MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1995

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
		SEPTEMBER, 1994	

Direct questions concerning these specifications to the manufacturer listed above.

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AAMA

American Automobile Manufacturers Association

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FORM AAMA-95

MVMA Specifications

Vehicle Line: Geo METRO - SEDAN
Model Year: 1995 Issued: 9/94 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 (Mfgr'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)	8/1/94	1MR69	2 / 2	40 (88)	

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

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Power Teams

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

			A	B	C	D
ENGINE	Engine Code		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) @ 3500	100 (74) @ 3500		
	Exhaust single, dual		Single	Single		
TRANS	Transmission/ Transaxle		Manual 5 Speed	Automatic 3 Speed		
	Effective Final Drive / Axle 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	

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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 (14.6 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 (160.6 lbs) AT: 67.9 kg (149.3 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.

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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

Engine - Diesel Information — Not Applicable

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

Engine - Intake System — Not Applicable

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

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Engine Description / Engine Code: 1.3 LITER (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: 3.9 AT: 4.9
	With air conditioner - L (qt.)	MT: 3.9 AT: 4.9
	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 AT: 27 mm
	Fins per inch	10
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

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Engine Description
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1.3 LITER (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 propane 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.a.	N/A
	Capacity L (gallons)	N/A
	Location & material	N/A
	Attachment	N/A
Auxiliary tank	Opt., n.a.	N/A
	Capacity L (gallons)	N/A
	Location & material	N/A
	Attachment	N/A
	Selector switch or valve	N/A
	Separate fill	N/A

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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 Recirculation	Type (controlled flow, open orifice, other)		Backpressure Controlled
		Exhaust source		Intake Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)		Manifold
	Catalytic Converter	Type		Three Way Cat.
		Number of		1
		Locations(s)		Under Floor
		Volume L (in³)		1.02L (62)
		Substrate type		Monolith
		Noble metal type		Platinum & Rhodium
		Noble metal concentration (g/cm³)		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)		Yes

Engine - Exhaust System

	Type (single, single with cross-over, dual, other)		Single
Ø	Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)		Muffler 1, - Reverse Flow
Ø	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

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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	3.416
	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, 7.7 (16.9)
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	103 (23.2)
	Released	70 (15.7)
Assist (spring, power/percent, nominal)		Nominal
Type pressure plate springs		Diaphragm Spring
Total spring load (nominal) N (lbs.)		3190 N (717.1 lbs.)
Clutch facing	Facing mfgr. & 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)
	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.

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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	3.61
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.

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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
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: 18	AT: 51, 19
		Ring gear	MT: 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.)	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	22 x 669.5 x 3.8 mm (0.87 x 23.54 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
	Bearing: 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.

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Model Code/Description And/Or Engine Code/Description

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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: M/T: Right 298 x 121, Left 302.5 x 121 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

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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)			No
	Hyd. power source (elec., vac., mtr., pwr., strg.)			Electronic
Effective area cm² (in.²)*				140/230 (21.7/35.7)
Gross Lining area cm² (in.²)** (F/R)				140/230 (21.7/35.7)
Swept area cm² (in.²)*** (F/R)				902/376 (139.8/58.3)
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	-- / 200 x 30 (--/7.87 x 1.18 in.)
	Type and material		F/R	-- / Cast Iron
Wheel cylinder bore				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		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 Spring
		Lining code *****		NBK D9007FF
		Material		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.

MVMA Specifications

Vehicle Line: Geo METRO - SEDAN
Model Year: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description: 1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

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
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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description: 1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

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	N/A
			Overall	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	N/A
			Overall	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 axis	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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

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

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 + Intermittent
	Type (optional)		IN/A
	Blade length		Dr.: 500 mm As: 475 mm
	Swept area cm² (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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Engine Code/Description

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

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, part)	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		NGK	ND
	Model		BPR6ES-11	W20EPR-U11
	Thread (mm)		M14 x 1.25	
	Tightening torque N-m (lb. ft.)		20-30 (15-22)	
	Gap		1.1 mm (0.04 in.)	
	Number per cylinder		1	
Distributor	Manufacturer		Nippon Denso	
	Model		229100-7202	

Electrical - Suppression

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

MVMA Specifications

Vehicle Line: Geo METRO - SEDAN
Model Year: 1995 Issued: 9/94 Revised (*):

METRIC (U.S. Customary)

Model Code/Description	1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

Body

Structure	Unitized Frame
Bumper system front - rear	Front & Rear Bumper System is Composed of Energy Absorption Formed Polypropiyene. Steel Member and Polypropiylene Cover.
Anti-corrosion treatment	1. Use of Surface Treated Steel Plates in Major Body Compoents 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
	Hinge location (front, rear)		Rear
	Type (counterbalance, prop)		Prop
	Release control (internal, external)		Internal & External
Trunk lid	Material & mass		Steel
	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, Urethan Mold
		Rear	Bench Type, Steel Wire Frame, Urethan Mold
		3rd seat	N/A
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket Type, Steel Pipe Frame, Urethan Mold
		Rear	Base: Bench Type Up Grade: 50/50 Type, Steel Pipe Frame, Urethan 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: 1995 Issued: 9/94 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 Shouder 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 cm² (in.²)	S1	8759 cm^2 (1358 in^2)
Side glass exposed surface area cm² (in.²) - total 2 sides	S2	11248 cm^2 (1743 in^2)
Backlight glass exposed surface area cm² (in.²)	S3	5289 cm^2 (820 in^2)
Total glass exposed surface area cm² (in.²)	S4	25296 cm^2 (3921 in^2)
Windshield glass (type/thickness)		Laminated Glass 4.76 (0.19)
Side glass (type/thickness)		Tempered Glass 3.5 (0.14)
Backlight glass (type/thickness)		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.)	Halogen, Sealed Beam
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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Engine Code/Description: 1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

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	Swash
	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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Model Code/Description: 1.3 LITER L4 (79 CID) ELECTRONIC FUEL INJECTION RPO L72

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	Auto head on/off delay, dimming	N/A
	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: None or 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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)

Model Code/Description: 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: 1995 Issued: 9/94 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
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	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		
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 **		
Passenger distribution (front/rear)	PD1 ,2,3	2/2 ••
Trunk/cargo load		••
Vehicle height	H101	1407 (55.4)
Cowl point to ground	H114	907
Deck point to ground	H138	1042
Rocker panel-front to ground	H112	219 (8.62)
Rocker panel-rear to ground	H111	238
Windshield slope angle (degrees)	H122	63
Backlight slope angle (degrees)	H121	58
Ground Clearance **		
Front bumper to ground	H102	208 (8.19)
Rear bumper to ground	H104	290 (11.42)
Bumper to ground front at curb mass (wt.)	H103	226 (8.90)
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: 1995 Issued: 9/94 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	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	1245 (49.0)
Hip room	W5	1190 (46.9)
*** Upper body opening to ground	H50	1250 (49.21)
Steering wheel maximum diameter*	W9	385
Steering wheel angle (degrees)	H16	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 (1.18)

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
Effective head room	H63	948 (37.3)
Min. effective leg room	L51	819 (32.2)
SgRP (second to heel)	H31	281
Knee clearance	L48	-23
Shoulder room	W4	1227 (48.3)
Hip room	W6	1090 (42.9)
*** Upper body opening to ground	H51	1261
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.)**	2506 L (92 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: 1995 Issued: 9/94 Revised (•):

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	4 Door Sedan
Station Wagon/MPV* -Third Seat		**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: 1995 Issued: 9/94 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 Surface
Rear (2)		
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	512 mm (20.16 in.)
	L54**	569 mm (22.40 in.)
	H81**	525 mm (20.67 in.)
***	H161**	775 mm (30.51 in.)
***	H163**	757 mm (29.80 in.)
Rear	W22**	463 mm (18.23 in.)
	L55**	3625 mm (142.72 in.)
	H82**	159 mm (6.26 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: 1995 Issued: 9/94 Revised (•)

Code	Model	VEHICLE MASS (WEIGHT)					% PASS MASS DISTRIBUTION			
		CURB MASS, kg. (lb.)*			Shipping Mass kg (lb)***	ETWC** Code	Pass in Front		Pass in Rear	
		Front	Rear	Total			Front	Rear	Front	Rear
	Geo METRO Sedan Base (M/T)	520	360	880	854	K				
		(1146)	(794)	(1940)	(1883)					
	Geo METRO Sedan Base (A/T)	530	320	850	864	L				
		(1168)	(794)	(1962)	(1905)					
	Geo METRO Sedan LSI (M/T)	530	365	895	869	K				
		(1168)	(805)	(1973)	(1916)					
	Geo METRO Sedan LSI (A/T)	540	365	905	879	L				
		(1190)	(805)	(1995)	(1938)					

* 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)

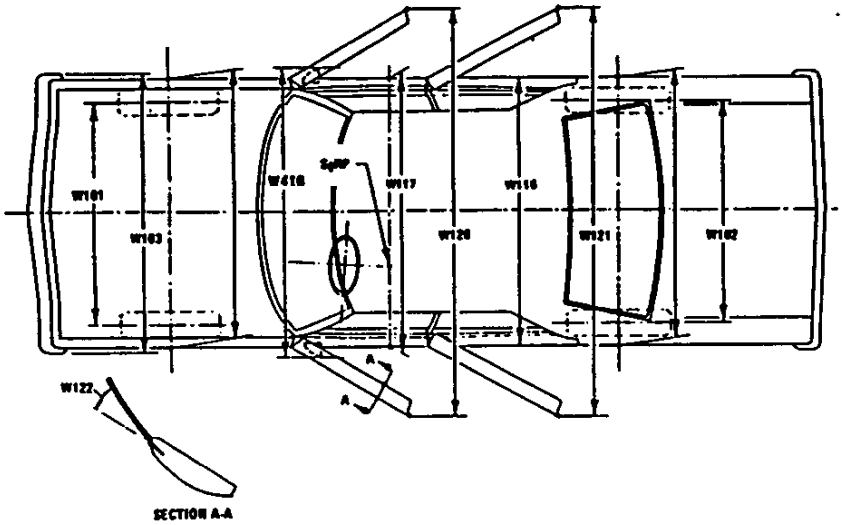
Vehicle Line: Geo METRO - SEDAN
Model Year: 1995 Issued: 9/94 Revised (•):

Code	Equipment	Optional Equipment Differential Mass (weight)* MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
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)	

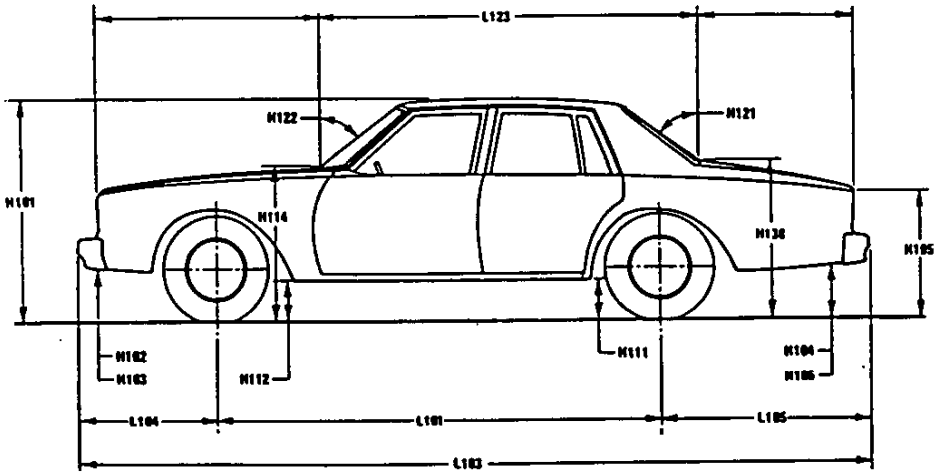
* Also see Engine - General Section for dressed engine mass (weight.)

Exterior Vehicle And Body Dimensions – Key Sheet

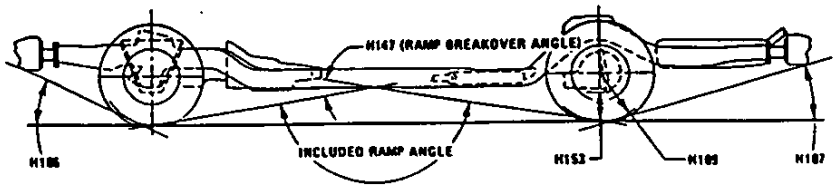
Exterior Width



Exterior Length & Height



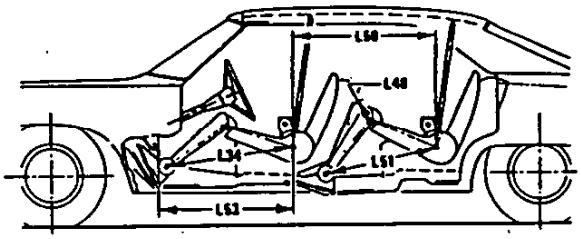
Exterior Ground Clearance

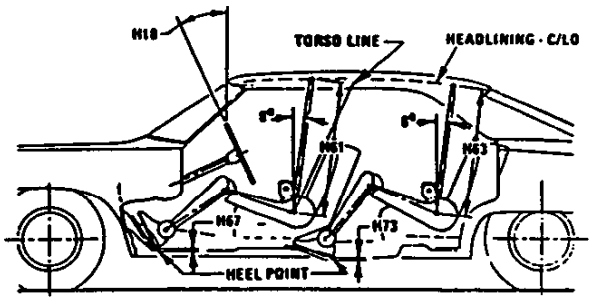


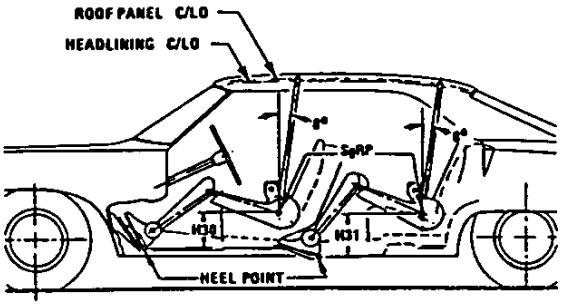
MVMA Specifications Form

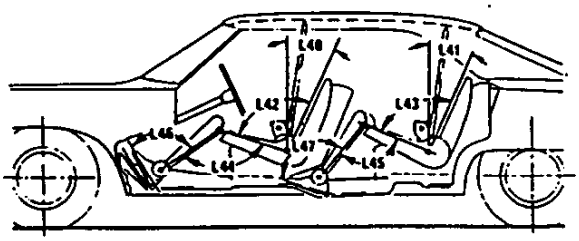
METRIC (U.S. Customary)

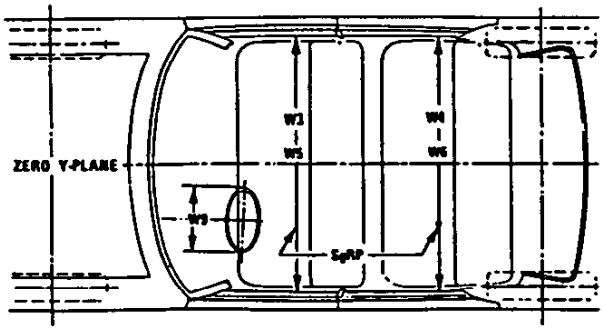
Interior Vehicle And Body Dimensions – Key Sheet

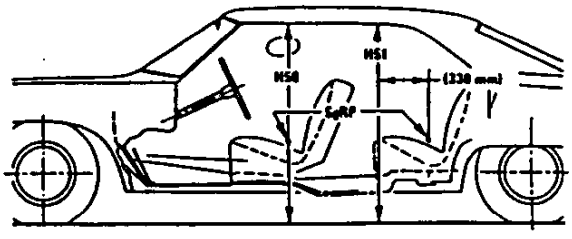






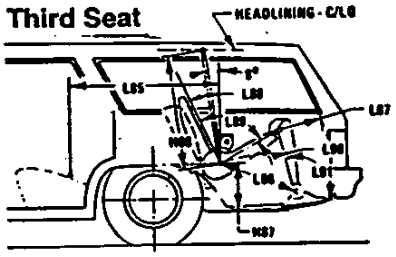


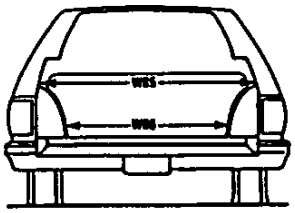




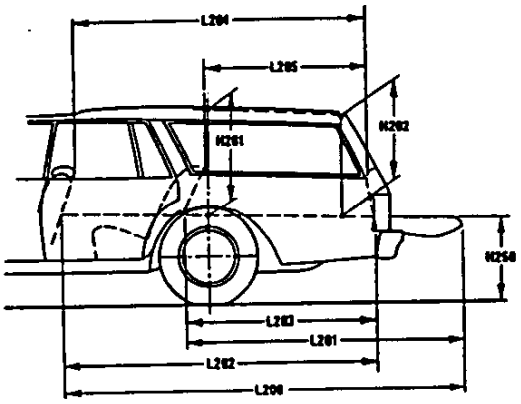
Interior Vehicle And Body Dimensions – Key Sheet

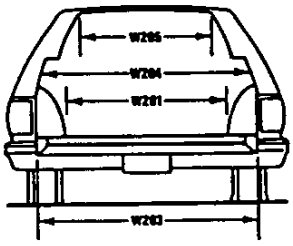
Third Seat



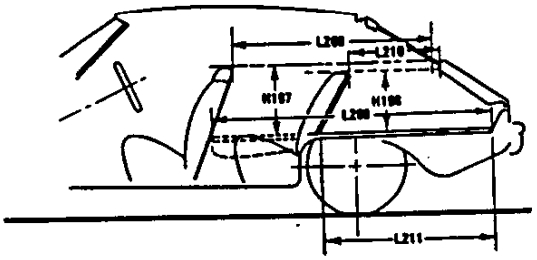


Cargo Space

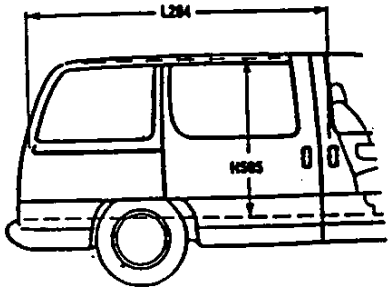


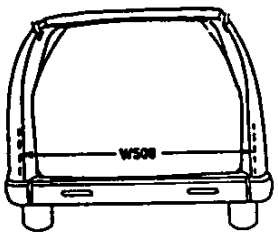


Station Wagon



Hatchback





Multipurpose Vehicle

MVMA 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 front doors in maximum hold-open position.

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

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

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 centerlines. 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 OVERHAND – FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks 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.

MVMA 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.
W82 "Z" coordinate.
H162 Height "Z" coordinate to ground at curb weight.
H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L11 ACCELERATOR HEEL 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.

L-40 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.

L-42 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 (4.0in.).

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

L-41 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.

MVMA 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 Volume 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 (2.0 in.). 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 to the rearmost point on 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 talldoor 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 talldoor 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 at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

W201 CARGO WIDTH – WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure 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.

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

V2 STATION WAGON

Measured in inches:

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

Measured in mm:

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

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

V5 TRUCKS AND MPV'S WITH OPEN AREA.

Measured in inches:

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

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = m^3 \text{ (cubic meter)}$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.

Measured in inches:

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

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = m^3 \text{ (cubic meter)}$$

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

V10 STATION WAGON CARGO VOLUME INDEX.

Measured in inches:

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

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = m^3 \text{ (cubic meter)}$$

Hatchback – Cargo Space Dimensions

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

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

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

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

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

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

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

V3 HATCHBACK.

Measured in inches:

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

Measured in mm:

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

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

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

Measured in inches:

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

Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = m^3 \text{ (cubic meter)}$$

MVMA Specifications

METRIC (U.S. Customary)

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