / Optional	First seat	Air Bag Standard		Air Bag Standard
		Second seat			
		Third seat			

Glass	SAE Ref.No.		
Windshield glass exposed surface area cm² (in.²)	S1	8710.0 (1350.0)	8710 (1350)
Side glass exposed surface area cm² (in.²) - total 2 sides	S2	4007.2 (621.1)	4007.2 (621.1)
Backlight glass exposed surface area cm² (in.²)	S3	6205.0 (971.8)	2554.8 (397.0)
Total glass exposed surface area cm² (in.²)	S4	18922.2 (2932.9)	15272.0 (2367.1)
Windshield glass (type/thickness)		Curved - Laminated Plate - Tinted - 5.4 mm	
Side glass (type/thickness)		Curved - Temperature Plate - Tinted - 5.0 mm	
Backlight glass (type/thickness)		Curved - Tempered Plate - Tinted (Hatchback) 4.0 mm	Glass
Tinted (yes/no, location)			
Solar control (yes/no, coated/batched, location)			

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Sealed Beam
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	2B1 on Both - One Capsule Per Side
Quantity	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	
Quantity	

MVMA Specifications

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METRIC (U.S. Customary)

Engine Code/Description 2-DOOR HATCHBACK COUPE 1YY07

Climate Control System

Air conditioning (std., opt., man., auto.)		Manual A/C Standard Automatic A/C, Optional
Condenser	Type	Header Tube and Center
	Eff. face area (sq. mm.)	245,420
	Fins per inch	16.9 Fins/Inch
Evaporator	Type	Staggered Rib, Plate Type
	Eff. face area (sq. mm.)	48,387
	Fins per inch	14 Fins/Inch
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	29,060
	Fins per inch	11 Fins/Inch
Compressor	Type	Piston Type, Wobble Plate, Variable Displacement
	Displacement (cc.)	179 cc (LS1)
	Manufacturer	Delphi Thermal Systems
	A/C pulley ratio	1.43:1 (LS1)
Accumulator	Type	Accumulator/Dehydrator
	Height (mm.)	231
	Diameter (mm.)	93
Receiver	Type	Not Available
	Height (mm.)	Not Available
	Diameter (mm.)	Not Available
Refrigerant control (CCOT, TVS, etc.)		VDOT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R-134a
Charge level (lbs. - oz.)		1.625
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		No

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METRIC (U.S. Customary)

Model Code/Description | 2-DOOR HATCHBACK COUPE 1YY07

Convenience Equipment (standard, optional, n.a.)

Clock (digital, analog)		
Compass / thermometer		Thermometer on C68
Console (floor, overhead)		Standard Floor
Defroster, electric windshield		Not Available
Defroster, electric backlight		Standard
Electronic	Diagnostic monitor (integrated, individual)	Standard - ALCL (Assembly Line Communications Link); Integrated
	Instrument cluster (list instruments)	Speedo, Tach, Coolant Temps, Oil Pressure, Volts, Fuel
	Keyless entry	Passive, Active Standard
	Tripminder (avg. spd., fuel)	Range, Average and Instant MPG
	Voice alert (list items)	Not Available
	Other	Analog Instrumentation Standard
Fuel door lock (remote, key, electric)		Electric
Integrated Child Seating	Std./opt. & location in vehicle	
	Number of occupants	
	Occupant weight/height (min. & max.)	
	Restraint system description (3 or 5-point belts/booster seat capability)	
Lamps	Auto head on/off delay, dimming	Not Available
	Cornering	Not Available
	Courtesy (map, reading)	Standard - Floor, ISRVM
	Door lock, ignition	Not Available
	Engine compartment	Standard
	Fog	Optional
	Glove compartment	Standard - In Glove Box & I/P
	Trunk	Std. - Two Lamps Mounted in Rear Quarter
	Illuminated entry system (list lamps, activation)	Courtesy Lamps
	Other	Not Applicable
Mirrors	Day / night (auto., man.)	Standard, Manual
	L.H. (remote, power, heated)	Power Standard, Heated
	R.H. (convex, remote, power, heated)	Power Standard, Heated
	Visor vanity (RH / LH, illuminated)	Standard, Illuminated
Navigation system (describe)		None
Parking brake-auto release (warning light)		Manual Release, Tell-Tale-Standard

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METRIC (U.S. Customary)

Model Code/Description

2-DOOR HATCHBACK COUPE 1YY07	Convertible 1YY67

Convenience Equipment (standard, optional, n.a.)

Power equipment	Deck lid (release, pull down)		Standard - Electric Hatch Release (Two Remote Locations), I/P, Door Key
	Door locks (manual, automatic, describe system)		Standard Deck Lid Hatch Standard Door Locks
	Seats	2 - 4 - 6 way, etc.	Six-Way Optional
		Reclining (R.H., L.H.)	Manual Standard
		Memory (R.H.,L.H., preset recline)	Optional
		Support (lumbar, hip, thigh, etc.)	Power Lumbar Optional
		Heated (R.H., L.H., other)	Not Available
	Side windows		Standard
	Vent windows		Not Available
	Rear windows		
	Convertible Deck Lid		Standard - Power Release (2 Remote Locations) I/P & Door Key
Radio systems	Antenna (location, whip, w/shield, power)		Windshield, Rear Glass or Power Antenna
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo Cassette / Bose
	Optional		AM/FM Stereo / Compact Disc / Bose Remote 12 Disc CD Changer in Rear Storage Well
	Speaker (number, location)		Bose - Four Front, Two Rear
Roof: open air or fixed (flip-up, sliding, "T")			Single, Full Width Lift - Off Roof Panel Conv. Fldg. Top
Speed control device			Standard - Electronic Speed & Cruise Control W/Resume Feature
Speed warning device (light, buzzer, etc.)			Not Available
Tachometer (rpm)			7,000 W/LS1
Telephone system (describe)			Cellular Phone Power Connector under passenger foot floor
Theft deterrent system			"VATS" Pass Key (Personal Automobile Security System) Includes Special Module with Resistor Decoder and Ignition Key with Embedded Pellets of Specified Resistance. Built-In Time Lag. Forces Delay Between Attempts to Start Vehicle with Improper Key. Also Includes Anti-Theft Horn Alarm System with Starter Enable & Fuel (Doors and Hatch).

Trailer Towing (Not Applicable)

Towing capable	Yes / No	
Engine / transmission / axle	Std. / Opt.	
Tow class (I, II, III)*	Std. / Opt.	
Max. gross trailer wgt. (lbs.)	Std / Opt.	
Max. trailer tongue load (lbs.)	Std. / Opt.	
Towing package available	Yes / No	

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Model Code/Description	SAE Ref. No.	COUPE
Width		
Tread (front)	W101	1575.6 (62.03)
Tread (rear)	W102	1578.4 (64.4)
Vehicle width	W103	1869.6 (73.6)
Body width at SgRP (front)	W117	1853.2 (72.9)
Vehicle width (front doors open)	W120	3979.84 (156.7)
Vehicle width (rear doors open)	W121	--
Tumble-home (degrees)	W122	31.3
Outside mirror width	W410	2080.9 (81.93)
Length		
Wheelbase	L101	2655.5 (104.5)
Vehicle length	L103	4565.6 (179.7)
Overhang (front)	L104	987.6 (38.8)
Overhang (rear)	L105	908.5 (35.8)
Upper structure length	L123	2696.7 (106.2)
Rear Wheel C/L "X" coordinate	L127	4073 (160)
Height **		
Passenger distribution (front/rear)	PD1 ,2,3	PD1 = Front, PD2, 3NA
Trunk/cargo load		**
Vehicle height	H101	1211.3 (47.7)
Cowl point to ground	H114	815.1 (32.1)
Deck point to ground	H138	948.5 (37.3)
Rocker panel-front to ground	H112	128.0 (5.0)
Rocker panel-rear to ground	H111	131.3 (5.2)
Windshield slope angle (degrees)	H122	63.9
Backlight slope angle (degrees)	H121	75.3
Ground Clearance **		
Front bumper to ground	H102	92.8 (3.7)
Rear bumper to ground	H104	343.6 (13.5)
Bumper to ground front at curb mass (wt.)	H103	106.9 (4.2)
Bumper to ground rear at curb mass (wt.)	H105	361.7 (14.2)
Angle of approach (degrees)	H106	8.82
Angle of departure (degrees)	H107	19.14
Ramp breakover angle (degrees)	H147	10.96
Axle differential to ground (front/rear)	H153	111.7 (4.4)
Min. running ground clearance	H156	36.7 (1.44)
Location of min. running ground clear.		Oil Drain Plug

** *All Vehicle Height And Ground Clearance 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.

All linear dimensions are in millimeters (inches).

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 issued _____ Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	2-DOOR HATCHBACK COUPE 1YY07
Front Compartment		
SgRP front, "X" coordinate	L31	3138.4 (124)
Effective head room	H61	961.9 (37.8)
Max. effective leg room (accelerator)	L34	1085.8 (42.7)
SgRP to heel point	H30	187.2 (7.4)
SgRP to heel point	L53	900.8 (35.5)
Back angle (degrees)	L40	24.5
Hip angle (degrees)	L42	94.7
Knee angle (degrees)	L44	130.5
Foot angle (degrees)	L46	87.0
Design H-point front travel	L17	205.7 (8.1)
Normal driving & riding seat track trvl.	L23	188.8 (7.4)
Shoulder room	W3	1405.4 (55.3)
Hip room	W5	1377.8 (54.2)
*** Upper body opening to ground	H50	1111.2 (43.7)
Steering wheel maximum diameter*	W9	381.5 (15)
Steering wheel angle (degrees)	H18	16.4
Accel. heel pt. to steer. whl. cntr.	L11	558.7 (22.0)
Accel. heel pt. to steer. whl. cntr.	H17	396.5 (15.6)
Undepressed floor covering thickness	H67	16.0 (0.63)

Front Compartment Interior Dimensions are Measured with the Seating Reference Point (SgRP) _____ mm forward and _____mm Upward of Rearmost Position.

Rear Compartment

SgRP point couple distance	L50	
Effective head room	H63	
Min. effective leg room	L51	
SgRP (second to heel)	H31	
Knee clearance	L48	
Shoulder room	W4	
Hip room	W6	
*** Upper body opening to ground	H51	
Back angle (degrees)	L41	
Hip angle (degrees)	L43	
Knee angle (degrees)	L45	
Foot angle (degrees)	L47	
Depressed floor covering thickness	H73	

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	Not Applicable
*** Liftover height	H195	935.2 (36.8)

Interior Volumes (EPA Classification)

Vehicle class		Mini-Compact
Interior volume index including trunk/cargo (cu. ft.)**	E1	Not Applicable
Trunk/cargo index (cu. ft.)	V13	Not Applicable

* See page 14.
** See definition page 33.
All linear dimensions are in millimeters (inches) unless otherwise noted.
*** **EPA Loaded Vehicle Weight, Loading Conditions**

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description 2-DOOR HATCHBACK COUPE 1YY07

Station Wagon/MPV* -Third Seat	**SAE Ref. No.**	(NOT APPLICABLE)
Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle (degrees)	L88	
Hip angle (degrees)	L89	
Knee angle (degrees)	L90	
Foot angle (degrees)	L91	

Station Wagon/MPV* - Cargo Space (NOT APPLICABLE)

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Min. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index m^3 ($ft.^3$)	V2	
Hidden cargo volume index m^3 ($ft.^3$)	V4	
Cargo volume index-rear of 2-seat	V10	
Cargo volume index*	V6	
Cargo width at floor*	W500	
Maximum cargo height*	H505	

Hatchback - Cargo Space

Cargo length at front seatback height	L208	1242.4 (48.9)
Cargo length at floor (front)	L209	1305.5 (51.4)
Cargo length at second seatback height	L210	Not Applicable
Cargo length at floor (second)	L211	Not Applicable
Front seatback to load floor height	H197	471.7 (18.6)
Second seatback to load floor height	H198	Not Applicable
Cargo volume index m^3 ($ft.^3$)	V3	0.701 m^3 (24.75)
Hidden cargo volume index m^3 ($ft.^3$)	V4	Not Applicable
Cargo volume index - rear of 2-seat	V11	Not Applicable

All linear dimensions are in millimeters (inches) unless otherwise noted.
* MPV - Multipurpose Vehicle
** **EPA Loaded Vehicle Weight, Loading Conditions**

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Model Code/ Description	2-DOOR HATCHBACK COUPE 1YY07

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		X - Fiducial mark to vertical zero grid line - front measured horizontally, from the zero 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 car to fiducial mark located on top of the front seat adjuster mounting bolt. Z - Fiducial mark to horizontal zero grid line - front, measured vertically from zero grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear		X - Fiducial mark to vertical zero grid line - rear, measured horizontally from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.) Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan - longitudinal.) Z - Fiducial mark to horizontal zero grid line - rear, measured vertically from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.)
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	-555.0 (-21.8)
	L54**	2715.0 (106.8)
	H81**	364.3 (14.3)
***	H161**	187.5 (7.4)
***	H163**	169.7 (6.7)
Rear	W22**	Not Applicable
	L55**	Not Applicable
	H82**	Not Applicable
***	H162**	Not Applicable
***	H164**	Not Applicable

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.
** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.
*** EPA Loaded Vehicle Weight, Loading Conditions
All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

Code	Model	VEHICLE MASS (WEIGHT)					% PASS MASS DISTRIBUTION			
		CURB MASS, kg. (lb.)*			Shipping Mass kg (lb)***	ETWC** Code	Pass in Front		Pass in Rear	
		Front	Rear	Total			Front	Rear	Front	Rear
1YY07		772	728	1500	1452	V	30.0	70.0	-	-
2-DOOR COUPE (LS1 & M30)		(1702)	(1605	(3307)	(3201)					

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
** ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications. Refer to ETWC code legend below for test weight class.

ETWC LEGEND

A	= 1000	I	= 2000	Q	= 3000	Y	= 4000				
B	= 1125	J	= 2125	R	= 3125	Z	= 4250				
C	= 1250	K	= 2250	S	= 3250	AA	= 4500				
D	= 1375	L	= 2375	T	= 3375	BB	= 4750				
E	= 1500	M	= 2500	U	= 3500	CC	= 5000				
F	= 1625	N	= 2625	V	= 3625	DD	= 5250				
G	= 1750	O	= 2750	W	= 3750	EE	= 5500				
H	= 1875	P	= 2875	X	= 3875	FF	= 5750				

*** Shipping Mass (weight) = Curb Weight Less:

48 (106)

MVMA Specifications
METRIC (U.S. Customary)

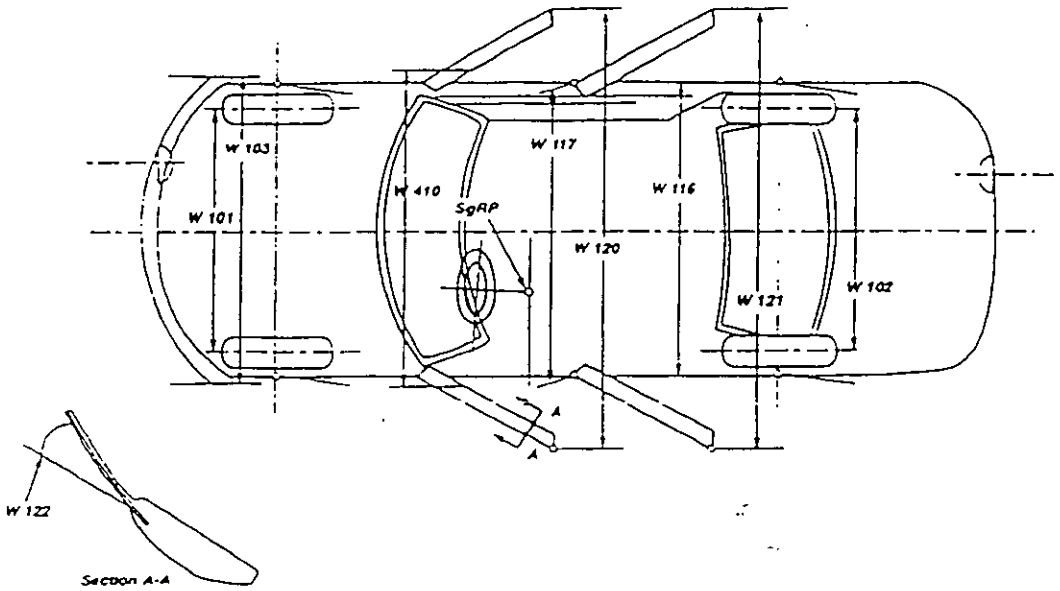
Vehicle Line CORVETTE
Model Year 1998 Issued _____ Revised (•) _____

Code	Equipment	Optional Equipment Differential Mass (weight)* MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
AQ9	Custom Adjustable Seats	1.4 (3.0)	3.4 (7.5)	4.8 (10.5)	Power Adjust for Backrest Lateral Restraints, Lumbar Support and Back
B16	Leather Seat Trim	.6 (1.3)	1.0 (2.2)	1.6 (3.5)	As Required (Special Contour Bucket Seat)
CC3	Removable Plastic Roof Panel	-0.6 (-1.3)	-1.4 (-3.1)	-2.0 (-4.4)	Acrylic Plastic, Lighter, Blue Tinted for Glare and Sun Load Control, Coated for Scratch Resistance. N/A. on Convertible
CJ2	Automatic Electronic Dual Zone Climate Control	1.0 (2.2)	--	1.0 (2.2)	Automatic Temperature Control
DL8	Mirror O/S LH & RH, Remote Control Elec. Heated				
ML9	Manual Transmission	-10.8 (-23.8)	-8.8 (-19.4)	-19.6 (-43.2)	
UU8 UXO	Dephi/Bose Premium Audio System	1.4 (3.0)	2.4 (5.3)	3.8 (8.3)	Includes Specific AM/FM Stereo Radio w/Cassette Player, Bose Power Amplified, Direct Reflecting Speakers (One in Each Door and at Each Side of Luggage Area). Also Features Dolby Sound, Dynamic Noise Reduction and Automatic Suppression Sys.
Z07	Bilstein Selective Ride Control System; Stiffer Springs, Shocks, Stabilizer Bars & Bushings. Heavy Duty Brakes, Engine Oil Cooler, Heavy Duty Power Steering Cooler.	8.4 (18.4)	2.6 (5.8)	11.0 (24.2)	(1YY07 Only; Auto Trans. Requires G92 Axle)

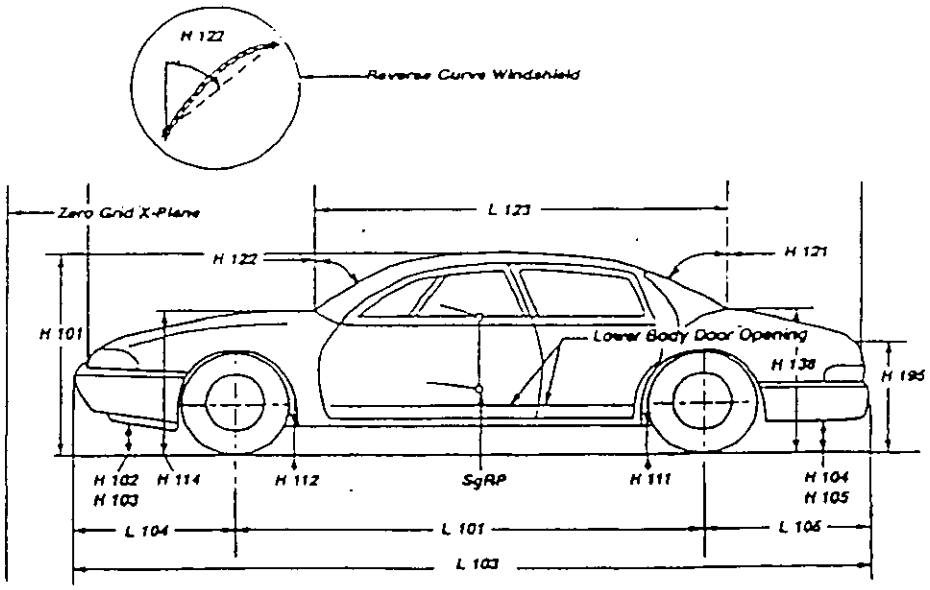
* Also see Engine - General Section for dressed engine mass (weight.)

Exterior Vehicle And Body Dimensions - Key Sheet

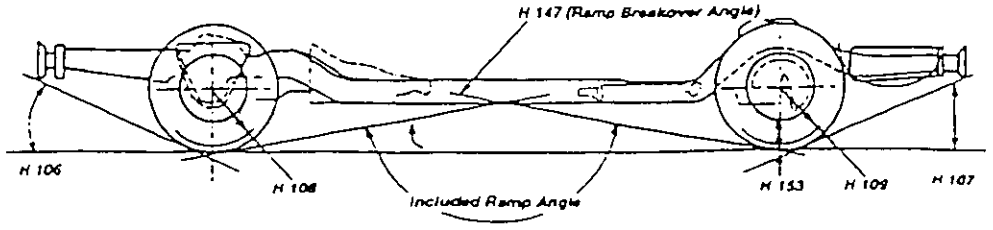
Exterior Width Dimensions



Exterior Length & Height Dimensions



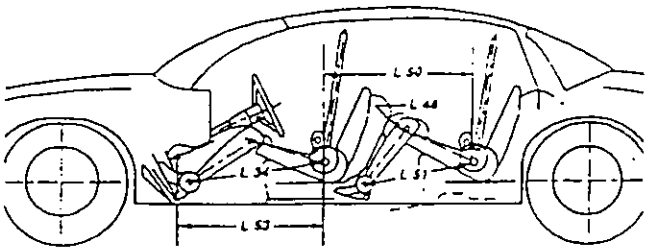
Ground Clearance Dimensions



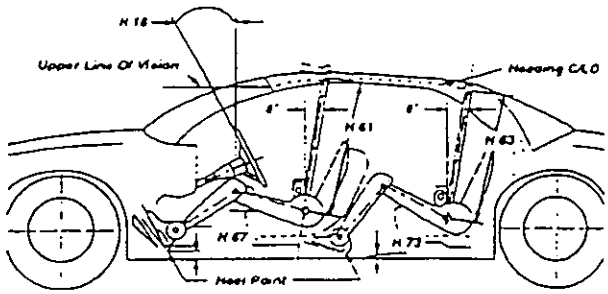
Specifications
METRIC

Interior Vehicle And Body Dimensions - Key Sheet

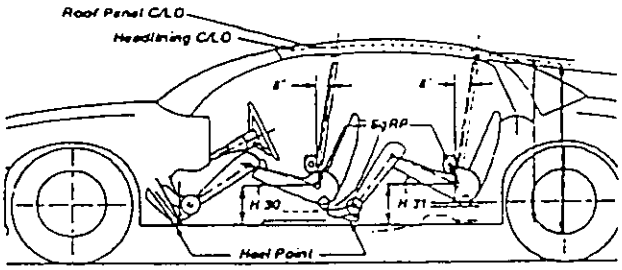
Interior Length Dimensions



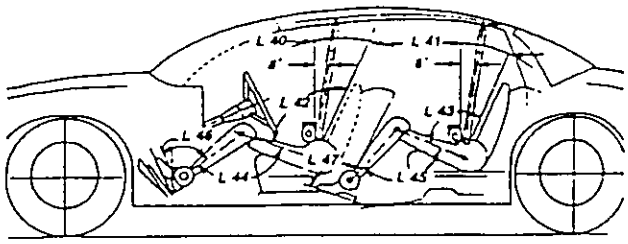
Interior Height Dimensions



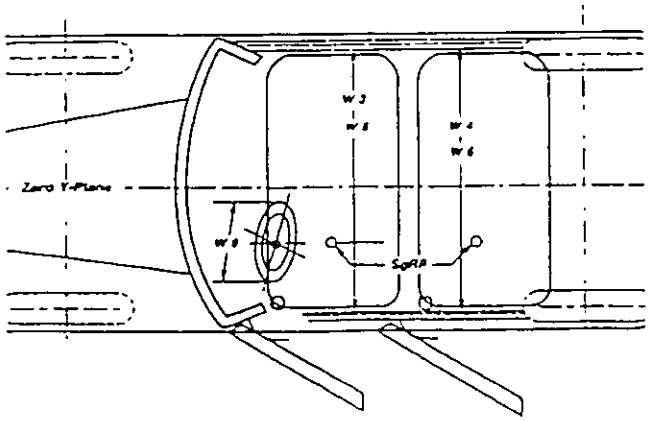
Interior Height Dimensions



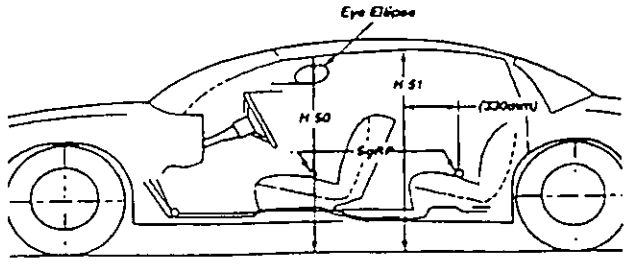
Interior Length Dimensions



Interior Width Dimensions

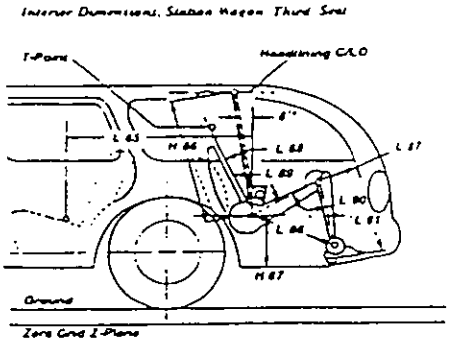


Interior Height Dimensions

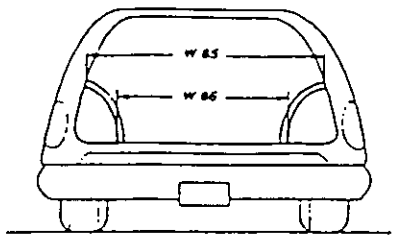


Specifications
METRIC

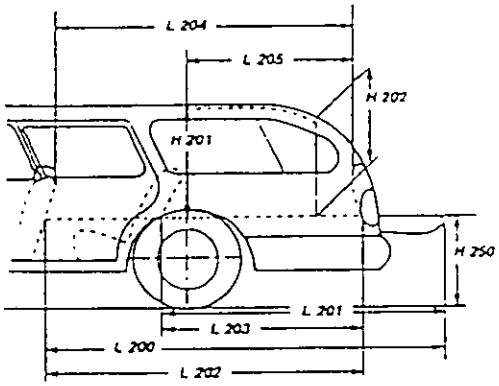
Interior Vehicle And Body Dimensions - Key Sheet



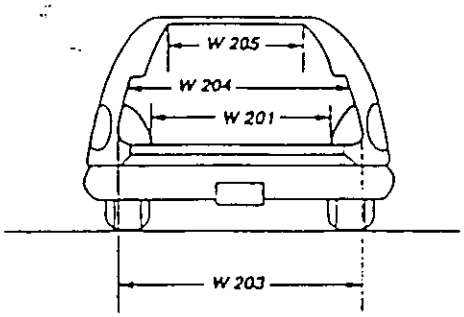
Interior Dimensions, Station Wagon Third Seat



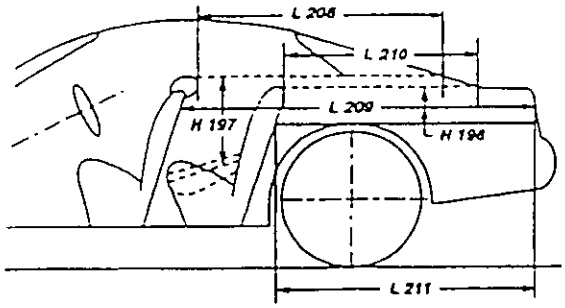
Interior Dimensions



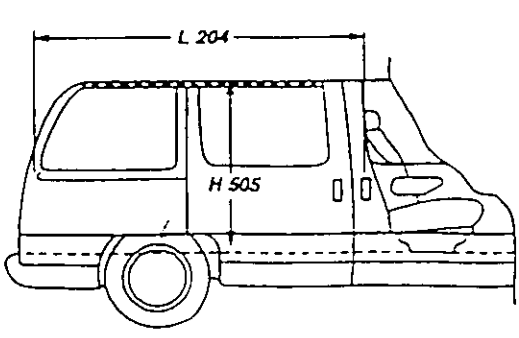
Cargo Space Dimensions

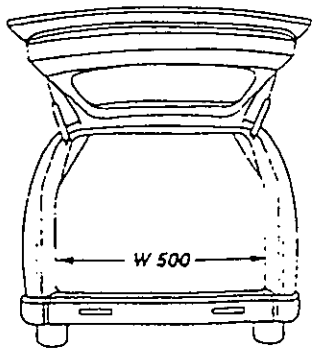


Cargo Space Dimensions



Multipurpose Vehicle Cargo Space





Specifications
METRIC

Exterior Vehicle 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, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations.".

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 the 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 rear 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.

W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

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

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

L104 OVERHANG-FRONT. The dimension measured longitudinally from the centerline of the front wheels to the formeost point on the vehicle including bumper, bumper guards, tow hook and/or rub strips, if standard equipment.

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

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

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

Height Dimensions

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

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.

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

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

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc 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 457 mm (18.0 in.) long drawn form the lower DLO to the intersecting point on the windshield.

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

H109 STATICLOAD-TIRE RADIUS-REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

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-CURBMASS(WT.).Measured in the same manner as H102.

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 MASS(WT.). 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 arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

H107 ANGLE OF DEPARTURE. The angel measured between a line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.

H147 RAMP 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.

Specifications
METRIC

Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

Glass Areas

S1 Windshield area.

S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.

S3 Backlight areas.

S4 Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

Fiducial Mark - Number 1

L54 "X" coordinate.

W21 "Y" coordinate.

H81 "Z" coordinate.

H161 Height "Z" coordinate to ground at curb weight.

H163 Height "Z" coordinate to ground.

Fiducial Mark - Number 2

L55 "X" coordinate.

W22 "Y" coordinate.

H82 "Z" coordinate.

H162 Height "Z" coordinate to ground at curb weight.

H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L11 ACCELERATOR WHEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.

L17 DESIGN-H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE J1100)

L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).

L31 SgRP-Front. "X" Coordinated.

L34 MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in.) measured with right foot on the underpressed 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.

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.

L42 HIP ANGLE-FRONT. The angle measured between torso line and thigh centerline.

L44 KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.

L46 FOOT ANGLE-FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.

L53 SgRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to the accelerator heel point.

W3 SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front at height between the belt line and 254 mm (10.0 in.) above the SgRP-front, excluding the door assist strap and attaching parts.

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

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP-front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.

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

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

H50 UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.

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

H67 FLOOR COVERING THICKNESS - UNDEPRESSED - FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

L41 BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.

L43 HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.

L45 KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.

L47 FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).

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

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

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

W4 SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.

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

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.

H51 UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of 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 102 mm (4.0 in.).

H73 FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

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Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

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.

Interior Volumes (EPA Classification)

The Interior Index is listed for each body style except two seaters. The Interior Volume Index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon/MPV - Third Seat Dimensions

L85 SgRP COUPLE DISTANCE-THIRD. The dimension measured horizontally from the SgRP-second to the SgRP-third.

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

L87 KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0in.). With rear-facing third seat, dimension is measured to closure.

L88 BACK ANGLE-THIRD. Measured in the same manner as L41.

L89 HIP ANGLE-THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE-THIRD. Measured in the same manner as L45.

L91 FOOT ANGLE-THIRD. Measured in the same manner as L47.

W85 SHOULDER ROOM-THIRD. Measured in the same manner as W4.

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

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 102 mm (4.0 in.).

H87 SgRP-THIRD TO HEEL POINT

SD1 SEAT FACING DIRECTION-THIRD.

Station Wagon/MPV - Cargo Space Dimensions

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

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

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

L203 CARGO LENGTH-CLOSED-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel 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 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 to 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.

W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.

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

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate 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 MASS (WT.) The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

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Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

V2 STATION WAGON
Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} - ft^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} - m^3 (cubicmeter)$$

V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.
Measured in inches:

$$\frac{L506 \times W505 \times H503}{1728} - ft^3$$

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} - m^3 (cubicmeter)$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.
Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} - ft^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} - m^3 (cubicmeter)$$

V8 HIDDEN LUGGAGE CAPACITY-REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.

V10 STATION WAGON CARGO VOLUME INDEX.
Measured in inches:

$$\frac{H201 \times L205 \times \frac{W4 - W201}{2}}{1728} - ft^3$$

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 - W201}{2}}{10^9} - m^3 (cubicmeter)$$

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 electronically adjusted seats, see the manufacturer's specifications for Design "H" Point).

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. 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.

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is towed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "X" plane.

L211 CARGO LENGTH AT FLOOR-SECOND SEATBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

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.

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undepressed floor covering.

V3 HATCHBACK.
Measured in inches:

$$\frac{\frac{L208 - L209}{2} \times W4 \times H197}{1728} - ft^3$$

Measured in mm:

$$\frac{\frac{L208 - L209}{2} \times W4 \times H197}{10^9} - m^3 (cubicmeter)$$

V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

$$\frac{\frac{L210 - L211}{2} \times W4 \times H198}{1728} - ft^3$$

Measured in mm:

$$\frac{\frac{L210 - L211}{2} \times W4 \times H198}{10^9} - m^3 (cubicmeter)$$

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