

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

1996

Manufacturer	SUZUKI MOTOR CORPORATION	Vehicle Line	
Mailing Address	GENERAL MOTORS CORPORATION CHEVROLET MOTOR DIVISION 30007 VAN DYKE WARREN, MI 48090-8065	Geo METRO (Hatchback)	
		Issued	Revised

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



•
P



METRIC (U.S. Customary)

Table of Contents

1	Vehicle Models/Origin	∅	Indicates Format Change From Previous Year
2	Power Teams		
3	Engine		
4	Lubrication System		
4	Diesel System		
5	Cooling System		
6	Fuel System		
7	Vehicle Emission Control		
∅ 7	Exhaust System		
8-10	Transmission, Axles and Shafts		
11	Suspension		
12-13	Brakes, Tires and Wheels		
14	Steering		
15-16	Electrical		
17	Body - Miscellaneous Information		
17	Frame		
18	Restraint System		
18	Glass		
18	Headlamps		
19	Climate Control System		
∅ 20-21	Convenience Equipment		
21	Trailer Towing		
22-24	Vehicle Dimensions		
25	Vehicle Fiducial Marks		
26	Vehicle Mass		
27	Optional Equipment Differential Mass (Weight)		
28-34	Vehicle Dimensions Definitions - Key Sheets		
35	Index		

NOTE:

1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of 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 Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (9) _____

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	SUZUKI MOTOR CORPORATION (Japan)
Where built (country)	Canada
Authorized U.S. sales marketing representative	Geo

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfg's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
Metro 1.0/1.3L 2-Door Hatchback (FWD)		1MR08 1MR09	2 / 2	40 kg (88 lbs)	MT: 1.0 L 44/49 1.3: 39/43 AT: 30/34
Firefly 1.0/1.3L 2-Door Hatchback (FWD)		7MR08 7MR09	2 / 2	40 kg (88 lbs)	MT: 1.0 L 44/49 1.3: 39/43 AT: 30/34

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

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

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	
E N G I N E	Engine Code	LP2	L72	L72		
	Displacement Liters (in ³)	1.0 (61)	1.3 (79)	1.3 (79)		
	Induction system (FI, Carb, etc.)	Throttle Body Injection	Throttle Body Injection	Throttle Body Injection		
	Compression ratio	9.5:1	9.5:1	9.5:1		
	SAE Net at RPM	Power kW (bhp)	41 (55) @ 5700	52 (70) @ 5500	52 (70) @ 5500	
		Torque N • m (lb. ft.)	79 (58) @ 3300	100 (74) @ 3000	100 (74) @ 3000	
Exhaust single, dual		Single	Single	Single		
T R A N S	Transmission/ Transaxle	Manual 5 Speed	Automatic 3 Speed	Manual 5 Speed		
	Effective Final Drive / Axle Ratio (std. first)	4.388	3.684 x 0.980	3.789		

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
Metro 2-Door Hatchback (M/T)	1MR08	A	
Metro 2-Door Hatchback (A/T)	1MR09	B	
Metro 2-Door Hatchback (M/T)	1MR09	C	
Firefly 2-Door Hatchback (M/T)	7MR08	A	
Firefly 2-Door Hatchback (A/T)	7MR09	B	
Firefly 2-Door Hatchback (M/T)	7MR09	C	

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER L3 (81 CID)(RPO LP2) & 1.3 LITER L4 (79 CID)(RPO L72)
 ELECTRONIC FUEL INJECTION

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Inline, Front, Transverse, SOHC	
Manufacturer	Suzuki Motor Corporation	
No. of cylinders	1.0 L; 3 1.3 L; 4	
Bore	74 mm (2.91 in.)	
Stroke	1.0 L; 77mm (3.03in.), 1.3 L; 75.5mm (2.97in.)	
Bore Spacing (C/L to C/L)	84 mm (3.31 in.)	
Cylinder block material & mass kg. (lbs.) (machined)	Aluminum Alloy, 1.0: 11.85 (26.12), 1.3L: 14.08 (30.98)	
Cylinder block deck height	186.8 mm (7.35 in.)	
Cylinder block length	1.0 L: 288mm (11.3 in.), 1.3L: 372mm (14.65 in.)	
Deck clearance (minimum) (above or below block)	1.0 L; 0.4mm (0.02 in) Above, 1.3 L; 0.2 mm (0.01in.) Above	
Cylinder head material & mass kg. (lbs.)	Aluminum Alloy, 1.0L: 5.12 (11.3), 1.3L: 6.97 (15.4)	
Cylinder head volume cm ³ (inches ³)	1.0L; 30.2 (1.84), 1.3L: 32.2 (1.96)	
Cylinder liner material	Cast Iron	
Head gasket thickness (compressed)	1.2 mm (0.05 in.)	
Minimum combustion chamber total volume cm ³ (inches ³)	1.0L: 38.96 cm ³ 1.3L: 38.2 cm ³	
Cyl. no. system (front to rear)*	L. Bank	1.0MT: 1-21.0L:-3, AT: 1-2-3-4
	R. Bank	---
Firing order	1.0L: 1-3-2, 1.3L:1-3-4-2	
Intake manifold material & mass kg. (lbs.)**	Aluminum Alloy, 1.0L: 1.7 (3.7), 1.3L: 2.2 (4.9)	
Exhaust manifold material & mass kg. (lbs)**	Cast Iron, 1.0L: Fed.; 3.3 (7.3), California 2.6 (5.7), 1.3L: 3.7 (8.2)	
Knock sensor (number & location)	N/A	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87 or more	
Engine Mounts	Quantity	3
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	1.0L: Elastomeric-Rubber 1.3L: Elastomeric-Rubber, Hydroelastic Elastomer
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (w/ dry)**	1.0L: 61.0 kg (134.5 lbs) 1.3L: 67.9 kg (149.7lbs)	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, 1.0L: 218 g (7.69 oz), 1.3L: 226 g (7.97 oz)
--	--

Engine - Camshaft

Location	In Cylinder Head	
Material & mass kg (weight, lbs.)	Cast Iron, 1.0L: 1.24 (2.73), 1.3L: 1.916 (4.22)	
Drive type	Chain / belt	Belt
	Width / pitch	1.0L: 25.4 / 9.525 (1.00 / 0.38), 1.3L: 25.4 / 9.525 (1.00 / 0.38)

- * 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.

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (☉) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake / exhaust	1.0L: 3 / 3, 1.3L: 4 / 4
	Head O.D. intake / exhaust	1.0L: 35 / 28 mm (1.38 / 1.10 in.), 1.3L: 36 / 30mm (1.42 / 1.18 in.)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel 0.37 (0.82)
Length (axis C/L to C/L)	120 mm (4.72 in.)

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Nodular Cast Iron MT: 6.666 (14.696), AT: 7.253 (15.99)	
End thrust taken by bearing (no.)	2	
Length & number of main bearings	18 mm (0.71 in) x 4	
Seal (material, one, two piece design, etc.)	Front	Rubber, 1 Piece
	Rear	Rubber, 1 Piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm		392 (56.8) @ 4000	
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full Flow	
Capacity of oil sump, less filter- refill-L		3.1 (3.3) () = Filter Replace	
Lubricant	Factory Fill	Viscosity (SAE No)	5W-30
		Service Designation	SH
	User Recommended	Viscosity (SAE No)	5W-30
		Service Designation	SG, SH, GF-1

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

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (●)

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		88.3 (12.8)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at °C (°F)	88 (190)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	4.0 Gallon / Min
	Number of pumps	1
	Drive (V-belt, other)	V Ribbed Belt
	Bearing type	Ball
	Impeller material	Steel
	Housing material	Aluminum Alloy
By-pass recirculation type (inter., ext.)		External
Cooling System capacity	With heater - L (qt.)	1.0L: 39 1.3L: MT: 4.6 AT: 4.7
	With air conditioner - L (qt.)	1.0L: 3.9 1.3L: MT: 4.6 AT: 4.7
	Opt. equipment specify - L (qt.)	N/A
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		Yes
Radiator core	Std., A/C, HD	Standard
	Type (cross-flow, etc.)	Vertical-Flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass kg (wgt., lbs.)	Copper & Brass, 1.0L: 2.0 1.3L: MT: 2.0 AT: 3.1
	Width	353.6 mm (13.9 in.)
	Height	350 mm (13.8 in.)
	Thickness	1.0L: 16mm (0.63in.) 1.3L:MT: 16mm (0.63in.), AT: 27mm (1.06 in.)
Radiator end tank material		Plastics
Fan	Std., elec., opt.	Standard, Elec
	Number of blades & type (flex, solid, material)	5, Solid, Plastic
	Number & location (front, rear of radiator)	1, Rear of Radiator
	Diameter & projected width	280 mm (11.02 in.)
	Ratio (fan to crankshaft rev.)	N/A
	Fan cutout type	—
	Drive type (direct, remote)	Electric Motor Drive
	RPM at idle (elec.)	2100 rpm
	Motor rating (wattage/elec.)	80 W
	Motor switch (type & location/elec.)	Type: Controlled by ECU Location: In instrument panel (ECU), on thermostat case (temp sensor)
	Switch point (temp./pressure/elec.)	ON/OFF 88/93°C
Fan shroud (material)		Plastic

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (L72) ELECTRONIC FUEL INJECTION

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		NIPPON DENSO
Carburetor no. of barrels		N/A
Idle A/F mix.		Preset at Manufacture
Fuel Injection	Point of injection (no.)	Throttle Body (1)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	180 (26)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	850 (Neutral)
	Automatic	850 (Neutral or Park)
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water Thermostatic
Air cleaner type		Replaceable Nonwoven Fabric Element, Single snorkel
Fuel filter (type/location)		Paper/Fuel Tank Side
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Pressure range kPa (psi)	637 (93)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	80 @ 294 (21.1 @ 43)

Fuel Tank

Capacity refill L (gallons)		40 (10.6)
Location (describe)		Under Floor - Rear
Attachment		Bolts
Material & Mass kg. (weight lbs.)		Steel, 8.2 (18.1)
Filler pipe	Location & material	Left Side Rear Quarter Panel, Steel
	Connection to tank	Kevlar Reinforced Rubber Hose
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel & Rubber
Extended range tank	Opt., n.s.	N/A
	Capacity L (gallons)	N/A
	Location & material	N/A
	Attachment	N/A
Auxiliary tank	Opt., n.s.	N/A
	Capacity L (gallons)	N/A
	Location & material	N/A
	Attachment	N/A
	Selector switch or valve	N/A
Separate fill		N/A

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (*)

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Vehicle Emission Control

Type (air injection, engine modifications, other)		1.0L: Fed: TBI/TWC/HO2S/EGR Cal: TBI / WUTWC + TWC/HO2S/EGR 1.3L: TBI/TWC/HO2S/EGR		
Exhaust Emission Control	Air Injection	Pump or pulse	N/A	
		Driven by	N/A	
		Air distribution (head, manifold, etc.)	N/A	
		Point of entry	N/A	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Backpressure Controlled	
		Exhaust source	Intake Manifold	
	Catalytic Converter	Point of exhaust injection (spacer, carburetor, manifold, other)	Manifold	
		Type	Three Way Cat. 1.0L: Federal; JV4, California; JV6, 1.3L: JV4	
		Number of	1.0L: Fed; 1 Cal; 2 1.3L: 1	
		Location(s)	1.0L: Fed; Under Floor Cal; Manifold & Under Floor, 1.3L: Under Floor	
Volume L (in ³)		1.0L: Federal: 1.02L (62) Cali: 1st-0.46L (28.3), 2nd-1.02L (62), 1.3L: 1.02 L (62)		
Substrate type		Monolith 62 Cells/cm ²		
Noble metal type		JV4: Platinum & Rhodium JV6: Palladium & Rhodium, Platinum & Rhodium		
Noble metal concentration (g/cm ³)	Confidential			
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System (Positive Crankcase Ventilation System)	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Intake Manifold	
	Air inlet (breather cap, other)		Air Cleaner	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister	
		Carburetor	N/A	
	Vapor storage provision		Canister	
Electronic system	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	
California OBD-11 system (yes/no)		Yes		
EVAP-11 system (yes/no) Fed. spec. vehicle		No		
EVAP-11 system (yes/no) Cal. spec. vehicle		No		

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)		Muffler 1, - Reverse Flow
Resonator no., type, & volume (liters)		1, Straight Thru
Exhaust pipe	Branch o.d., wall thickness	N/A
	Main o.d., wall thickness	ϕ 38.1 - 1.2 mm / ϕ 41.3 - 1.2 mm
	Material & Mass kg. (weight lbs.)	Inner: Stainless Steel, Outer: Aluminum Coated Steel
Intermediate pipe	o.d. & wall thickness	ϕ 38.1 - 1.6 mm
	Material & Mass kg. (weight lbs.)	Aluminum Coated Steel
Tail pipe	o.d. & wall thickness	ϕ 38.1 - 1.2 mm
	Material & Mass kg. (weight lbs.)	Stainless Steel

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (e)

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

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

Manual 4-speed (manufacturer/country)	N/A
Manual 5-speed (manufacturer/country)	Suzuki Motor Corporation / Japan
Manual 6-speed (manufacturer/country)	N/A
Automatic (manufacturer/country)	Aisin Seiki / Japan
Automatic overdrive (manufacturer/country)	N/A

Manual Transmission/Transaxle

Number of forward speeds		5
Gear ratios	1st	1.0L: 3.416, 1.3L: 3.583
	2nd	1.894
	3rd	1.280
	4th	0.914
	5th	0.757
	6th	N/A
	Reverse	3.272
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor Mounted
Trans. case material & mass kg. (lbs.)*		Aluminum Die Cast, 28.2 (62.2)
Lubricant	Capacity L (pt.)	2.4 L (5.1)
	Type recommended	Gear Oil GL4
SAE Viscosity Number		75 W / 90

Clutch (Manual Transmission)

Clutch manufacturer		Daikin Clutch Corporation
Clutch type (dry, wet; single, multiple disc)		Dry, Single Disc
Linkage (hydraulic, cable, rod, lever, other)		Cable
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	120
	Released	75
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm Spring
Total spring load (nominal) N (lbs.)		1.0L: 2795 N, 1.3L: 3190 N (717.1 lbs)
Clutch facing	Facing mfg. & material coding	ASK TECHNICA CORPORATION, JD-8
	Facing material & construction	Non-Asbestos, Semi Mold
	Rivets per facing	1.0L: 12, 1.3L: 16
	Outside x inside dia. (nominal) (mm) inch	1.0L: 170 x 110 (6.69 x 4.33), 1.3L: 190 x 132 (7.48 x 5.20) Unit: mm(inch)
	Total eff. area cm ² (in. ²)	1.0L: 132 (20.5), 1.3L: 147 (22.8)
	Thickness (pressure plate side/ly wheel side)	1.0L: 3.0 mm / 3.0 mm (0.12in / 0.12in.), 1.3L: 3.5 mm / 3.5 mm (0.14in/0.14in)
	Rivet depth (pressure plate side/ly wheel side)	1.0L: Min. 1.0 mm / Min. 1.0 mm (0.04in / 0.04in), 1.3L: Min. 1.3 mm / Min. 1.3 mm (0.05in / 0.05in)
Engagement cushion method		Separate Cushion Type
Release bearing type & method lub.		Automatic Center Adjusting Type with Grease Lubrication
Torsional damping method, springs, hysteresis		Spring Type

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

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Automatic Transmission/Transaxle

Trade Name		3-Speed Automatic
Type and special features (describe)		Torque Converter with Planetary Gears
Shift mechanics		Electronic Control
Gear selector	Location (column, floor, other)	Floor Mounted
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-L
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	2.810
	2nd	1.549
	3rd	1.000
	4th	N/A
	5th	N/A
	6th	N/A
	Reverse	2.296
Final drive ratio		0.980 x 3.684
Max. uphill vehicle speed - drive range km/h (mph)		1 - 2 = 59 (36.7) 2 - 3 = 112 (69.6)
Max. uphill engine speed RPM		1 - 2 = 5700 2 - 3 = 5960
Max. tickdown speed - drive range km/h (mph)		2 - 1 = 40 (24.9) 3 - 2 = 97 (60.3)
Min. overdrive speed km/h (mph)		N/A
Torque converter	Type	3 Elements, 1 Stage, 2 Phases
	Torus design	ROUND
	Number of elements	3
	Max. ratio at stall	2.34:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	226 mm (8.90 in.)
Capacity factor "K"		K: 265
Pump type		Trochoid Pump
Lubricant	Capacity refill L (pt.)	4.9 (10.4)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Integral with Radiator
Transmission mass kg (lbs.) & case material**		Aluminum Die-Cast, 51 (112)

All Wheel / 4 Wheel Drive

Not Applicable - 2 Wheel Drive Models

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, torson, etc.)	
	Torque split (% front/rear)	

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

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

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)		MT: 1.0L; 4.388,	1.3L; 3.789,	AT: 3.610 (0.980 x 3.684)
Transfer ratio and method (chain, gear, etc.)		N/A		
Front drive unit	Ring gear o.d.	MT: 1.0L; 186.23mm	1.3L; 181.12mm,	AT: 185.83mm
	No. of teeth	Pinion	MT: 1.0L; 18	1.3L; 19, AT: 51, 19
		Ring gear	MT: 1.0L; 79	1.3L; 72, AT: 50, 70

Front Drive Unit

Description (integral to trans., etc.)		Front Differential with Helical Gears and Ball Bearing
Limited slip differential (type)		N/A
Drive pinion	Type	Helical Gear
	Offset	N/A
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	MT: N/A AT: Shim
	Bearing adjustment	N/A
Driving wheel bearing (type)		Ball Bearing
Lubricant	Capacity L (pt.)	MT: See Page 8, AT: See Page 9
	Type recommended	MT: See Page 8, AT: See Page 9
SAE Viscosity Number		MT: See Page 8, AT: See Page 9

Axle Shafts - Front Wheel Drive

Manufacturer and number used		NTN DRIVESHAFT, INC. - 2		
Type (straight, solid bar, tubular, etc.)		Left	Solid Bar	
		Right	1.0L; Solid Bar, 1.3L; MT: Solid, AT: Tubular	
Outer diam. x length* x wall thickness	Manual Transaxle	Left	1.0L; 22 x 464.5mm (0.87 x 18.29 in.), 1.3L; 22 x 393.5mm (0.87 x 15.49 in.)	
		Right	1.0L; 22 x 554mm (0.87 x 21.81 in.), 1.3L; 22 x 393.5mm (0.87 x 15.49 in.)	
	Automatic transaxle	Left	22 x 348.5 mm (0.87 x 13.72 in.)	
		Right	31.8 x 669.5 x 3.8 mm (1.25 x 26.34 x 0.15 in.)	
	Optional transaxle	Left	Not Applicable	
		Right	Not Applicable	
Slip yoke	Type	Not Applicable		
	Number of teeth	"		
	Spline o.d.	"		
Universal joints	Make and mfg. no.	Inner	NTN DRIVESHAFT, INC. - 2	
		Outer	NTN DRIVESHAFT, INC. - 2	
	Number used	4		
	Type, size, plunge	Inner	1.0L; TJ75, 1.3L; MT: DOJ75, AT: TJ75	
		Outer	Rzepps, BJ75	
	Attach (u-bolt, clamp, etc.)	Serration		
Bearing	Type (plain, anti-friction)	Anti-Friction		
	Lubrication (fitting, prepack)	Prepack		
Drive taken through (torque tube, arms or springs)		Lower: Control Arm, Upper: McPherson Strut		
Torque taken through (torque tube, arms or springs)		Engine Mounting System		

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

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (*)

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available	N/A		
	Manual/automatic control	N/A		
	Type (air/hydraulic)	N/A		
	Primary/assist spring	N/A		
	Rear only/4 wheel leveling	N/A		
	Single/dual rate spring	N/A		
	Single/dual ride heights	N/A		
	Provision for jacking	N/A		
Shock absorber damping controls	Standard/option/not available	N/A		
	Manual/automatic control	N/A		
	Number of damping rates	N/A		
	Type of actuation (manual/electric motor/air, etc.)	N/A		
	Sensors	Lateral acceleration	N/A	
		Deceleration	N/A	
Acceleration		N/A		
Road surface		N/A		
Shock absorber (front & rear)	Type	Front: McPherson	Rear: McPherson, Double Action Hydraulic	
	Make	Front: SUNBURY	Rear: SUNBURY	
	Piston diameter	Front: 25	Rear: 25	
	Rod diameter	Front: 18	Rear: 18	

Suspension - Front

Type and description		McPherson Strut with Coil Spring
Travel	Full jounce (define load condition)	84
	Full rebound	41.5
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Rubber Top Only
	Size (Leaf: length & width; Coil: design height & I.d.; Bar: length & diameter)	Coil: 1.0L: Right 298 x 121, Left 302.5 x 121 1.3L: Right 302.5 x 121, Left 311.5 x 120.8
	Spring rate N/mm (lb./in.)	21.6 (123.2)
	Rate at wheel N/mm (lb./in.)	21.6 (123.2)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel Bar, ϕ 24 mm

Suspension - Rear

Type and description		McPherson Strut, Separate Coil Spring
Travel	Full jounce (define load condition)	63
	Full rebound	26.5
Spring	Type (coil, leaf, other & material)	Coil, Sup 7 or Sup 12V
	Size (Leaf: length & width; Coil: design height & I.d.; Bar: length & diameter)	1.0L: 271.5 x 95, 1.3L: 275.5 X 95
	Spring rate N/mm (lb./in.)	1.0L: 46.1 (262.9), 1.3L: 50.5 (287.9)
	Rate at wheel N/mm (lb./in.)	1.0L: 17.7 (100.4), 1.3L: 19.6 (111.8)
	Insulators (type & material)	Rubber Top Only
	If leaf	No. of leaves
Shackle (comp. or tens.)		N/A
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel, ϕ 18 mm
Track bar (type)		None

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (®)

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Brakes - Service

Description		Power - Assisted (Front Ventilated Disc/Rear Drum)			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Tokico, Disc			
	Rear (disc or drum)	Nisshinbo, Drum			
Valving type (proportion, delay, metering, other)		Proportion			
Power brake (std., opt., n.a.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Vacuum			
Vacuum	Source (inline, pump, etc.)	Inline (Intake manifold)			
	Reservoir (volume in.³)	Not Applicable			
	Pump-type (elec., gear or belt driven)	Not Applicable			
Traction assist	Operational speed range	Not Applicable			
	Type (engine or brake intervention)	Not Applicable			
Antilock device	Front/rear (std., opt., n.a.)	4 Wheel			
	Manufacturer	Delco			
	Type (electronic, mech.)	Electronic			
	Number sensors or circuits	4 Sensors			
	Number antilock hydraulic circuits	3 Circuits			
	Integral or add-on system	Add-On System			
	Yaw control (yes, no)	Yes			
Hyd. power source (elec., vac., mtr., pwr., etc.)		Electronic			
Effective area cm² (in.²)*		140/172 (21.7/26.7)			
Gross Lining area cm² (in.²)** (F/R)		140/172 (21.7/26.7)			
Swept area cm² (in.²)** (F/R)		902/282 (139.8/43.7)			
Rotor	Outer working diameter	F/R	229 (9.02) / -		
	Inner working diameter	F/R	154 (6.06) / -		
	Thickness	F/R	17 (0.67) / -		
	Material & type (vented/solid)	F/R	Cast Iron, Vented		
Drum	Diameter & width	F/R	- / 180 x 25 (-/7.09 x 0.98 in.)		
	Type and material	F/R	- / Cast Iron		
Wheel cylinder bore		48.1 / 15.8 (1.89 / 0.622)			
Master cylinder	Bore/stroke	F/R	20.6 / 29.5 (0.81 / 1.16)		
Pedal arc ratio		4.1:1			
Line press. at 445 N (100 lb.) pedal load (kPa (psi))		---			
Lining clearance		F/R	Self Adjusting / Self Adjusting		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet Size		N/A	
		Manufacturer		AKEBONO BRAKE INDUSTRY Co., Ltd.	
		Lining code *****		AD NS175 H EF	
		Material		Non-asbestos, Resin Mold Including Metal	
		****	Primary or out-board	105 x 37.5 x 10 (4.13 x 1.48 x 0.39)	
		Size	Secondary or in-board	105 x 37.5 x 10 (4.13 x 1.48 x 0.39)	
	Shoe thickness (no lining)		5 mm		
	Rear wheel	Bonded or riveted (rvts/seg.)		Bonded	
		Manufacturer		Nisshin Spinning	
		Lining code *****		NBK D9007FF	
		Material		Non-asbestos, Resin Mold	
		****	Primary or out-board	172.7 25 x 4.3 (6.80 x 0.98 x 0.17)	
		Size	Secondary or in-board	172.7 25 x 4.3 (6.80 x 0.98 x 0.17)	
Shoe thickness (no lining)		1.8 (0.071)			

* 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 Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (®)

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Tires And Wheels (Standard)

Tires	Size (service description)		P155/80R13
	Type (bias, radial, steel, nylon, etc.)		Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220 (32)
		Rear kPa (psi)	220 (32)
	Rev./mile at 70 km/h (45 mph)		912
Tread depth		7.8	
Wheels	Type & material		Drop Center, Steel
	Rim (size & flange type)		13 x 4 1/2 J
	Wheel offset		45 mm
	Attachment	Type (bolt or stud & nut)	Stud & Nut
		Circle diameter	114.3 mm
Number & size		4-M12	
Spare	Tire and wheel		T115/70D14, 14 x 4T
	Storage position & location (describe)		Flat Under Rear Load Floor

Tires And Wheels (Optional)

Not Applicable

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)	
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)	

Brakes - Parking

Type of control		Lever-Hand Operated
Location of control		Between Front Seat
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	N/A
	Drum diameter	N/A
	Lining size (length x width x thickness)	N/A

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (e) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Steering

Manual (std., opt., n.a.)		Standard					
Power (std., opt., n.a.)		N/A					
Speed-sensitive (std., opt., n.a.)		N/A					
4-wheel steering (std., opt., n.a.)		N/A					
Adjustable steering wheel/column (tilt, telescope, other)	Type	N/A					
	Manufacturer	N/A					
	(std., opt., n.a.)	N/A					
Wheel diameter** (W9) SAE J1100	Manual	385 (15.2)					
	Power	N/A					
Turning diameter on (ft.)	Outside front	Wall to wall (l. & r.)	10.4 (34.1)				
		Curb to curb (l. & r.)	9.6 (31.5)				
	Inside rear	Wall to wall (l. & r.)	N/A				
		Curb to curb (l. & r.)	N/A				
Scrub Radius*		-1					
Manual	Gear	Type	Rack and Pinion				
		Manufacturer	Suzuki Motor Corporation				
		Ratios	<table border="1"> <tr> <td>Gear</td> <td>N/A</td> </tr> <tr> <td>Overall</td> <td>19.1</td> </tr> </table>	Gear	N/A	Overall	19.1
	Gear	N/A					
Overall	19.1						
No. wheel turns (stop to stop)	3.7						
Power	Type (coaxial, elec. hyd., etc.)		N/A				
	Manufacturer		N/A				
	Gear	Type	N/A				
		Ratios	<table border="1"> <tr> <td>Gear</td> <td>N/A</td> </tr> <tr> <td>Overall</td> <td>N/A</td> </tr> </table>	Gear	N/A	Overall	N/A
		Gear	N/A				
	Overall	N/A					
Pump (drive)	N/A						
No. wheel turns (stop to stop)		N/A					
Linkage	Type		N/A				
	Location (front or rear of wheels, other)		N/A				
	Tie rods (one or two)		2				
Steering axis	Inclination of camber (deg.)		23.8 (Inclination of Column)				
	Bearings (type)	Upper	Ball Bearing				
		Lower	Needle Bearing				
		Thrust	N/A				
Steering spindle/knuckle & joint type		Serrated Shaft					

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

MVMA Specifications

Vehicle Line Geo METRO -HATCHBACK
 Model Year 1996 Issued Revised (●)

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	3
		Camber (deg.)	0.35
		Toe-in outside track mm (in.)	2
	Service reset*	Caster (deg.)	Not Adjustable
		Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Adjustable
Periodic M.V. inspection	Caster (deg.)	3° +/- 2°	
	Camber (deg.)	0.35° +/- 2 mm	
	Toe-in mm (in.)	2 +/- 2 mm	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0°
		Toe-in outside track mm (in.)	2 mm
	Service reset*	Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Adjustable
	Periodic M.V. insp.	Camber (deg.)	0° +/- 1°
		Toe-in mm (in.)	2 mm +/- 2 mm

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Analog	
	Trip odometer (std., opt., n.a.)	Standard	
Head-up display	Standard, optional, not available		N/A
	Type	Secondary, opto-electronic	N/A
	Speedometer	Digital	N/A
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	N/A
	Brightness control	Day / night mode, adjustable	N/A
EGR maintenance indicator		N/A	
Charge indicator	Type	Telltale Warning Light	
	Warning device (light, audible)	Light	
Temperature indicator	Type	Analog Gauge with Pointer	
	Warning device (light, audible)	N/A	
Oil pressure indicator	Type	Telltale Warning Light	
	Warning device (light, audible)	Light	
Fuel indicator	Type	Analog Gauge with Pointer	
	Warning device (light, audible)	N/A	
Windshield wiper	Type (standard)	Electric 2 Speed (Upper Grade Model, Intermittent)	
	Type (optional)	Intermittent	
	Blade length	Dr.: 500 mm As: 475 mm	
	Swept area cm ² (in. ²)	6567 (1050)	
Windshield washer	Type (standard)	Electric, Lever Control: Pull Combination Switch Lever	
	Type (optional)	N/A	
	Fluid level indicator (light, audible)	N/A	
Rear window wiper, wiper/washer (std., opt., n.a.)		Opt.	
Horn	Type	Electric Resonator	
	Number used	1	
Other		Service & Parking Brake Failure Warning Light, Seat Belt Warning Light and Buzzer, Headlamp High Beam Indicating Light, Check Engine Indicating Light, Turn Signal Indicating Light, Shift-Up Indicator (M/T Only).	

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Electrical - Supply System

Battery	Manufacturer	Delco Remy		
	Model, std., (opt.)	GP26-50S		
	Voltage	12V		
	Amps at 0° F. cold crank	390 Amp		
	Minutes-reserve capacity	71 Min.		
	Amps/hrs.-20 hr. rate	45 AH		
	Location	Left Hand Side of Engine Compartment		
Alternator	Manufacturer	Mitsubishi Electric		
	Rating (idle/max. rpm)	55A (2500 rpm)		
	Ratio (alt. crank/rev.)	2.38:1		
	Output at idle (rpm, part)	1.0L: 25A (750 rpm)	1.3L: MT:25A (750 rpm)	AT: 31A (850 rpm)
Optional (type & rating)	None			
Regulator	Type	Integral with Alternator		

Electrical - Starting System

Motor	Manufacturer	Mitsubishi Electric		
	Current drain _____ °C (°F)	200 A Max		
	Power rating (hp)	1.0L: 0.8	1.3L: MT:0.9 AT: 1.2	
Motor drive	Engagement type	1.0L: Positive Shift Solenoid 1.3L: MT:Positive Shift Solenoid, AT: Reduction		
	Pinion engages from (front, rear)	Front		

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Electronic Spark Advance, Standard		
	Other (specify)	High Energy Ignition		
Coil	Manufacturer	Diamond Electric Manufacturing Corporation		
	Model	33410-50G1		
	Current	Engine stopped - A	0	
		Engine idling - A	1.5 A Max.	
Spark plug	Manufacturer & Model	NGK	BPR6ES-11	
	Manufacturer & Model	ND	W20EPR-U11	
	Manufacturer & Model			
	Manufacturer & Model	AC	R42XLS	
	Thread (mm)	M14 x 1.25		
	Tightening torque N-m (lb. ft.)	20-30 (15-22)		
	Gap	1.1 mm (0.04 in.)		
Distributor	Number per cylinder	1		
	Manufacturer	Nippon Denso		
	Model	1.0L: 33100-50G1, 1.3L: 33100-60G1		
	Ignition timing (Neutral)	5 BTDC		

Electrical - Suppression

Locations & type	Internal Alternator Capacitor, Resistor High Tension Ignition Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor.
------------------	--

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (#)

METRIC (U.S. Customary)

Model Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Body

Structure	Unitized Frame
Bumper system front - rear	Front & Rear Bumper System is Composed of Energy Absorption Polypropylene with glass fiber and Polypropylene Cover.
Anti-corrosion treatment	<ol style="list-style-type: none"> 1. Use of Surface Treated Steel Plates in Major Body Components 2. Application of Vinyl Chloride Coating to Floor Bottom Surface and Side Sill Outer Surface. 3. Application of Corrosion Protection Oil to Side Sill Inner Surface

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Enamel	
Hood	Material & mass	kg(lb.) Steel 10.7 (23.6)
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal & External
Trunk lid	Material & mass	kg(lb.) N/A
	Type (counterbalance, other)	N/A
	Internal release control (elec., mech., n.s.)	N/A
Hatchback lid	Material & mass	kg(lb.) Steel 17.9 (with rear wiper); Opt.
	Type (counterbalance, other)	Gas Dumper Stay
	Internal release control (elec., mech., n.s.)	Mechanical (sel.)
Tailgate	Material & mass	kg(lb.) N/A
	Type (drop, lift, door)	N/A
	Internal release control (elec., mech., n.s.)	N/A
Vent window control (crank, friction, pivot, power)	Front	N/A
	Rear	N/A
Window regulator type (cable, tape, flex drive, etc.)	Front	X Arm
	Rear	N/A
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Type, Steel Pipe Frame, Urethane Mold
	Rear	Bench Type, Steel Wire Frame, Urethane Mold
	3rd seat	N/A
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Type, Steel Pipe Frame, Urethane Mold
	Rear	Bench Type, Steel Pipe Frame, Urethane Mold
	3rd seat	N/A

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Frame
---	----------------

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Model Code/Description

2-Door Hatchback

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / Optional	First seat	Lap and Shoulder Belt, ELR	N/A	Lap and Shoulder Belt ALR + ELR
		Second seat	Lap and Shoulder Belt, ALR + ELR	N/A	Lap and Shoulder Belt ALR + ELR
		Third seat	N/A	N/A	N/A
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard / Optional	First seat	Air Bag	N/A	Air Bag
		Second seat	N/A	N/A	N/A
		Third seat	N/A	N/A	N/A
Glass		SAE Ref.No.			
Windshield glass exposed surface area cm ² (in. ²)		S1	8759 cm ² (1358 in ²)		
Side glass exposed surface area cm ² (in. ²) - total 2 sides		S2	10436 cm ² (1618 in ²)		
Backlight glass exposed surface area cm ² (in. ²)		S3	4368 cm ² (677 in ²)		
Total glass exposed surface area cm ² (in. ²)		S4	23563 cm ² (3652 in ²)		
Windshield glass (type/thickness) mm (in.)			Laminated Glass 4.76 (0.19)		
Side glass (type/thickness) mm (in.)			Tempered Glass 3.5 (0.14)		
Backlight glass (type/thickness) mm (in.)			Tempered Glass 3.5 (0.14)		
Tinted (yes/no, location)			Yes, (Windshield glass, Side Glass, Backlight Glass)		
Solar control (yes / no, coated / batched, location)			No		

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Base: Halogen, Sealed Beam, Up Grade: Halogen, Replaceable Bulb
Shape	Base: Rectangular, Up Grade: Composite
Lo-beam type (2A1, 2B1, 2C1, etc.)	Base: 2E1, Up Grade: HB2
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	Base: 2E1, Up Grade: HB2
Quantity	2

MVMA Specifications

Vehicle Line Geo METRO -HATCHBACK
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Engine Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Climate Control System

Air conditioning (std., opt., man., auto.)		Optional, Manual Control
Condenser	Type	Corrugated Fin Type
	Eff. face area (sq. mm.)	164,000
	Fine per inch	16.4
Evaporator	Type	Single Tank Laminate
	Eff. face area (sq. mm.)	44,120
	Fine per inch	14.5
Heater core	Material	Copper
	Eff. face area (sq. mm.)	24,990
	Fine per inch	29.0
Compressor	Type	Wobble
	Displacement (cc.)	99.8
	Manufacturer	SANDEN CORPORATION
	A/C pulley ratio	1.2
Accumulator	Type	N/A
	Height (mm.)	N/A
	Diameter (mm.)	N/A
Receiver	Type	Dryer, Sight Glass, Safety Device
	Height (mm.)	167
	Diameter (mm.)	60
Refrigerant control (CCOT, TVS, etc.)		Thermostatic Expansion Valve
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		HFC - 134a
Charge level (lbs. - oz.)		1.21 lbs
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		Yes

MVMA Specifications

Vehicle Line Geo METRO -HATCHBACK
 Model Year 1998 Issued Revised (●)

METRIC (U.S. Customary)

Model Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

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

	Clock (digital, analog)	Digital (Integrated with Radio), Optional
	Compass / thermometer	N/A
	Console (floor, overhead)	Floor, Standard
	Defroster, electric windshield	N/A
	Defroster, electric backlight	Optional
Electronic	Diagnostic monitor (integrated, individual)	N/A
	Instrument cluster (list instruments)	N/A
	Keyless entry	N/A
	Tripmeter (avg. spd., fuel)	N/A
	Voice alert (list items)	N/A
	Other	None
	Fuel door lock (remote, key, electric)	Non-Lock Door
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	Daytime Running Light (yes / no)	yes
	Cornering	N/A
	Courtesy (map, reading)	N/A
	Door lock, ignition	N/A
	Engine compartment	N/A
	Fog	N/A
	Glove compartment	N/A
	Trunk	N/A
	Illuminated entry system (list lamps, activation)	N/A
	Other	N/A
Mirrors	Day / night (auto., man.)	Manual, Standard
	L.H. (remote, power, heated)	Select: Manual or Remote
	R.H. (convex, remote, power, heated)	Convex, Select: Manual or Remote
	Visor vanity (RH / LH, illuminated)	Base: N/A, Up Grade: RH
	Navigation system (describe)	N/A
	Parking brake-auto release (warning light)	N/A

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (*)

METRIC (U.S. Customary)

Model Code/Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

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

Power equipment	Deck lid (release, pull down)		N/A
	Door locks (manual, automatic, describe system)		Optional, Manual
	Seats	2 - 4 - 6 way, etc.	N/A
		Reclining (R.H., L.H.)	N/A
		Memory (R.H., L.H., preset recline)	N/A
		Support (lumbar, hip, thigh, etc.)	N/A
		Heated (R.H., L.H., other)	N/A
	Side windows		N/A
	Vent windows		N/A
	Rear windows		N/A
Radio systems	Antenna (location, whip, w/shield, power)		Left-Front Pillar, Whip
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	Antenna Only
	Optional		AM/FM Stereo AM/FM Stereo with Cassette AM/FM Stereo with Cassette and CD
	Speaker (number, location)		2, Front Door 2, Rear Quarter Panel
Roof: open air or fixed (flip-up, sliding, "T")			N/A
Speed control device			N/A
Speed warning device (light, buzzer, etc.)			N/A
Tachometer (rpm)			Optional
Telephone system (describe)			N/A
Theft deterrent system			Steering Lock Type

Trailer Towing

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

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

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 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.	1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION
------------------------	--------------	---

Width

Tread (front)	W101	1385 (54.5)
Tread (rear)	W102	1360 (53.5)
Vehicle width	W103	1590 (62.6)
Body width at SgRP (front)	W117	1571 (61.9)
Vehicle width (front doors open)	W120	3579 (140.9)
Vehicle width (rear doors open)	W121	N/A
Turn-in angle (degrees)	W122	24.7
Outside mirror width	W410	1804 (71.0)

Length

Wheelbase	L101	2365 (93.1)
Vehicle length	L103	3795 (149.4)
Overhang (front)	L104	823 (32.4)
Overhang (rear)	L105	606 (23.9)
Upper structure length	L123	2621 (103.2)
Rear Wheel CL "X" coordinate	L127	2910 (114.6)

Height **

Passenger distribution (front/rear)	PD1 2,3	2/2	**
Trunk/cargo load			**
Vehicle height	H101	1390 (54.7)	
Cowl point to ground	H114	806 (35.7)	
Deck point to ground	H138	—	
Rocker panel-front to ground	H112	217 (8.5)	
Rocker panel-rear to ground	H111	229 (9.0)	
Windshield slope angle (degrees)	H122	63	
Becklight slope angle (degrees)	H121	52.9	

Ground Clearance **

Front bumper to ground	H102	211 (8.3)
Rear bumper to ground	H104	268 (10.55)
Bumper to ground front at curb mass (wt.)	H103	228 (9.0)
Bumper to ground rear at curb mass (wt.)	H105	290 (11.42)
Angle of approach (degrees)	H106	19.3
Angle of departure (degrees)	H107	30.5
Ramp breakover angle (degrees)	H147	19
Axle differential to ground (front/rear)	H153	180
Min. running ground clearance	H156	160 (6.3)
Location of min. running ground clear.		Catalyst Case

** 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 Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

SAE
Ref.
No.

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

Front Compartment

SgRP front, "X" coordinate	L31	1850 (72.83)
Effective head room	H61	993 (39.1)
Max. effective leg room (accelerator)	L34	1079 (42.5)
SgRP to heel point	H30	240 (9.45)
SgRP to heel point	L53	882 (34.7)
Back angle (degrees)	L40	25
Hip angle (degrees)	L42	97° 30'
Knee angle (degrees)	L44	129
Foot angle (degrees)	L46	87
Design H-point front travel	L17	210 (8.27)
Normal driving & riding seat track trvl.	L23	210 (8.27)
Shoulder room	W3	1242 (48.9)
Hip room	W5	1199 (47.2)
*** Upper body opening to ground	H50	1244 (49.0)
Steering wheel maximum diameter*	W9	385
Steering wheel angle (degrees)	H18	23° 46'
Accel. heel pt. to steer. whl. cntr.	L11	465
Accel. heel pt. to steer. whl. cntr.	H17	631
Undepressed floor covering thickness	H67	30 (1.2)

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	735 (28.9)
Effective head room	H63	915 (36.0)
Min. effective leg room	L51	819 (32.2)
SgRP (second to heel)	H31	281 (11.1)
Knee clearance	L48	-23 (-0.9)
Shoulder room	W4	1242 (48.9)
Hip room	W6	1115 (43.9)
*** Upper body opening to ground	H51	—
Back angle (degrees)	L41	25
Hip angle (degrees)	L43	80.8
Knee angle (degrees)	L45	76.2
Foot angle (degrees)	L47	117.8
Depressed floor covering thickness	H73	20 (0.78)

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	N/A
*** Lifter height	H195	688 (27.1)

Interior Volumes (EPA Classification)

Vehicle class	Sub-Compact
Interior volume index including trunk/cargo (cu. ft.)**	2429 L (85.78 cu-ft)
Trunk/cargo index (cu. ft.)	238 L (8.4 cu-ft)

* 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 Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (e) _____

METRIC (U.S. Customary) Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

2-Door Hatchback
 1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

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	1095 (43.11)
Cargo length at floor (front)	L209	845 (37.20)
Cargo length at second seatback height	L210	374 (14.72)
Cargo length at floor (second)	L211	535 (21.06)
Front seatback to load floor height	H197	501 (19.72)
Second seatback to load floor height	H198	421 (16.57)
Cargo volume index m ³ (ft. ³)	V3	636 L (22.5 cu. ft)
Hidden cargo volume index m ³ (ft. ³)	V4	N/A
Cargo volume index - rear of 2-seat	V11	238 L (8.4 cu. ft)

All linear dimensions are in millimeters (inches) unless otherwise noted.

* MPV - Multipurpose Vehicle

** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Model Code/
Description

1.0 LITER (RPO LP2) & 1.3 LITER (RPO L72) ELECTRONIC FUEL INJECTION

2-Door Hatchback

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location	
Front (1)	Front Suspension Strut Upper Center	
Front (2)		
Rear (1)	Burring Hole Center of Rear Floor Side Member at Rear Most Bottom	
Rear (2)		
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	512 mm (20.2 in.)
	L54**	569 mm (22.4 in.)
	H81**	525 mm (20.7 in.)
	H181***	775 mm (30.51 in.)
	H163***	757 mm (29.80 in.)
Rear	W22**	463 mm (18.2 in.)
	L55**	3260 mm (128.4 in.)
	H82**	159 mm (6.3 in.)
	H162***	432 mm (17.01 in.)
	H164***	410 mm (16.14 in.)

* 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 Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (*)

Code	Model	VEHICLE MASS (WEIGHT) Including options over 33%					% 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
2 Door Hatchback 1.0 L Base (M/T)	(kg)	509	322	831	805				BDC	
	(lbs)	(1122)	(710)	(1832)	(1775)	2125				
2 Door Hatchback 1.3L Base (M/T)	(kg)	526	322	848	822				BDC	
	(lbs)	(1160)	(710)	(1869)	(1812)	2250				
2 Door Hatchback 1.3L Base (A/T)	(kg)	552	322	874	848				BRC	
	(lbs)	(1217)	(710)	(1927)	(1870)	2250				
2 Door Hatchback 1.0 L LSi (M/T)	(kg)	510	325	835	809				BDD	
	(lbs)	(1124)	(716)	(1841)	(1784)	2125				
2 Door Hatchback 1.3L LSi (M/T)	(kg)	527	325	852	826				BDD	
	(lbs)	1162	716	1878	1821	2250				
2 Door Hatchback 1.3 L LSi (A/T)	(kg)	553	325	878	852				BRD	
	(lbs)	1219	716	1936	1879	2250				
Curb Weight includes following weight(s)										
Air conditioner— Yes										
Power steering— No										
Antilock Brake System— No										
Gasoline tank Capacity 40 Liters 30(kg)										

* 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:

34.5 Liters (28 kg)

MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line Geo METRO - HATCHBACK
 Model Year 1996 Issued Revised (*)

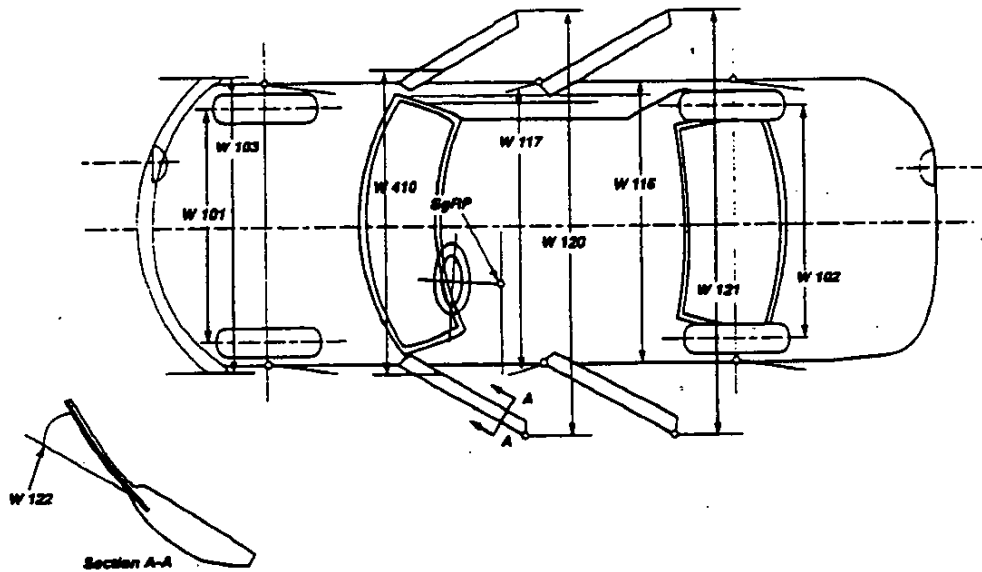
Code	Equipment	Optional Equipment Differential Mass (weight)*			Remarks Restrictions, Requirements
		MASS, kg. (lb.)			
		Front	Rear	Total	
B37	Floor Piece Mat	2.0 (4.4)	2.0 (4.4)	4.0 (8.8)	
C25	Rear Window Washer & Wiper	0 (0)	1.3 (2.9)	1.3 (2.9)	
C49	Air Conditioning	20.3 (44.8)	-2.0 (-4.4)	18.3 (40.3)	
D35	OSRV Mirror (RH)	0.6 (1.3)	0.5 (1.1)	1.1 (2.4)	
MX1	Automatic Transmission	26.0 (57.3)	-3.0 (-6.6)	23.0 (50.7)	
PB2	Full Wheel Cover	0.77 (1.69)	0.77 (1.69)	1.54 (3.39)	
UM6	AM/FM Stereo w/Cassette Deck	2.0 (4.4)	0.7 (1.5)	2.7 (6.0)	
UM7	Radio - AM/FM Stereo	2.0 (4.4)	0.7 (1.5)	2.7 (6.0)	
U66	Radio Speakers - Dual Rear	0.9 (2.0)	0.9 (2.0)	1.8 (4.0)	
VH4	Front and Rear Mud Guard	0.5 (1.1)	0.7 (1.5)	1.2 (2.6)	

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

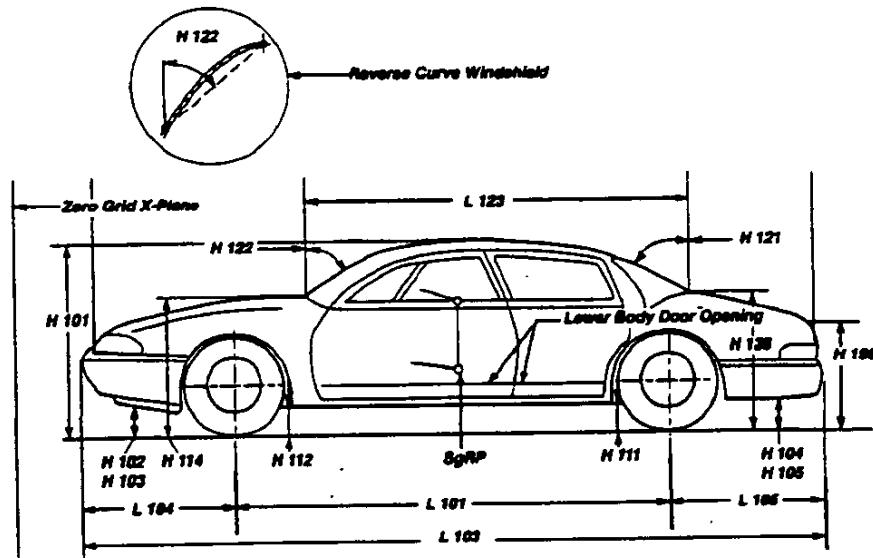
AAMA Specifications METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions - Key Sheet

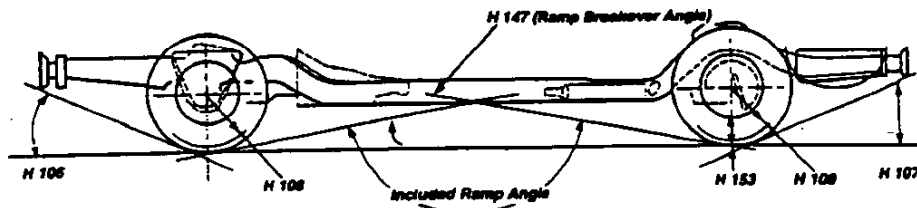
Exterior Width Dimensions



Exterior Length & Height Dimensions



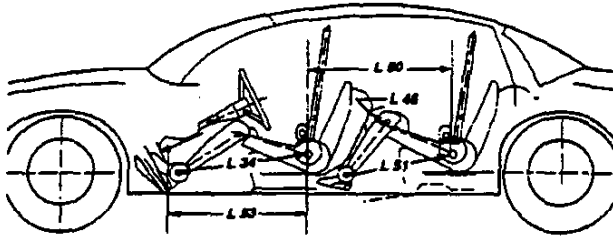
Ground Clearance Dimensions



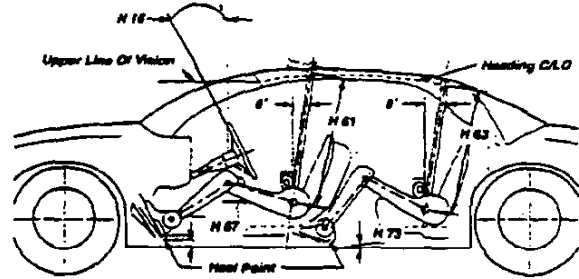
AAMA Specifications METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

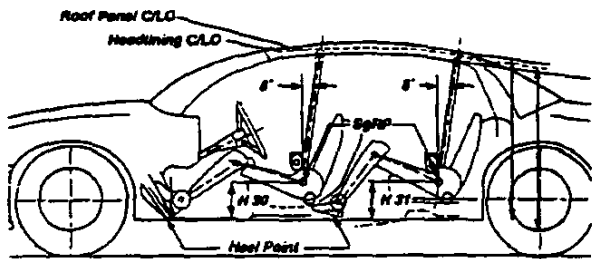
Interior Length Dimensions



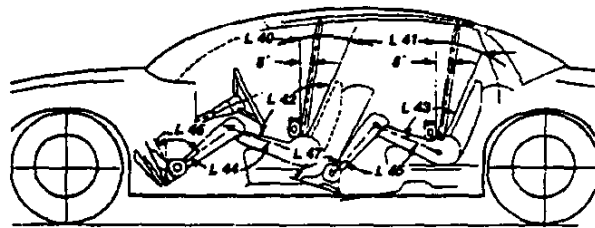
Interior Height Dimensions



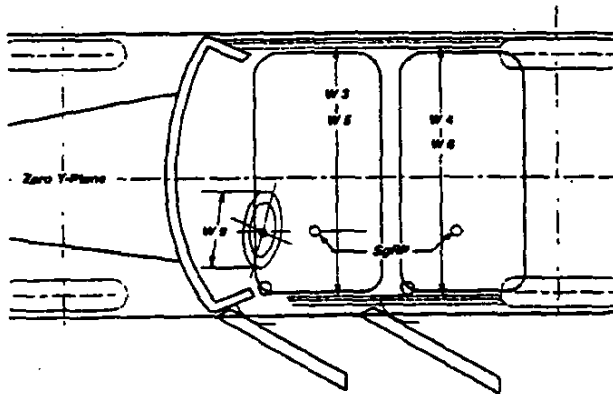
Interior Height Dimensions



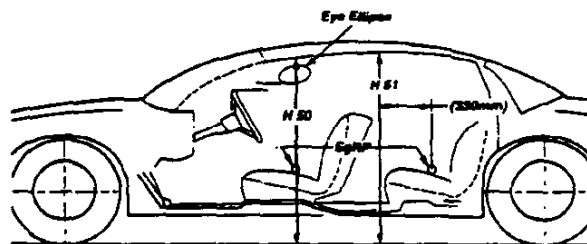
Interior Length Dimensions



Interior Width Dimensions



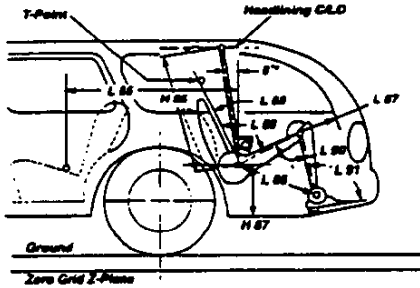
Interior Height Dimensions



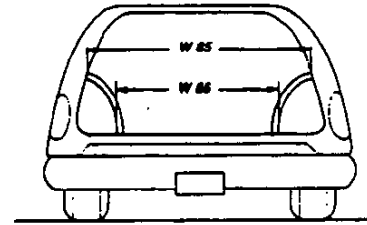
AAMA Specifications
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

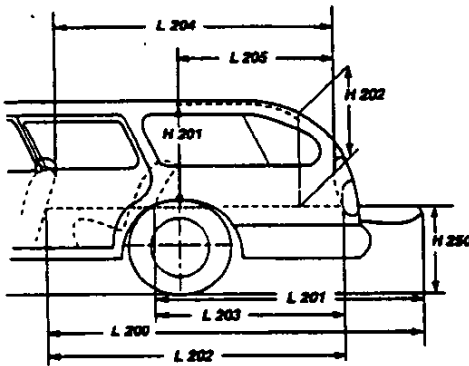
Interior Dimensions, Station Wagon Third Seat



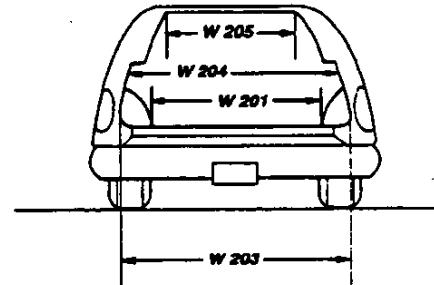
Interior Dimensions



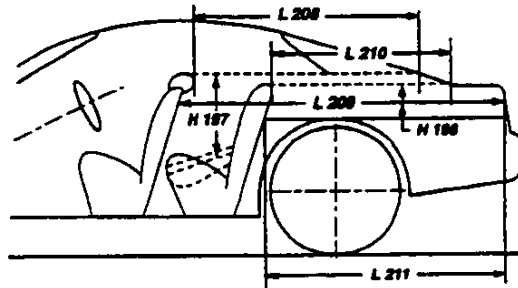
Cargo Space Dimensions



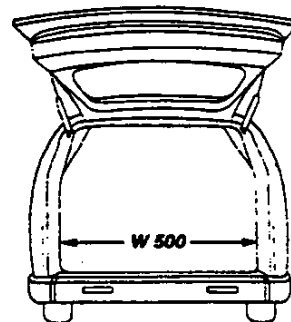
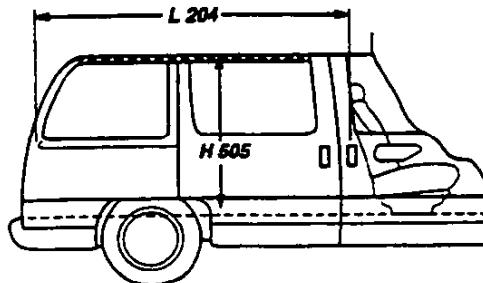
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space



AAMA Specifications

METRIC (U. S. Customary)

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 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 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 foremost 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 upper 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 from 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 BUMPERTO GROUND-CURB MASS(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 angle 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.

AAMA Specifications

METRIC (U. S. Customary)

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.
 H181 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 underdepressed 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 underdepressed 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.

AAMA Specifications

METRIC (U. S. Customary)

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 wheelhouses 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.

AAMA Specifications

METRIC (U. S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

<p>V2 STATION WAGON Measured in inches:</p> $\frac{W4 \times H201 \times L204}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>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.</p> <p>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.</p> <p>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.</p>
<p>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.</p> <p>V5 TRUCKS AND MPV'S WITH OPEN AREA. Measured in inches:</p> $\frac{L506 \times W505 \times H503}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L506 \times W500 \times H503}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>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.</p> <p>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.</p> <p>H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undepressed floor covering.</p>
<p>V6 TRUCKS AND MPV'S WITH CLOSED AREA. Measured in inches:</p> $\frac{L204 \times W500 \times H505}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>V3 HATCHBACK. Measured in inches:</p> $\frac{L208+L209}{2} \times W4 \times H197 = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L208+L209}{2} \times W4 \times H197 = \text{m}^3(\text{cubicmeter})$
<p>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.</p> <p>V10 STATION WAGON CARGO VOLUME INDEX. Measured in inches:</p> $\frac{H201 \times L205 \times \frac{W4+W201}{2}}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{H201 \times L205 \times \frac{W4+W201}{2}}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>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.</p> <p>V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor: Measured in inches:</p> $\frac{L210+L211}{2} \times W4 \times H198 = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L210+L211}{2} \times W4 \times H198 = \text{m}^3(\text{cubicmeter})$

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).

AAMA Specifications

METRIC (U. S. Customary)

Index

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

1996

Manufacturer SUZUKI MOTOR CORPORATION	Vehicle Line Geo METRO (1.3L Sedan)	
Mailing Address GENERAL MOTORS CORPORATION CHEVROLET MOTOR DIVISION 30007 VAN DYKE WARREN, MI 48090-9065	Issued	Revised

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



METRIC (U.S. Customary)

Table of Contents

1	Vehicle Models/Origin	∅	Indicates Format Change From Previous Year
2	Power Teams		
3	Engine		
4	Lubrication System		
4	Diesel System		
5	Cooling System		
6	Fuel System		
7	Vehicle Emission Control		
∅ 7	Exhaust System		
8-10	Transmission, Axles and Shafts		
11	Suspension		
12-13	Brakes, Tires and Wheels		
14	Steering		
15-16	Electrical		
17	Body - Miscellaneous Information		
17	Frame		
18	Restraint System		
18	Glass		
18	Headlamps		
19	Climate Control System		
∅ 20-21	Convenience Equipment		
21	Trailer Towing		
22-24	Vehicle Dimensions		
25	Vehicle Fiducial Marks		
26	Vehicle Mass		
27	Optional Equipment Differential Mass (Weight)		
28-34	Vehicle Dimensions Definitions - Key Sheets		
35	Index		

NOTE:

1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of 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 Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

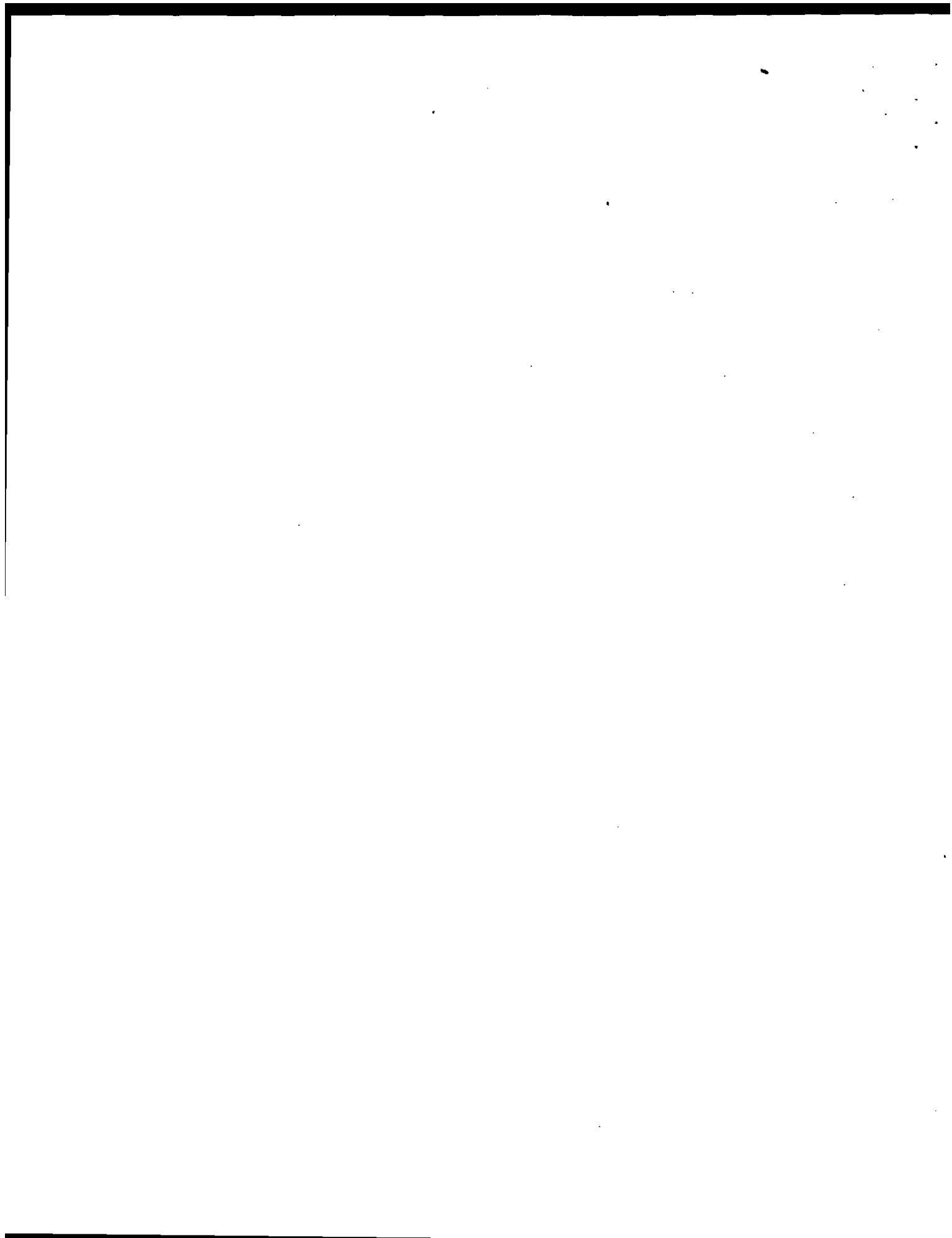
Vehicle Origin

Design & development (company)	SUZUKI MOTOR CORPORATION (Japan)
Where built (country)	Canada
Authorized U.S. sales marketing representative	Geo

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfg's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
Metro 1.3L 4 Door Sedan (FWD)		1MR69	2 / 2	40 kg (88 lbs)	MT: 39/43 AT: 30/34
Firefly 1.3L 4 Door Sedan (FWD)		7MR69	2 / 2	40 kg (88 lbs)	MT: 39/43 AT: 30/34

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



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

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	
E N G I N E	Engine Code	L72	L72			
	Displacement Liters (in ³)	1.3 (79)	1.3 (79)			
	Induction system (FI, Carb, etc.)	Throttle Body Injection	Throttle Body Injection			
	Compression ratio	9.5:1	9.5:1			
	SAE Net at RPM	Power kW (bhp)	52 (70) @ 5500	52 (70) @ 5500		
		Torque N • m (lb. ft.)	100 (74) @ 3000	100 (74) @ 3000		
Exhaust single, dual		Single	Single			
T R A N S	Transmission/ Transaxle	Manual 5 Speed	Automatic 3 Speed			
	Effective Final Drive / Axe Ratio (std. first)	3.789	3.684 x 0.980			

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
Metro 4-Door Sedan (M/T)	1MR69	A	
Metro 4-Door Sedan (A/T)	1MR69	B	
Firefly 4-Door Sedan (M/T)	7MR69	A	
Firefly 4-Door Sedan (A/T)	7MR69	B	



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

Engine - General

Type & description (Inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Inline, Front, Transverse, SOHC	
Manufacturer	Suzuki Motor Corporation	
No. of cylinders	4	
Bore	74 mm (2.91 in.)	
Stroke	75.5 mm (3.03 in.)	
Bore Spacing (C / L to C / L)	84 mm (3.31 in.)	
Cylinder block material & mass kg. (lbs.) (machined)	Aluminum Alloy, 14.08 (30.98)	
Cylinder block deck height	186.8 mm (7.35 in.)	
Cylinder block length	372 mm (14.65 in.)	
Deck clearance (minimum) (above or below block)	0.2 mm (0.01 in.) Above	
Cylinder head material & mass kg. (lbs.)	Aluminum Alloy, 6.97 (15.4)	
Cylinder head volume cm ³ (inches ³)	32.2 (1.96)	
Cylinder liner material	Cast Iron	
Head gasket thickness (compressed)	1.2 mm (0.05 in.)	
Minimum combustion chamber total volume cm ³ (inches ³)	38.2 cm ³	
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	—
Firing order	1-3-4-2	
Intake manifold material & mass kg. (lbs.)**	Aluminum Alloy, 2.2 (4.9)	
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron 3.7 (8.2)	
Knock sensor (number & location)	N/A	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87 or more	
Engine Mounts	Quantity	3
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Rubber-Elastomeric MT: Elastomeric Rubber AT: Elastomeric Rubber & Hydroelastic Elastomer
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (wt) dry***	MT; 73.0 kg (160.9 lbs) AT: 67.9 kg (149.7 lbs)	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, 226 g (7.97 oz)
--	---------------------------------

Engine - Camshaft

Location	In Cylinder Head	
Material & mass kg (weight, lbs.)	Cast Iron, 1.916 (4.22)	
Drive type	Chain / belt	Belt
	Width / pitch	25.4 / 9.525 (1.00 / 0.38)

- * 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.



11
12
13
14
15



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTROINC FUEL INJECTION RPO L72

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake / exhaust	4 / 4
	Head O.D. intake / exhaust	36 / 30 mm (1.42 / 1.18 in.)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel 0.37 (0.82)
Length (axes C/L to C/L)	120 mm (4.72 in.)

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron 7.253 (15.99)
End thrust taken by bearing (no.)		2
Length & number of main bearings		18 mm (0.71 in) x 5
Seal (material, one, two piece design, etc.)	Front	Rubber, 1 Piece
	Rear	Rubber, 1 Piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm		392 (56.8) @ 4000	
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full Flow	
Capacity of c/case, less filter-refill-L (qt.)		3.1 (3.3) () = Filter Replace	
Lubricant	Factory Fill	Viscosity (SAE No.)	5W-30
		Service Designation	SH
	User Recommend	Viscosity (SAE No.)	5W-30
		Service Designation	SG,SH, GF-1

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



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Bottle	
Radiator cap relief valve pressure kPa (psi)		88.3 (12.8)	
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at °C (°F)	88 (190)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GMP 1000 pump rpm	4.0 Gallon / Min	
	Number of pumps	1	
	Drive (V-belt, other)	V Ribbed Belt	
	Bearing type	Ball	
	Impeller material	Steel	
	Housing material	Aluminum Alloy	
By-pass recirculation type (inter., ext.)		External	
Cooling System capacity	With heater - L (qt.)	MT: 4.6 AT: 4.7	
	With air conditioner - L (qt.)	MT: 4.6 AT: 4.7	
	Opt. equipment specify - L (qt.)	N/A	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		Yes	
Radiator core	Std., A/C, HD	Standard	
	Type (cross-flow, etc.)	Vertical-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube	
	Material, mass kg (wgt., lbs.)	Copper & Brass, MT: 2.0 AT: 3.1	
	Width	353.6 mm (13.9 in.)	
	Height	350 mm (13.8 in.)	
	Thickness	MT: 16 mm (0.63 in.) AT: 27 mm (1.06 in.)	
Radiator end tank material		Plastics	
Fan	Std., elec., opt.	Standard, Elec	
	Number of blades & type (flex, solid, material)	5, Solid, Plastic	
	Number & location (front, rear of radiator)	1, Rear of Radiator	
	Diameter & projected width	280 mm (11.02 in.)	
	Ratio (fan to crankshaft rev.)	N/A	
	Fan cutout type	—	
	Drive type (direct, remote)	Electric Motor Drive	
	RPM at idle (elec.)	2100 rpm	
	Motor rating (wattage/elec.)	80 W	
	Motor switch (type & location/elec.)	Type: Controlled by ECU Location: In instrument panel (ECU), on thermostat case (temp sensor)	
	Switch point (temp./pressure/elec.)	ON/OFF 98/93°C	
	Fan shroud (material)		Plastic



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		NIPPON DENSO
Carburetor no. of barrels		N/A
Idle A/F mix.		Preset at Manufacture
Fuel injection	Point of injection (no.)	Throttle Body (1)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	180 (26)
Idle speed-rpm (spec. neutral or drive and propene if used)	Manual	800 (Neutral)
	Automatic	850 (Neutral or Park)
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water Thermostatic
Air cleaner type		Replaceable Nonwoven Fabric Element, Single snorkel
Fuel filter (type/location)		Paper/Fuel Tank Side
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Pressure range kPa (psi)	637 (93)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	80 @ 294 (21.1 @ 43)

Fuel Tank

Capacity refill L (gallons)		40 (10.6)
Location (describe)		Under Floor - Rear
Attachment		Bolts
Material & Mass kg. (weight lbs.)		Steel, 8.2 (18.1)
Filler pipe	Location & material	Left Side Rear Quarter Panel, Steel
	Connection to tank	Kevlar Reinforced Rubber Hose
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel & Rubber
Extended range tank	Opt., n.s.	N/A
	Capacity L (gallons)	N/A
	Location & material	N/A
	Attachment	N/A
Auxiliary tank	Opt., n.s.	N/A
	Capacity L (gallons)	N/A
	Location & material	N/A
	Attachment	N/A
	Selector switch or valve	N/A
Separate fill		N/A



10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (•) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

Vehicle Emission Control

Type (air injection, engine modifications, other)		TBI/TWC/HO2S/EGR		
Exhaust Emission Control	Air Injection	Pump or pulse	N/A	
		Driven by	N/A	
		Air distribution (head, manifold, etc.)	N/A	
		Point of entry	N/A	
	Exhaust Gas	Type (controlled flow, open orifice, other)	Backpressure Controlled	
		Exhaust source	Intake Manifold	
	Recirculation	Point of exhaust injection (spacer, carburetor, manifold, other)	Manifold	
	Catalytic Converter	Type	Three Way Cat. JV4	
		Number of	1	
Locations(s)		Under Floor		
Volume L (in ³)		1.02L (62 in.3)		
Substrate type		Monolith 62 cell / cm ²		
Noble metal type		Platinum & Rhodium		
		Noble metal concentration (g/cm ²)	Confidential	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System (Positive Crankcase Ventilation System)	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Intake Manifold	
	Air inlet (breather cap, other)		Air Cleaner	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister	
		Carburetor	N/A	
	Vapor storage provision		Canister	
Electronic System	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	
	California OBD-11 system (yes/no)		Yes	
	EVAP-11 system (yes/no) Fed. spec. vehicle		Yes	
	EVAP-11 system (yes/no) Cal. spec. vehicle		Yes	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	Muffler 1, - Reverse Flow	
	Resonator no., type, & volume (liters)	
Exhaust pipe	Branch o.d., wall thickness	N/A
	Main o.d., wall thickness	φ 38.1 - 1.2 mm / φ 41.3 - 1.2 mm
	Material & Mass kg. (weight lbs.)	Inner: Stainless Steel, Outer: Aluminum Coated Steel
Intermediate pipe	o.d. & wall thickness	φ 38.1 - 1.6 mm
	Material & Mass kg. (weight lbs.)	Aluminum Coated Steel
Tail pipe	o.d. & wall thickness	φ 38.1 - 1.2 mm
	Material & Mass kg. (weight lbs.)	Stainless Steel



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

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

Manual 4-speed (manufacturer/country)	N/A
Manual 5-speed (manufacturer/country)	Suzuki Motor Corporation / Japan
Manual 6-speed (manufacturer/country)	N/A
Automatic (manufacturer/country)	Aisin Seiki / Japan
Automatic overdrive (manufacturer/country)	N/A

Manual Transmission/Transaxle

Transmission Code M5-3(P)

Number of forward speeds		5
Gear ratios	1st	3.583
	2nd	1.894
	3rd	1.280
	4th	0.914
	5th	0.757
	6th	N/A
	Reverse	3.272
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor Mounted
Trans. case material & mass kg. (lbs.)*		Aluminum Die Cast, 28.2 (62.2)
Lubricant	Capacity L (pt.)	2.4 L (5.1)
	Type recommended	Gear Oil GL4
SAE Viscosity Number		75 W / 90

Clutch (Manual Transmission)

Clutch manufacturer		Daikin Clutch Corporation	
Clutch type (dry, wet; single, multiple disc)		Dry, Single Disc	
Linkage (hydraulic, cable, rod, lever, other)		Cable	
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	120	
	Released	75	
Assist (spring, power/percent, nominal)		None	
Type pressure plate springs		Diaphragm Spring	
Total spring load (nominal) N (lbs.)		3190 N (717.1 lbs.)	
Clutch facing	Facing m/gr. & material coding	ASK TECHNICA CORPORATION, JD-8	
	Facing material & construction	Non-Asbestos, Semi Mold	
	Rivets per facing	16	
	Outside x inside dia. (nominal) (mm) inch	190 x 132 (7.48 x 5.20) Unit: mm(inch)	
	Total eff. area cm ² (in. ²)	147 (22.8)	
	Thickness (pressure plate side/fly wheel side)	3.5 mm / 3.5 mm (0.14 in / 0.14 in.)	
	Rivet depth (pressure plate side/fly wheel side)	Min. 1.3 mm / Min. 1.3 mm (0.05 in. / 0.05 in.)	
Engagement cushion method		Separate Cushion Type	
Release bearing type & method lub.		Automatic Center Adjusting Type with Grease Lubrication	
Torsional damping method, springs, hysteresis		Spring Type	

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



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

Automatic Transmission/Transaxle
 T/M Identification **A3-1(P)**

Trade Name		3-Speed Automatic
Type and special features (describe)		Torque Converter with Planetary Gears
Shift mechanics		Electronic Control
Gear selector	Location (column, floor, other)	Floor Mounted
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-L
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	2.810
	2nd	1.549
	3rd	1.000
	4th	N/A
	5th	N/A
	6th	N/A
	Reverse	2.296
Final drive ratio		0.980 x 3.684
Max. upshift vehicle speed - drive range km/h (mph)		1 - 2 = 59 (36.7) 2 - 3 = 112 (69.6)
Max. upshift engine speed RPM		1 - 2 = 5700 2 - 3 = 5960
Max. kickdown speed - drive range km/h (mph)		2 - 1 = 40 (24.9) 3 - 2 = 97 (60.3)
Min. overdrive speed km/h (mph)		N/A
Torque converter	Type	3 Elements, 1 Stage, 2 Phases
	Torus design	Round
	Number of elements	3
	Max. ratio at stall	2.34:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	226 mm (8.90 in.)
Capacity factor "K"		K: 265
Pump type		Trochoid Pump
Lubricant	Capacity refill L (pt.)	4.9 (10.4)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Integral with Radiator
Transmission mass kg (lbs.) & case material**		Aluminum Die-Cast, 51 (112)

All Wheel / 4 Wheel Drive

Not Applicable - 2 Wheel Drive Models

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.



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)		MT: 3.789	AT: 3.610 (0.980 x 3.684)
Transfer ratio and method (chain, gear, etc.)		N/A	
Front drive unit	Ring gear o.d.	MT: 181.12 mm (7.13 in.)	AT: 185.83 mm (7.32 in.)
	No. of teeth	Pinion	MT: 19
		Ring gear	MT: 72
		AT: 51, 19	AT: 50, 70

Front Drive Unit

Description (integral to trans., etc.)		Front Differential with Helical Gears and Ball Bearing	
Limited slip differential (type)		N/A	
Drive pinion	Type	Helical Gear	
	Offset	N/A	
No. of differential pinions		2	
Pinion / differential	Adjustment (shim, etc.)	MT: N.A.	AT: Shim
	Bearing adjustment	N/A	
Driving wheel bearing (type)		Ball Bearing	
Lubricant	Capacity L (pt.)	MT: See Page 8	AT: See Page 9
	Type recommended	MT: See Page 8	AT: See Page 9
SAE Viscosity Number		MT: See Page 8	AT: See Page 9

Axle Shafts - Front Wheel Drive

Manufacturer and number used		NTN DRIVESHAFT, INC. 2		
Type (straight, solid bar, tubular, etc.)	Left	Solid Bar		
	Right	MT: Solid Bar, AT: Tubular		
Outer diam. x length* x wall thickness	Manual Transaxle	Left	22 x 393.5 mm (0.87 x 15.49 in.)	
		Right	22 x 393.5 mm (0.87 x 15.49 in.)	
	Automatic transaxle	Left	22 x 348.5 mm (0.87 x 13.72 in.)	
		Right	31.8 x 669.5 x 3.8 mm (1.25 x 26.34 x 0.15 in.)	
	Optional transaxle	Left	Not Applicable	
		Right	Not Applicable	
Slip yoke	Type	Not Applicable		
	Number of teeth	"		
	Spline o.d.	"		
Universal joints	Make and mfg. no.	Inner	NTN DRIVESHAFT, INC. 2	
		Outer	NTN DRIVESHAFT, INC. 2	
	Number used		4	
	Type, size, plunge	Inner	MT: DOJ75, AT: TJ75	
		Outer	Rzeppa, BJ75	
	Attach (u-bolt, clamp, etc.)		Serration	
	Bearing	Type (plain, anti-friction)	Anti-Friction	
Lubrication (fitting, prepack)		Prepack		
Drive taken through (torque tube, arms or springs)		Lower: Control Arm, Upper: McPherson Strut		
Torque taken through (torque tube, arms or springs)		Engine Mounting System		

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



.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72 4-Door Sedan

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available		N/A	
	Manual/automatic control		N/A	
	Type (air/hydraulic)		N/A	
	Primary/assist spring		N/A	
	Rear only/4 wheel leveling		N/A	
	Single/dual rate spring		N/A	
	Single/dual ride heights		N/A	
Shock absorber damping controls	Standard/option/not available		N/A	
	Manual/automatic control		N/A	
	Number of damping rates		N/A	
	Type of actuation (manual/electric motor/air, etc.)		N/A	
	Sensors	Lateral acceleration		N/A
		Deceleration		N/A
		Acceleration		N/A
Road surface		N/A		
Shock absorber (front & rear)	Type	Front: McPherson	Rear: McPherson, Double Action Hydraulic	
	Make	Front: SUNBURY	Rear: SUNBURY	
	Piston diameter	Front: 25	Rear: 25	
	Rod diameter	Front: 18	Rear: 18	

Suspension - Front

Type and description		McPherson Strut with Coil Spring	
Travel	Full jounce (define load condition) (mm)	84	
	Full rebound (mm)	41.5	
Spring	Type (coil, leaf, other & material)		Coil, Steel
	Insulators (type & material)		Rubber Top Only
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Coil: M/T: Right 302.5x121, Left 311.5 x 120.8 A/T: Right 302.5 x 121, Left 311.5 x 120.8
	Spring rate N/mm (lb./in.)		21.6 (123.2)
	Rate at wheel N/mm (lb./in.)		21.6 (123.2)
Stabilizer	Type (link, linkless, frameless)		Link
	Material & O.D. bar/tube, wall thickness		Steel Bar, ϕ 24 mm

Suspension - Rear

Type and description		McPherson Strut, Separate Coil Spring	
Travel	Full jounce (define load condition)	63	
	Full rebound	26.5	
Spring	Type (coil, leaf, other & material)		Coil, Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		275.5 x 95
	Spring rate N/mm (lb./in.)		50.5 (287.9)
	Rate at wheel N/mm (lb./in.)		19.6 (111.8)
	Insulators (type & material)		Rubber Top Only
	if leaf	No. of leaves	N/A
Shackle (comp. or tens.)		N/A	
Stabilizer	Type (link, linkless, frameless)		Link
	Material & O.D. bar/tube, wall thickness		Steel, ϕ 18 mm
Track bar (type)		None	



10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72 4-Door Sedan

Brakes - Service

Description		Power - Assisted (Front Ventilated Disc/Rear Drum)		
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Tokico, Disc		
	Rear (disc or drum)	Nisshinbo, Drum		
Valving type (proportion, delay, metering, other)		Proportion		
Power brake (std., opt., n.a.)		Standard		
Booster type (remote, integral, vac., hyd., etc.)		Vacuum		
Vacuum	Source (inline, pump, etc.)	Inline (Intake manifold)		
	Reservoir (volume in. ³)	Not Applicable		
	Pump-type (elec., gear or belt driven)	Not Applicable		
Traction assist	Operational speed range	Not Applicable		
	Type (engine or brake intervention)	Not Applicable		
Antilock device	Front/rear (std., opt., n.a.)	4 Wheel		
	Manufacturer	Delco		
	Type (electronic, mech.)	Electronic		
	Number sensors or circuits	4 Sensors		
	Number antilock hydraulic circuits	3 Circuits		
	Integral or add-on system	Add-On System		
	Yaw control (yes, no)	Yes		
Hyd. power source (elec., vac., mtr., pwr., strg.)		Electronic		
Effective area cm ² (in. ²)*		140/230 (21.7/35.7)		
Gross Lining area cm ² (in. ²)** (F/R)		140/230 (21.7/35.7)		
Swept area cm ² (in. ²)** (F/R)		902/376 (139.8/58.3)		
Rotor	Outer working diameter	mm(in)	F/R 229 (9.02) / -	
	Inner working diameter	mm(in)	F/R 154 (6.06) / -	
	Thickness	mm(in)	F/R 17 (0.67) / -	
	Material & type (vented/solid)	F/R	Cast Iron, Vented	
Drum	Diameter & width	F/R	- / 200 x 30 (-/7.87 x 1.18 in.)	
	Type and material	F/R	- / Cast Iron	
Wheel cylinder bore		mm(in)	48.1 / 17.4 (1.89 / 0.685)	
Master cylinder	Bore/stroke	F/R	20.6 / 29.5 (0.81 / 1.16)	
Pedal arc ratio		4.1:1		
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]		-		
Lining clearance		F/R	Self Adjusting / Self Adjusting	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded
		Rivet Size		N/A
		Manufacturer		AKEBONO BRAKE INDUSTRY Co., Ltd.
		Lining code ****		AK NS175 H EF
		Material		Non-asbestos Resin Mold Including Metal
		****	Primary or out-board	105 x 37.5 x 10 (4.13 x 1.48 x 0.39)
		Size	Secondary or in-board	105 x 37.5 x 10 (4.13 x 1.48 x 0.39)
	Shoe thickness (no lining)		5 mm	
	Rear wheel	Bonded or riveted (rvts/seg.)		Bonded
		Manufacturer		Nisshin Spinning
		Lining code ****		NBK D9007FF
		Material		Non-asbestos Resin Mold
		****	Primary or out-board	191.9 x 30 x 4.5 (7.56 x 1.18 x 0.18)
		Size	Secondary or in-board	191.9 x 30 x 4.5 (7.56 x 1.18 x 0.18)
Shoe thickness (no lining)		1.6 (0.063)		

* 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.



11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72 4-Door Sedan

Tires And Wheels (Standard)

Tires	Tire Size (service description)		P155/80R13				
	Manufacture		GOODYEAR				
	Type (bias, radial, steel, nylon, etc.)		Radial	Four season tread deign	Material & Number of piles ()	Belt	Steel (2) + Polyester (1)
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220 (32)			Side Wall	Polyester (1)
		Rear kPa (psi)	220 (32)				
	Rev./mile at 70 km/h (45 mph)		912				
	Tread depth		7.8				
Wheels	Type & material		Drop Center, Steel				
	Rim (size & flange type)		13 x 4 1/2 J				
	Wheel offset		45 mm				
	Attachment	Type (bolt or stud & nut)		Stud & Nut			
		Circle diameter		114.3 mm			
Number & size		4-M12					
Spare	Tire and wheel		T115/70D14, 14 x 4T				
	Storage position & location (describe)		Flat Under Rear Load Floor				

Tires And Wheels (Optional)

Not Applicable

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)	
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)	

Brakes - Parking

Type of control	Lever-Hand Operated	
Location of control	Between Front Seat	
Operates on	Rear Service Brakes	
If separate from service brakes	Type (internal or external)	N/A
	Drum diameter	N/A
	Lining size (length x width x thickness)	N/A



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

4-Door Sedan

Steering

Manual (std., opt., n.a.)		Standard		
Power (std., opt., n.a.)		Optional		
Speed-sensitive (std., opt., n.a.)		N/A		
4-wheel steering (std., opt., n.a.)		N/A		
Adjustable steering wheel/column (tilt, telescope, other)	Type	N/A		
	Manufacturer	N/A		
	(std., opt., n.a.)	N/A		
Wheel diameter** (W9) SAE J1100	Manual	385 (15.2)		
	Power	385 (15.2)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	10.4 (34.1)	
		Curb to curb (l. & r.)	9.6 (31.5)	
	Inside rear	Wall to wall (l. & r.)	N/A	
		Curb to curb (l. & r.)	N/A	
Scrub Radius*		-1		
Manual	Gear	Type	Rack and Pinion	
		Manufacturer	Suzuki Motor Corporation	
		Ratios	Gear Overall	N/A 19:1
	No. wheel turns (stop to stop)		3.7	
Power	Type (coaxial, elec. hyd., etc.)		Hyd.	
	Manufacturer		Nippon Powersteering Co., Ltd.	
	Gear	Type	Rack & Pinion	
		Ratios	Gear Overall	N/A 18.1
		Pump (drive)		V-Ribbed Belt
	No. wheel turns (stop to stop)		3.6	
Linkage	Type		N/A	
	Location (front or rear of wheels, other)		N/A	
	Tie rods (one or two)		2	
Steering axle	Inclination at camber (deg.)		23.8 (Inclination of Column)	
	Bearings (type)	Upper	Ball Bearing	
		Lower	Needle Bearing	
		Thrust	N/A	
Steering spindle/knuckle & joint type		Serrated Shaft		

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

** See Page 23.



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/OR
 Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

4-Door Sedan

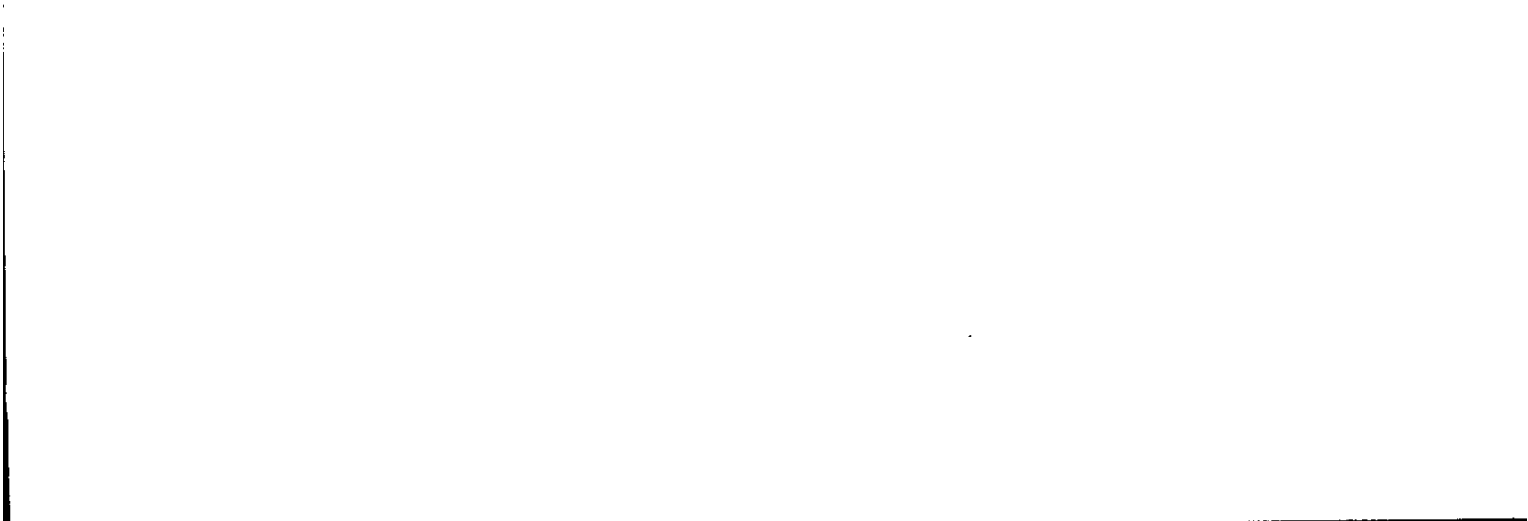
Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	3
		Camber (deg.)	0.35
		Toe-in outside track mm (in.)	2
	Service reset*	Caster (deg.)	Not Adjustable
		Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Adjustable
Periodic M.V. inspection	Caster (deg.)	3° +/- 2°	
	Camber (deg.)	0.35° +/- 1mm	
	Toe-in mm (in.)	2 +/- 2 mm	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0°
		Toe-in outside track mm (in.)	2 mm
	Service reset*	Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Adjustable
	Periodic M.V. insp.	Camber (deg.)	0° +/- 1°
		Toe-in mm (in.)	2 mm +/- 2 mm

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Analog	
	Trip odometer (std., opt., n.a.)	Standard	
Head-up display	Standard, optional, not available		N/A
	Type	Secondary, opto-electronic	N/A
	Speedometer	Digital	N/A
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	N/A
	Brightness control	Day / night mode, adjustable	N/A
EGR maintenance Indicator		N/A	
Charge indicator	Type	Telltale Warning Light	
	Warning device (light, audible)	Light	
Temperature indicator	Type	Analog Gauge with Pointer	
	Warning device (light, audible)	N/A	
Oil pressure indicator	Type	Telltale Warning Light	
	Warning device (light, audible)	Light	
Fuel indicator	Type	Analog Gauge with Pointer	
	Warning device (light, audible)	N/A	
Windshield wiper	Type (standard)	Electric 2 Speed + Intermittent	
	Type (optional)	N/A	
	Blade length	Dr.: 500 mm As: 475 mm	
	Swept area cm ² (in. ²)	6567 (1050)	
Windshield washer	Type (standard)	Electric, Lever Control: Pull Combination Switch Lever	
	Type (optional)	N/A	
	Fluid level indicator (light, audible)	N/A	
Rear window wiper, wiper/washer (std., opt., n.a.)		None	
Horn	Type	Electric Resonator	
	Number used	1	
Other		Service & Parking Brake Failure Warning Light, Seat Belt Warning Light and Buzzer, Headlamp High Beam Indicating Light, Check Engine Indicating Light, Turn Signal Indicating Light, Shift-Up Indicator (M/T Only).	



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

4-Door Sedan

Electrical - Supply System

Battery	Manufacturer	Delco Remy	
	Model, std., (opt.)	GP26-50S	
	Voltage	12V	
	Amps at 0° F. cold crank	390 Amp	
	Minutes-reserve capacity	71 Min.	
	Amps/hrs.-20 hr. rate	45 AH	
	Location	Left Hand Side of Engine Compartment	
Alternator	Manufacturer	Mitsubishi Electric	
	Rating (idle/max. rpm)	55A (2500 rpm)	
	Ratio (alt. crank/rev.)	2.36:1	
	Output at idle (rpm, park)	MT: 25A (750 rpm)	AT: 31A (850 rpm)
	Optional (type & rating)	None	
Regulator	Type	Integral with Alternator	

Electrical - Starting System

Motor	Manufacturer	Mitsubishi Electric	
	Current drain _____ °C (°F)	200 A Max	
	Power rating kw (hp)	MT: 0.9	AT: 1.2
Motor drive	Engagement type	MT: Positive Shift Solenoid	AT: Reduction
	Pinion engages from (front, rear)	Front	

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Electronic Spark Advance, Standard		
	Other (specify)	High Energy Ignition		
Coil	Manufacturer	Diamond Electric Manufacturing Corporation		
	Model	33410-50G1		
	Current	Engine stopped - A	0	
		Engine idling - A	1.5 A Max.	
Spark plug	Manufacturer & Model	NGK	BPR6ES-11	
	Manufacturer & Model	ND	W20EPR-U11	
	Manufacturer & Model			
	Manufacturer & Model	AC	R42XLS	
	Thread (mm)	M14 x 1.25		
	Tightening torque N-m (lb. ft.)	20-30 (15-22)		
	Gap	1.1 mm (0.04 in.)		
Distributor	Number per cylinder	1		
	Manufacturer	Nippon Denso		
	Model	33100 - 60G1		

Electrical - Suppression

Locations & type	Internal Alternator Capacitor, Resistor High Tension Ignition Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor.
------------------	--



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Model Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

4-Door Sedan

Body

Structure	Unitized Frame
Bumper system front - rear	Front & Rear bumper system is composed of energy absorption polypropylene with glass fiber and polypropylene cover
Anti-corrosion treatment	<ol style="list-style-type: none"> 1. Use of Surface Treated Steel Plates in Major Body Components 2. Application of Vinyl Chloride Coating to Floor Bottom Surface and Side Sill Outer Surface. 3. Application of Corrosion Protection Oil to Side Sill Inner Surface

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Enamel	
Hood	Material & mass	Steel 10.7(23.6)
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal & External
Trunk lid	Material & mass	Steel, 9.6
	Type (counterbalance, other)	Torsion Bars
	Internal release control (elec., mech., n.a.)	Base: N/A UP Grade: Mech.
Hatchback lid	Material & mass	N/A
	Type (counterbalance, other)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Tailgate	Material & mass	N/A
	Type (drop, lift, door)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Vent window control (crank, friction, pivot, power)	Front	N/A
	Rear	N/A
Window regulator type (cable, tape, flex drive, etc.)	Front	X Arm
	Rear	Cable
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Type, Steel Pipe Frame, Urethane Mold
	Rear	Bench Type, Steel Wire Frame, Urethane Mold
	3rd seat	N/A
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Type, Steel Pipe Frame, Urethane Mold
	Rear	Base: Bench Type Up Grade: 50/50 Type, Steel Pipe Frame, Urethane Mold
	3rd seat	N/A

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Frame
---	----------------



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description

4-Door Sedan

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / Optional	First seat	Lap and Shoulder Belt, ELR	N/A	Lap and Shoulder Belt ALR + ELR
		Second seat	Lap and Shoulder Belt, ALR + ELR	N/A	Lap and Shoulder Belt ALR + ELR
		Third seat	N/A	N/A	N/A
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard / Optional	First seat	Air Bag	N/A	Air Bag
		Second seat	N/A	N/A	N/A
		Third seat	N/A	N/A	N/A
Glass		SAE Ref.No.			
Windshield glass exposed surface area cm ² (in. ²)		S1	8759 cm ² (1358 in ²)		
Side glass exposed surface area cm ² (in. ²) - total 2 sides		S2	11248 cm ² (1743 in ²)		
Backlight glass exposed surface area cm ² (in. ²)		S3	5289 cm ² (820 in ²)		
Total glass exposed surface area cm ² (in. ²)		S4	25296 cm ² (3921 in ²)		
Windshield glass (type/thickness) mm(in.)			Laminated Glass 4.76 (0.19)		
Side glass (type/thickness) mm(in.)			Tempered Glass 3.5 (0.14)		
Backlight glass (type/thickness) mm(in.)			Tempered Glass 3.5 (0.14)		
Tinted (yes/no, location)			Yes, (Windshield glass, Side Glass, Backlight Glass)		
Solar control (yes/no, coated/batched, location)			No		

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Base: Halogen, Sealed Beam, Upgrade: Halogen, Replaceable bulb
Shape	Base: Rectangular, Up Grade: Composite
Lo-beam type (2A1, 2B1, 2C1, etc.)	Base: 2E1, Up Grade: HB2
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	Base: 2E1, Up Grade: HB2
Quantity	2



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

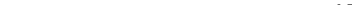
Engine Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

4-Door Sedan

Climate Control System

Air conditioning (std., opt., man., auto.)		Optional, Manual Control
Condenser	Type	Corrugated Fin Type
	Eff. face area (sq. mm.)	164,000
	Fins per inch	16.4
Evaporator	Type	Single Tank Laminate
	Eff. face area (sq. mm.)	44,120
	Fins per inch	14.5
Heater core	Material	Copper
	Eff. face area (sq. mm.)	24,990
	Fins per inch	29.0
Compressor	Type	Wobble
	Displacement (cc.)	99.8
	Manufacturer	Sanden Corporation
	A/C pulley ratio	1.4
Accumulator	Type	N/A
	Height (mm.)	N/A
	Diameter (mm.)	N/A
Receiver	Type	Dryer, Sight Glass, Safety Device
	Height (mm.)	167
	Diameter (mm.)	60
Refrigerant control (CCOT, TVS, etc.)		Thermostatic Expansion Valve
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		HFC - 134a
Charge level (lbs. - oz.)		1.21 lbs
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		Yes



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (9) _____

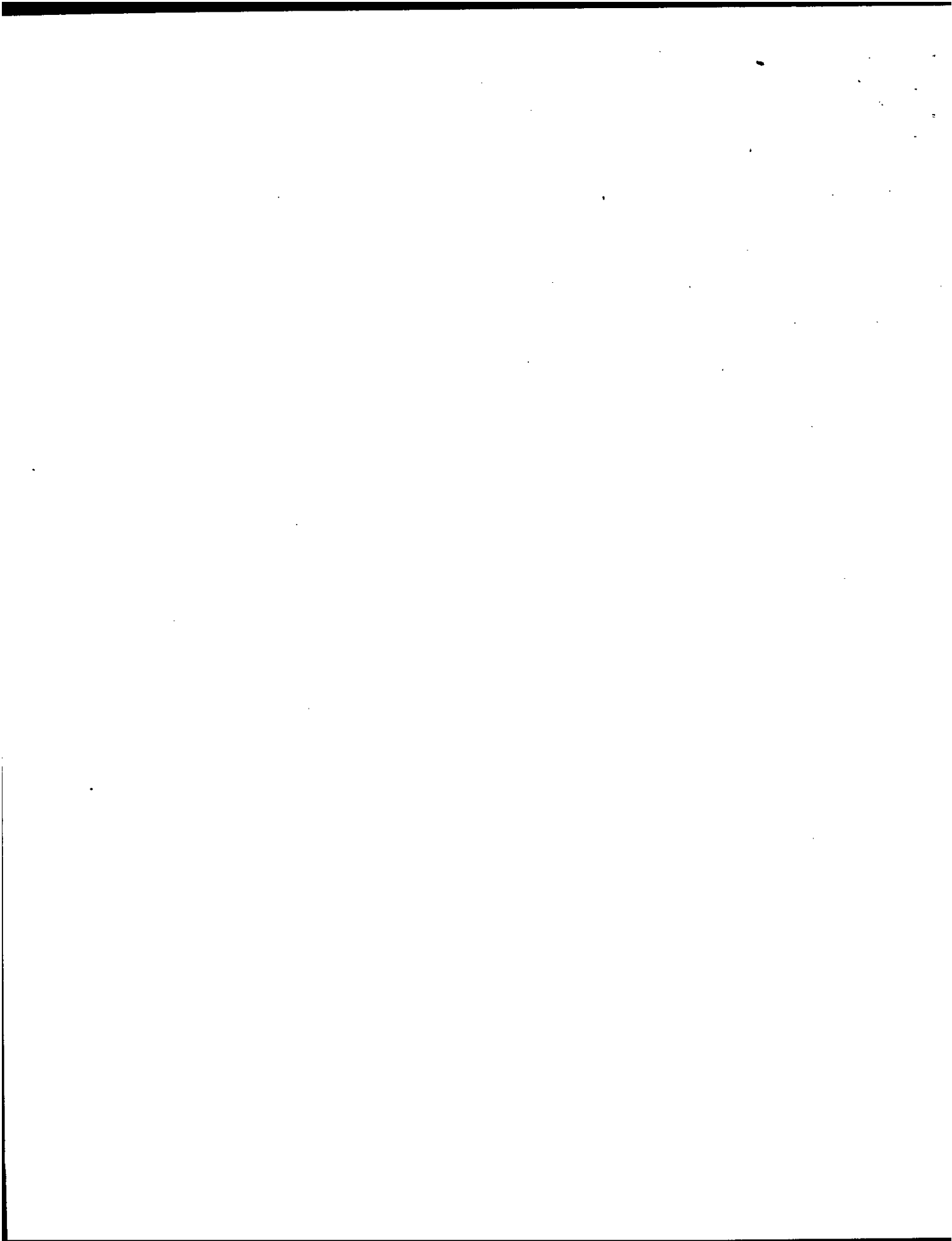
METRIC (U.S. Customary)

Model Code/Description

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72 4-Door Sedan

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

Clock (digital, analog)		Digital (Integrated with Radio), Optional
Compass / thermometer		N/A
Console (floor, overhead)		Floor, Standard
Defroster, electric windshield		N/A
Defroster, electric backlight		Optional
Electronic	Diagnostic monitor (integrated, individual)	N/A
	Instrument cluster (list instruments)	N/A
	Keyless entry	N/A
	Tripminder (avg. spd., fuel)	N/A
	Voice alert (list items)	N/A
	Other	None
Fuel door lock (remote, key, electric)		Base: Non-Lock Door Up Grade: Remote
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	Daytime Running Light (yes/no)	Yes
	Cornering	N/A
	Courtesy (map, reading)	N/A
	Door lock, ignition	N/A
	Engine compartment	N/A
	Fog	N/A
	Glove compartment	N/A
	Trunk	N/A
	Illuminated entry system (list lamps, activation)	N/A
	Other	N/A
Mirrors	Day / night (auto., man.)	Manual, Standard
	L.H. (remote, power, heated)	Select: Manual or Remote
	R.H. (convex, remote, power, heated)	Convex, Select: Manual or Remote
	Visor vanity (RH / LH, illuminated)	RH
Navigation system (describe)		N/A
Parking brake-auto release (warning light)		N/A



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

4-Door Sedan

1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

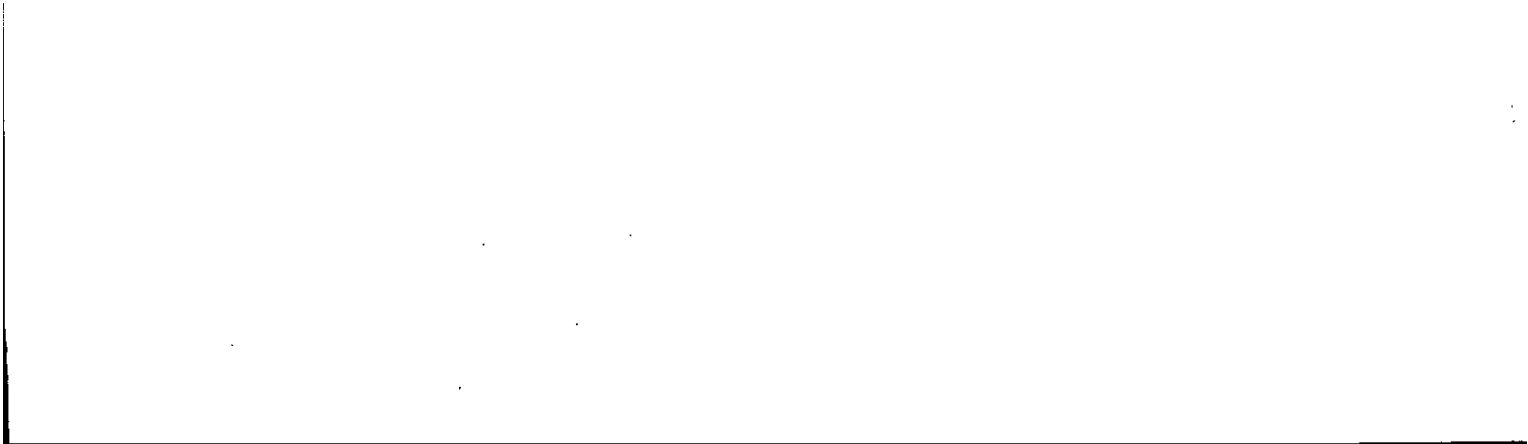
Convenience Equipment (standard, optional, n.a.)

Power equipment	Deck lid (release, pull down)		N/A	
	Door locks (manual, automatic, describe system)		N/A	
	Seats	2 - 4 - 6 way, etc.		N/A
		Reclining (R.H., L.H.)		N/A
		Memory (R.H.,L.H., preset recline)		N/A
		Support (lumbar, hip, thigh, etc.)		N/A
		Heated (R.H., L.H., other)		N/A
	Side windows		N/A	
Vent windows		N/A		
Rear windows		N/A		
Radio systems	Antenna (location, whip, w/shield, power)		Left-Front Pillar, Whip	
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	Antenna Only	
	Optional		AM/FM Stereo AM/FM Stereo with Cassette AM/FM Stereo with Cassette and CD	
	Speaker (number, location)		2, Front Door 2, Rear Parcel Shelf	
Roof: open air or fixed (flip-up, sliding, *T)			N/A	
Speed control device			N/A	
Speed warning device (light, buzzer, etc.)			N/A	
Tachometer (rpm)			Optional	
Telephone system (describe)			N/A	
Theft deterrent system			Steering Lock Type	

Trailer Towing

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

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



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 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.	1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72	4-Door Sedan
Width	mm(in.)		
Tread (front)	W101	1385 (54.5)	
Tread (rear)	W102	1360 (53.5)	
Vehicle width	W103	1590 (62.6)	
Body width at SgRP (front)	W117	1570 (61.8)	
Vehicle width (front doors open)	W120	3223 (126.9)	
Vehicle width (rear doors open)	W121	3234 (127.3)	
Tumble-home (degrees)	W122	24.6	
Outside mirror width	W410	1804 (71.0)	

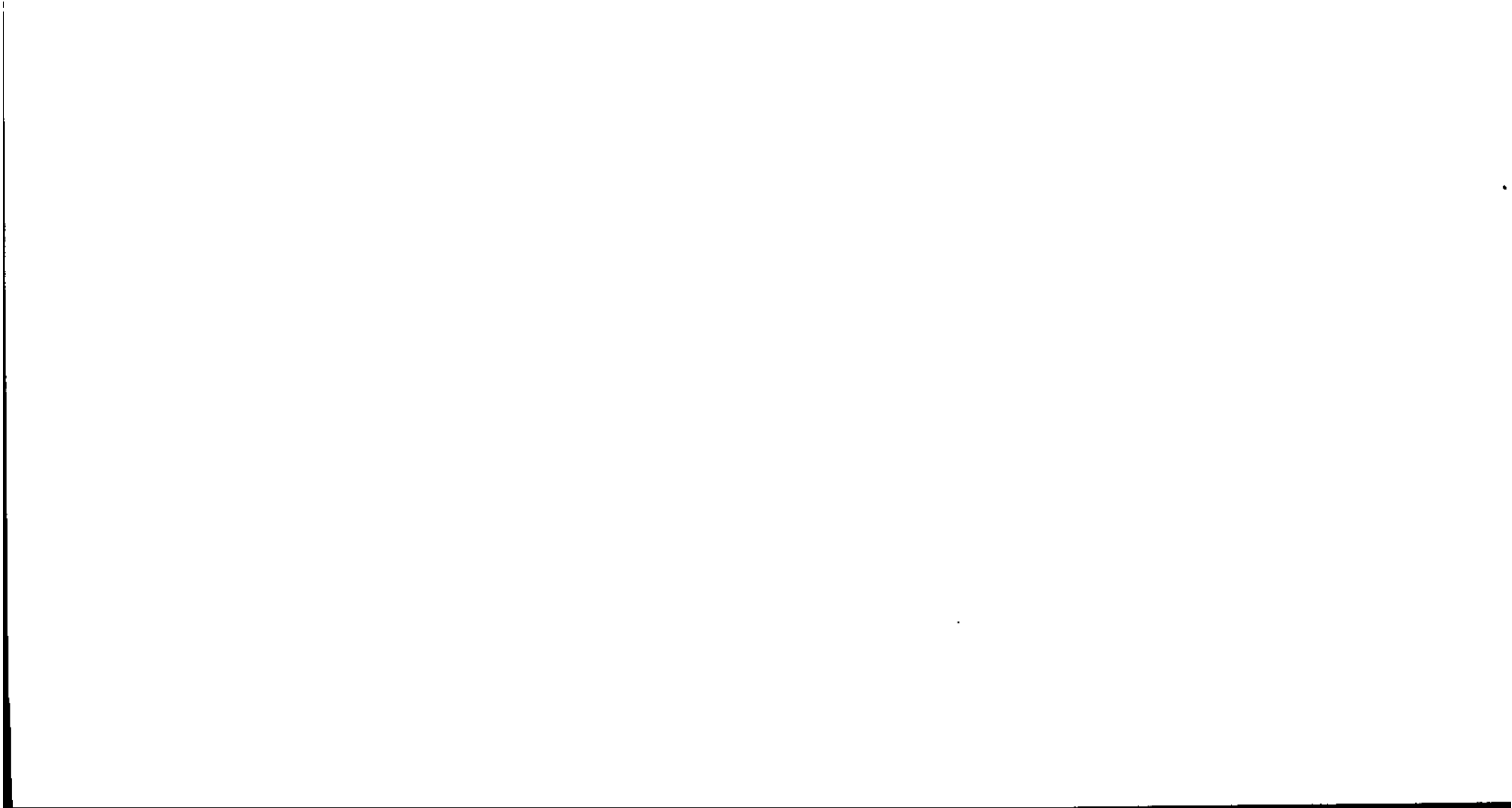
Length	mm(in.)		
Wheelbase	L101	2365 (93.1)	
Vehicle length	L103	4165 (164.0)	
Overhang (front)	L104	823 (32.4)	
Overhang (rear)	L105	975 (38.4)	
Upper structure length	L123	2603 (102.5)	
Rear Wheel C/L "X" coordinate	L127	2910 (114.6)	

Height **	mm(in.)		
Passenger distribution (front/rear)	PD1,2,3	2/2	**
Trunk/cargo load			**
Vehicle height	H101	1407 (55.4)	
Cowl point to ground	H114	907 (35.7)	
Deck point to ground	H138	1042 (41.0)	
Rocker panel-front to ground	H112	219 (8.6)	
Rocker panel-rear to ground	H111	238 (9.4)	
Windshield slope angle (degrees)	H122	63	
Backlight slope angle (degrees)	H121	58	

Ground Clearance **	mm(in.)		
Front bumper to ground	H102	208 (8.2)	
Rear bumper to ground	H104	290 (11.42)	
Bumper to ground front at curb mass (wt.)	H103	226 (8.9)	
Bumper to ground rear at curb mass (wt.)	H105	312 (12.28)	
Angle of approach (degrees)	H106	19.1	
Angle of departure (degrees)	H107	18.6	
Ramp breakover angle (degrees)	H147	19	
Axle differential to ground (front/rear)	H153	180	
Min. running ground clearance	H156	160 (6.3)	
Location of min. running ground clear.		Catalyst Case	

** 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 Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

SAE
Ref.
No.

4 Door Sedan

Front Compartment

SgRP front, "X" coordinate	L31	1850 (72.83)
Effective head room	H61	999 (39.3)
Max. effective leg room (accelerator)	L34	1079 (42.5)
SgRP to heel point	H30	240 (9.45)
SgRP to heel point	L53	892 (34.7)
Back angle (degrees)	L40	25
Hip angle (degrees)	L42	97° 30'
Knee angle (degrees)	L44	129
Foot angle (degrees)	L46	87
Design H-point front travel	L17	210 (8.27)
Normal driving & riding seat track trvl.	L23	210 (8.27)
Shoulder room	W3	1245 (49.0)
Hip room	W5	1205 (47.4)
Upper body opening to ground	H50	1250 (49.2)
Steering wheel maximum diameter*	W9	385
Steering wheel angle (degrees)	H18	23° 46'
Accel. heel pt. to steer. whl. cntr.	L11	465
Accel. heel pt. to steer. whl. cntr.	H17	631
Undepressed floor covering thickness	H67	30 (1.2)

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	735 (28.9)
Effective head room	H63	948 (37.3)
Min. effective leg room	L51	819 (32.2)
SgRP (second to heel)	H31	281 (11.1)
Knee clearance	L48	-23 (-0.9)
Shoulder room	W4	1227 (48.3)
Hip room	W6	1090 (42.9)
Upper body opening to ground	H51	1261 (49.6)
Back angle (degrees)	L41	25
Hip angle (degrees)	L43	80.8
Knee angle (degrees)	L45	76.2
Foot angle (degrees)	L47	117.8
Depressed floor covering thickness	H73	20 (0.78)

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	292 L (10.3 cu. ft.)
Liftover height	H195	712 (28.0)

Interior Volumes (EPA Classification)

Vehicle class	Sub-Compact
Interior volume index including trunk/cargo (cu. ft.)**	2561 L (90.44 cu-ft)
Trunk/cargo index (cu. ft.)	292 L (10.3 cu-ft)

* 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 Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

4 Door Sedan

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

Not Applicable

Cargo length at front seatback height	L208	
Cargo length at floor (front)	L209	
Cargo length at second seatback height	L210	
Cargo length at floor (second)	L211	
Front seatback to load floor height	H197	
Second seatback to load floor height	H198	
Cargo volume index m ³ (ft. ³)	V3	
Hidden cargo volume index m ³ (ft. ³)	V4	
Cargo volume index - rear of 2-seat	V11	

All linear dimensions are in millimeters (inches) unless otherwise noted.

* MPV - Multipurpose Vehicle

** EPA Loaded Vehicle Weight, Loading Conditions



MVMA Specifications

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/
Description

4 Door Sedan

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location	
Front (1)	Front Suspension Strut Upper Center	
Front (2)		
Rear (1)	Burring Hole Center of Rear Floor Side Member at Rear Most Bottom	
Rear (2)		
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front *** ***	W21**	512 mm (20.2 in.)
	L54**	569 mm (22.4 in.)
	H81**	525 mm (20.7 in.)
	H161**	775 mm (30.51 in.)
	H163**	757 mm (29.80 in.)
Rear *** ***	W22**	463 mm (18.2 in.)
	L55**	3625 mm (142.7 in.)
	H82**	159 mm (6.3 in.)
	H162**	448 mm (17.64 in.)
	H164**	426 mm (16.77 in.)

* 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 Geo METRO - SEDAN
 Model Year 1996 Issued Revised (●)

Code	Model	VEHICLE MASS (WEIGHT) Including options over 33%				% 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
4-Door Sedan Base (M/T)		525 (1157)	365 (805)	890 (1962)	864 (1905)	2250				BDC
4-Door Sedan Base (A/T)		540 (1190)	370 (816)	910 (2006)	884 (1949)	2375				BRC
4-Door Sedan LSI (M/T)		535 (1179)	370 (816)	905 (1995)	879 (1938)	2250				BDD
4-Door Sedan LSI (A/T)		550 (1213)	375 (827)	925 (2039)	899 (1982)	2375				BRD
Curb Weight includes following weight'(s)										
Air conditioner— Yes										
Power steering— No										
Antilock Brake System— No										
Gasoline tank capacity 40 Liters 30 (kg)										

* 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:
34.5 Liters (26 kg)



MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line Geo METRO - SEDAN
 Model Year 1996 Issued _____ Revised (●) _____

Code	Equipment	Optional Equipment Differential Mass (weight)*			Remarks Restrictions, Requirements
		MASS, kg. (lb.)			
		Front	Rear	Total	
B37	Floor Piece Mat	2.0 (4.4)	2.0 (4.4)	4.0 (8.8)	
C25	Rear Window Washer & Wiper	0 (0)	1.3 (2.9)	1.3 (2.9)	
C49	Air Conditioning	20.3 (44.8)	-2.0 (-4.4)	18.3 (40.3)	
D35	OSRV Mirror (RH)	0.6 (1.3)	0.5 (1.1)	1.1 (2.4)	
MX1	Automatic Transmission	26.0 (57.3)	-3.0 (-6.6)	23.0 (50.7)	
PB2	Full Wheel Cover	0.77 (1.69)	0.77 (1.69)	1.54 (3.39)	
UM6	AM/FM Stereo w/Cassette Deck	2.0 (4.4)	0.7 (1.5)	2.7 (6.0)	
UM7	Radio - AM/FM Stereo	2.0 (4.4)	0.7 (1.5)	2.7 (6.0)	
U66	Radio Speakers - Dual Rear	0.9 (2.0)	0.9 (2.0)	1.8 (4.0)	
VH4	Front and Rear Mud Guard	0.5 (1.1)	0.7 (1.5)	1.2 (2.6)	

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



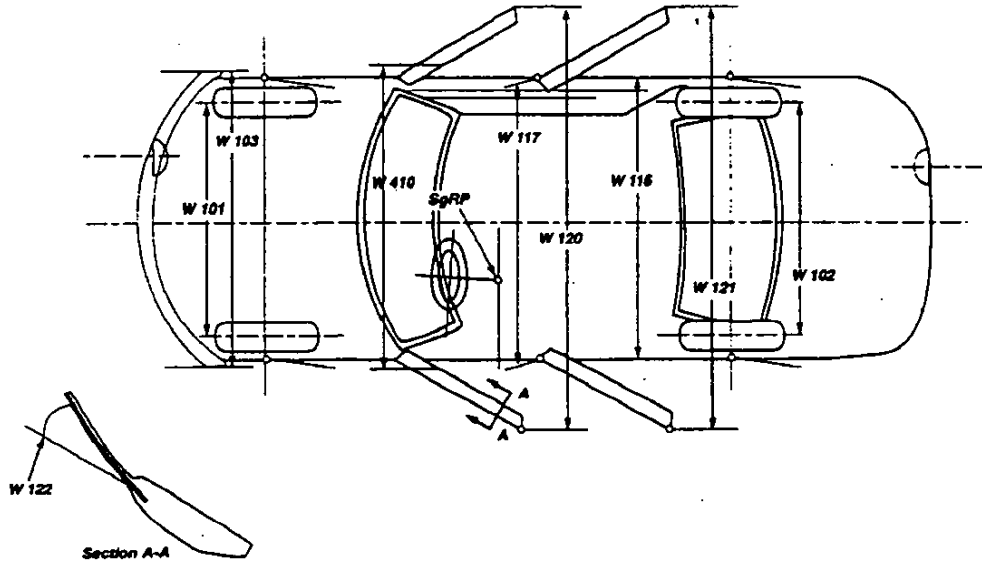
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



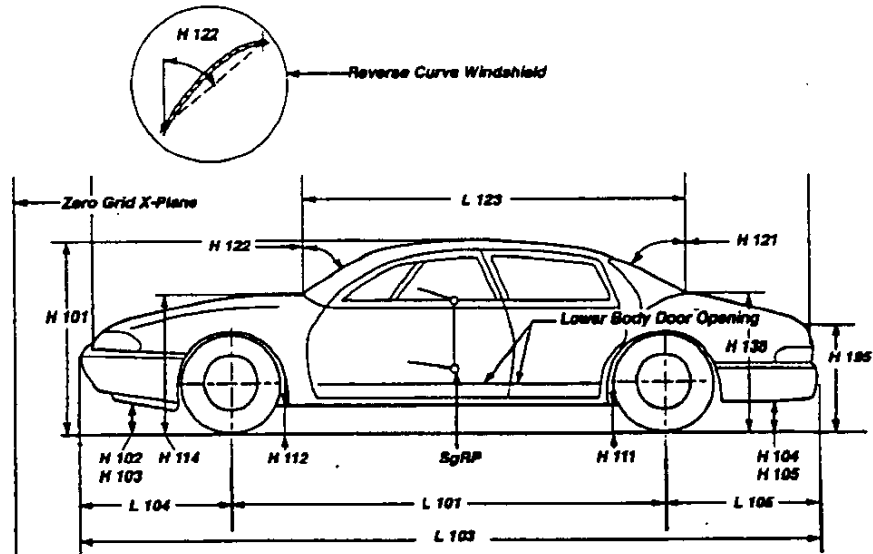
AAMA Specifications
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions - Key Sheet

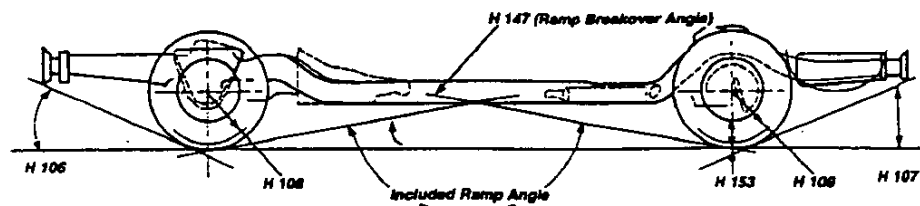
Exterior Width Dimensions



Exterior Length & Height Dimensions



Ground Clearance Dimensions

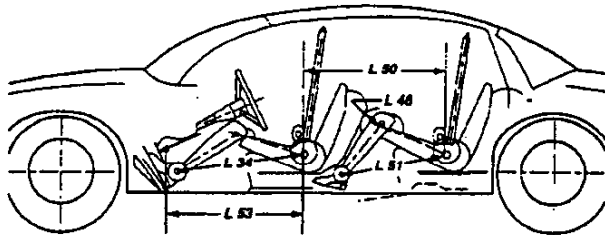




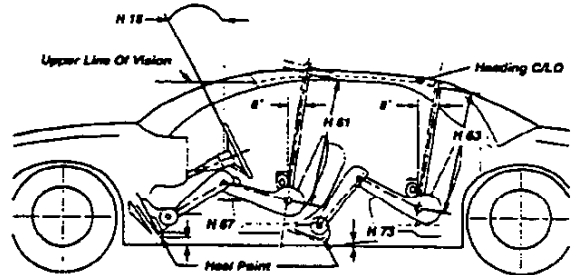
**AAMA Specifications
METRIC (U.S. Customary)**

Interior Vehicle And Body Dimensions - Key Sheet

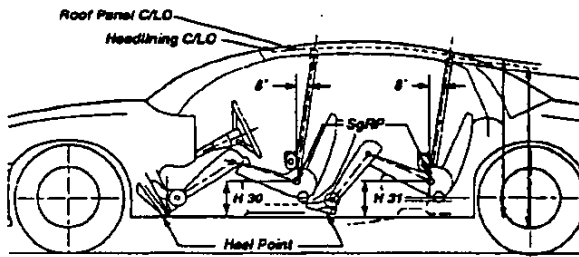
Interior Length Dimensions



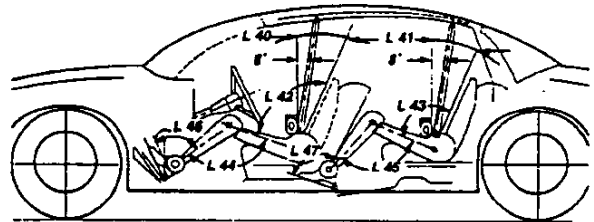
Interior Height Dimensions



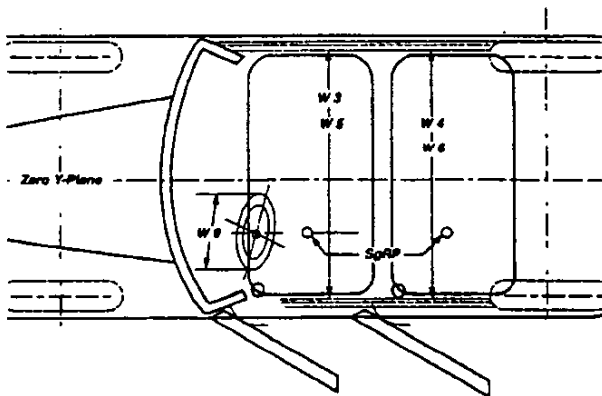
Interior Height Dimensions



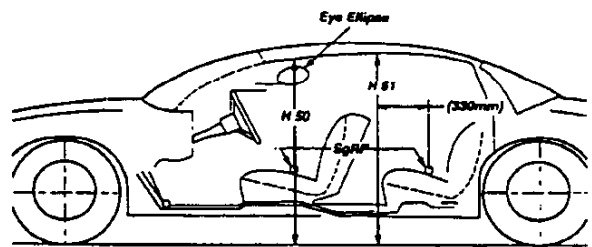
Interior Length Dimensions



Interior Width Dimensions



Interior Height Dimensions

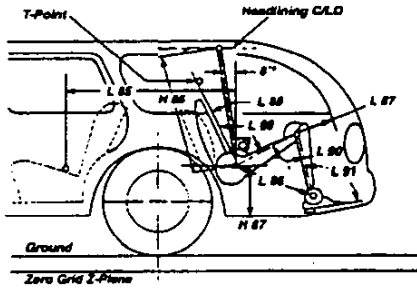




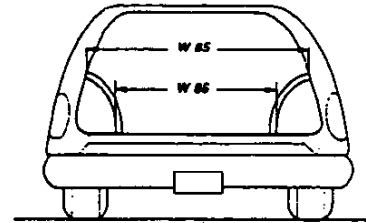
**AAMA Specifications
METRIC (U.S. Customary)**

Interior Vehicle And Body Dimensions - Key Sheet

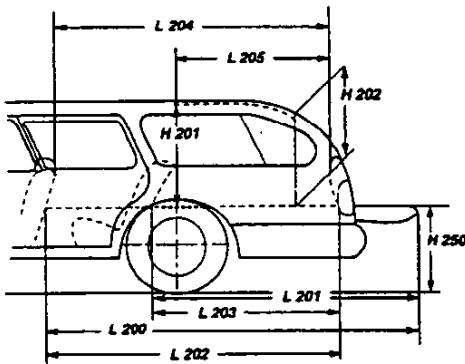
Interior Dimensions, Station Wagon Third Seat



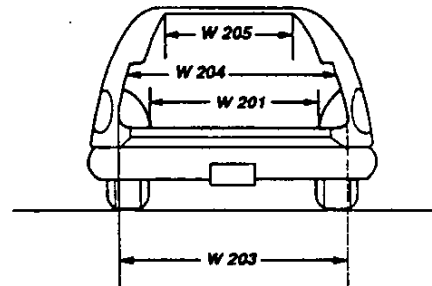
Interior Dimensions



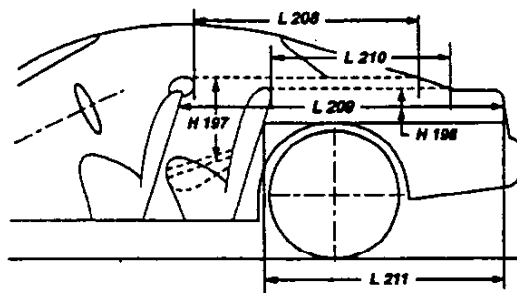
Cargo Space Dimensions



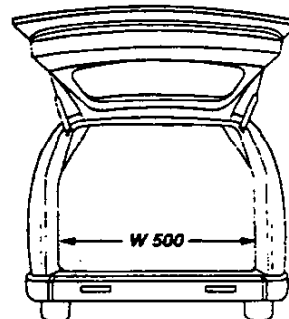
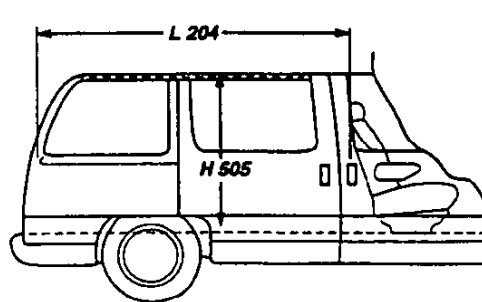
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space





AAMA Specifications

METRIC (U. S. Customary)

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 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 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 foremost 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 upper 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 from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATIC LOAD-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-CURB MASS(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 angle 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.



AAMA Specifications

METRIC (U. S. Customary)

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 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.
- 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.



2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
82
84
86
88
90
92
94
96
98
100



AAMA Specifications

METRIC (U. S. Customary)

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 wheelhouses 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.



2
3
4
5



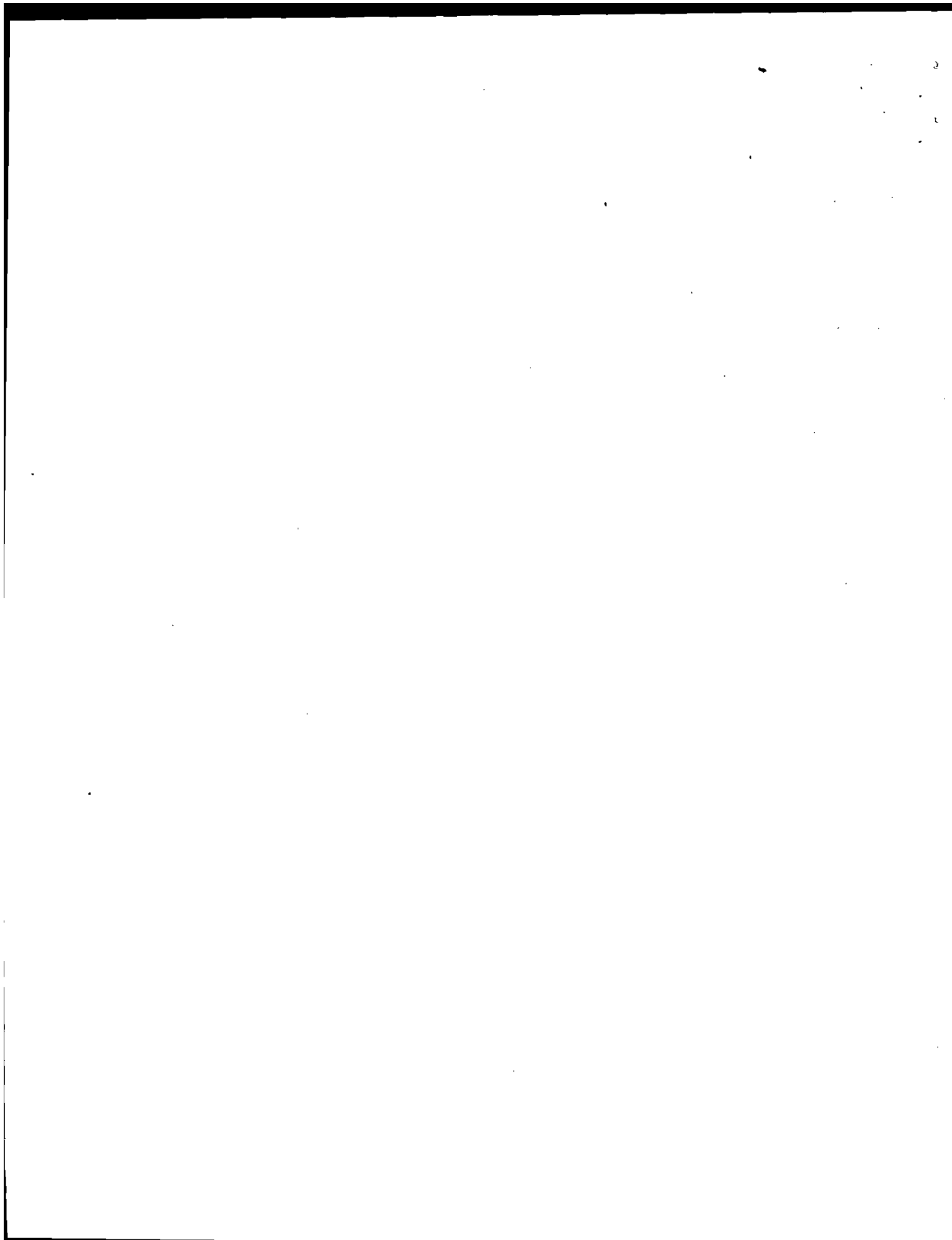
AAMA Specifications
METRIC (U. S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet
Dimensions Definitions

<p>V2 STATION WAGON Measured in inches:</p> $\frac{W4 \times H201 \times L204}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>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.</p> <p>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.</p> <p>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.</p>
<p>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.</p> <p>V5 TRUCKS AND MPV'S WITH OPEN AREA. Measured in inches:</p> $\frac{L506 \times W505 \times H503}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L506 \times W505 \times H503}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>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.</p> <p>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.</p> <p>H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undepressed floor covering.</p>
<p>V6 TRUCKS AND MPV'S WITH CLOSED AREA. Measured in inches:</p> $\frac{L204 \times W500 \times H505}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>V3 HATCHBACK. Measured in inches:</p> $\frac{\frac{L208+L209}{2} \times W4 \times H197}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{\frac{L208+L209}{2} \times W4 \times H197}{10^9} = \text{m}^3(\text{cubicmeter})$
<p>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.</p> <p>V10 STATION WAGON CARGO VOLUME INDEX. Measured in inches:</p> $\frac{H201 \times L205 \times \frac{W4+W201}{2}}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{H201 \times L205 \times \frac{W4+W201}{2}}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>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.</p> <p>V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor: Measured in inches:</p> $\frac{\frac{L210+L211}{2} \times W4 \times H198}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{\frac{L210+L211}{2} \times W4 \times H198}{10^9} = \text{m}^3(\text{cubicmeter})$

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).



AAMA Specifications

METRIC (U. S. Customary)

Index

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

