MOTOR VEHICLE MANUFACTURERS SPECIFICATIONS

METRIC (U.S. Customary)

1997

Manufacturer	Vehicle Line	
SUZUKI MOTOR CORPORATION	Geo METRO (sedan)	
Mailing Address	Issued	Revised
GENERAL MOTORS CORPORATION CHEVROLET CENTRAL OFFICE 30007 VAN DYKE WARREN, MI 48090-9065	April 27, 1996	-

Direct questions concerning these specifications to the manufacturer listed above.

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American Automobile Manufacturers Association

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FORM AAMA-97

MVMA Specifications **METRIC (U.S. Customary)**	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•)

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)
Metro 1.3L 4 Door Sedan (FWD)	Late in July,1996	1MR69	2/2	40 kg_(88 lbs)
Firefly 1.3L 4 Door Sedan (FWD)	Late in July,1996	7MR69	2/2	40 kg_(88 lbs)

EPA Fuel Economy Esdtimate (City/Hwy)	M/T:39/43__A/T:30/34

Gross Vehicle Weight Rating kg (lbs)			Gross Axle Weight Rating kg (lbs)		Gross Axle Weight Rating kg (lbs)	
1.3L	1,250	(2,756) ()	650	1,433	620	1,367

* 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.)		TBI	TBI		
	Compression ratio		9.5:1	9.5:1		
	SAE Net at RPM	Power kW (bhp)	52(70)@5,500	52(70)@5,500		
		Torque N • m (lb. ft.)	100(74)@3,000	100(74)@3,000		
	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	
FIREFLY 4-door Sedan (M/T)	7MR69	A	
FIREFLY 4-door Sedan (A/T)	7MR69	B	

MVMA Specifications METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
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Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		L72
Engine - General		
Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, FrontTransverseSOHC Multi Spherical
Manufacturer		SUZUKI MOTOR CORPORATION
No. of cylinders		4
Bore		74 mm (2.91in)
Stroke		75.5 mm (2.97 in)
Piston Displacement		1298 cc
Bore Spacing (C / L to C / L)		84 mm (3.31 in.)
Cylinder block material & mass kg. (lbs.) (machined)		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.)		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 (0.05)
Minimum combustion chamber total volume cm^3 ($inches^3$)		38.2 cm3
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.)**		2.2 (4.9)
Exhaust manifold material & mass kg. (lbs)**		Fed.;;3.7 (8.2), Cal;4.3 (9.5)
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.)	MT:Elastomeric Rubber AT:Elastomeric Rubber and 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		226 g (7.97oz)
Engine - Camshaft		
Location		Cylinder Head
Material & mass kg (weight, lbs.)		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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Engine Description			1.3 L L4 (79 CID) EFI
Engine Code			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 (4.72in)
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			18mm (0.71in) x 5
Seal (material, one, two	Front		Rubber, 1 piece
piece design, etc.)	Rear		Rubber, 1 piece
Engine - Lubrication System			
Normal oil pressure kPa (psi) at engine rpm			392 (56.8) @4,000
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)
Lubri-cant	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			
Diesel engine manufacturer			N.A.
Glow plug, current drain at 0°F.			N.A.
Injector	Type		N.A.
nozzle	Opening pressure kPa (psi)		N.A.
Pre-chamber design			N.A.
Fuel Injection	Manufacturer		N.A.
pump	Type		N.A.
Fuel injection pump drive (belt, chain, gear)			N.A.
Supplementary vacuum source (type)			N.A.
Fuel heater (yes/no)			N.A.
Water separator, description (std., opt.)			N.A.
Turbo manufacturer			N.A.
Oil cooler-type (oil to engine coolant; oil to ambient air)			N.A.
Oil filter			N.A.
Engine - Intake System			
Turbo charger - manufacturer			N.A.
Super charger - manufacturer			N.A.
Intercooler			N.A.

* Finished State

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Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		L72
Engine - Cooling System		
Coolant recovery system (std., opt., n.a.)		Std.
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
	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.)		Ext.
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	Std.
	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.)
	Fins per inch	10
Radiator end tank material		Plastics
Fan	Std., elec., opt.	Std, elec
	Number of blades & type (flex, solid, material)	5, Solid, Plastics
	Number & location (front, rear of radiator)	1, Rear
	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.)	controlled by ECU 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		1.3 L L4 (79 CID) EFI
Engine Code		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 manufacturer
Fuel injection	Point of injection (no.)	Throttle body (1)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	177 (25.7)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	850
	Automatic	850
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 and 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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Engine Description			1.3 L L4 (79 CID) EFI
Engine Code			L72
Vehicle Emission Control			
Exhaust Emission Control	Type (air injection, engine modifications, other)		Fed:TBI/TWC/HO2S/EGR Cal : TBI/WU-TWC/TWC/HO2S
	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 Recircula - tion	Type (controlled flow, open orifice, other)	Backpressure controlled
		Exhaust source	Exhaust Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converte r	Type	Three way cat. Federal: JV4 California: JV7
		Number of	Fed:1 Cal:2
		Locations(s)	*Fed: Under floor Cal: Manifold & Under floor*
		Volume L (in³)	Fed: 1.0 L(62in3) Cal:1st-0.80L(49in3),2nd-1.0L(62in3)
		Substrate type	monolith62 cells / cm2
		Noble metal type	JV4: Platinum &Rhodium JV7: Platinum &Palladium & Rhodium,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
	Canister	Medium	Activated Carbon
		Absorption working Capacity	89
		Volume	1.85
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No
California OBD-II System (yes/no)			Yes
Evap-II System for Fed. spec. vehicle (yes/no)			yes
Evap-II System for Cal. spec. vehicle (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 , 6
Ø Resonator no., type, & volume (liters)			1, straight thru. 1.5
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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Engine Description			1.3 L L4 (79 CID) EFI
Engine Code			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			
Number of forward speeds			5
Gear ratios	1st		3.583
	2nd		1.894
	3rd		1.28
	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-cast28.2 (62.2)
Lubricant	Capacity L (pt.)		2.4 (5.1)
	Type recommended		Gear oil GL-4
Clutch (Manual Transmission)			
Clutch manufacturer			DAIKIN CLUTCH CORPORATION, DAIKIN MFG.CO.,,LTD.
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 mfgr. & material coding		ASK TECHNICA CORPORATION, JD-8
	Facing material & construction		Non-asbestos, Semimold
	Rivets per facing		16
	Outside x inside dia. (nominal)		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 (0.14in / 0.14in)
	Rivet depth (pressure plate side/fly wheel side)		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.

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Engine Description			1.3 L L4 (79 CID) EFI
Engine Code			L72
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		2.81
	2nd		1.549
	3rd		1
	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 : 61(37.9), 2–3 : 112(69.6)
Max. upshift engine speed RPM			1-2:5880, 2-3:5960
Max. kickdown speed - drive range km/h (mph)			2–1 : 55(34.2) , 3–2 : 105(65.3)
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)			Std, Integral with radiator
Transmission mass kg (lbs.) & case material**			Aluminum die-cast, 51 (112)
All Wheel / 4 Wheel Drive			Not Available
Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)			N.A.
Transfer case	Manufacturer and model		N.A.
	Type and location		N.A.
Lubricant	Capacity	Liter (Pt)	N.A.
	Faactory Fill	Viscosity (SAE No.)	N.A.
		Service Designation	N.A.
	Usesr Recommended	Viscosity (SAE No.)	N.A.
		Service Designation	N.A.
Low-range gear ratio			N.A.
System disconnect (describe)			N.A.
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)		N.A.
	Torque split (% front/rear)		xxx4WDCenterDifferentialTorqueSplitRatioxxx

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

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

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Engine Description / Code			1.3 L L4 (79 CID) EFI L72
Transmission			5 Speed Manual and 3 Speed Automatic
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 , 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.)	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 diameter 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	31.8x 669.5x3.8 mm (1.25 x 26.34 x 0.15 in.)
	Optional transaxle	Left	N.A.
		Right	N.A.
Slip yoke	Type		N.A.
	Number of teeth		N.A.
	Spline o.d.		N.A.
Universal joints	Make and mfg. no.	Inner	NTN DRIVESHAFT, INC.
		Outer	NTN DRIVESHAFT, INC.
	Number used		4
	Type, size, plunge	Inner	MT: DOJ 75, AT:TJ75,
		Outer	Rzeppa, BJ75
	Attach (u-bolt, clamp, etc.)		Serration
	Bearing	Type (plain, antifriction)	Anti-friction
		Lubrication (fitting, prepack)	Prepack
Drive taken through (torque tube, arms or springs)			McPherson strut and Lower control arm
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			4 door sedan	
Engine Code/Description			L72	1.3 L L4 (79 CID) EFI
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		McPherson	McPherson, Double acting hydraulic
	Make		SUNBURY	SUNBURY
	Piston diameter		25	25
	Rod diameter		18	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	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Coil : M/T : right 302.5 x 121, 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)	
	If Leaf, No. of leaves		N.A.	
	If Leaf, Shackle (comp. or tens.)		N.A.	
Stabilizer	Type (link, linkless, frameless)		Link	
	Material & O.D. bar/tube, wall thickness		Steel bar, ϕ 24 mm	
Track bar (type)			N.A.	
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	

MVMA Specifications METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•) -

Model Code/Description and/or				4 door sedan
Engine Code/Description				L72 1.3 L L4 (79 CID) EFI
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)			FINDLEX, drum
Valving type (proportion, delay, metering, other)				Proportion
Power brake (std., opt., n.a.)				Std.
Booster type (remote, integral, vac., hyd., etc.)				Vac.
Vacuum	Source (inline, pump, etc.)			Inline(intake manifold)
	Reservoir (volume in.³)			N.A.
	Pump-type(elec., gear or belt driven)			N.A.
Traction assist	Operational speed range			N.A.
	Type (engine or brake intervention)			N.A.
Antilock device	Front/rear (std., opt., n.a.)			4 wheel
	Manufacturer			DELPHI CHASSIS
	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 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 pressure at 445 N (100 lb.) pedal load [kPa (psi)]				9.6Å~103
Lining clearance			F/R	Self adjusting/Self adjusting
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded
		Rivet Size		N.A.
		Manufacturer		FERODO AUTOMOTIVE PRODUCTS
		Lining code *****		FA 005 FF
		Material		Non-asbestos, Resin mold including metal
		**** Primary or out-board		105 X 37.5 X 10 (4.13x1.48x0.39)
		Size Secondary or in-board		105 X 37.5 X 10 (4.13x1.48x0.39)
		Shoe thickness (no lining)		5 mm (0.20 in.)
	Rear wheel	Bonded or riveted (rvts/seg.)		Bonded
		Manufacturer		FERODO AUTOMOTIVE PRODUCTS
		Lining code *****		FA 905 EE
		Material		Non-asbestos, Resin mold
		**** Primary or out-board		191.9x30x4.2(7.56x1.18x0.18)
		Size Secondary or in-board		191.9x30x4.2(7.56x1.18x0.18)
		Shoe thickness (no lining)		2.0 (0.079)

* 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 **METRIC (U.S. Customary)**	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (●) -

Model Code/Description and/or	4 door sedan
Engine Code/Description	L72 1.3 L L4 (79 CID) EFI

Tires And Wheels (Standard)

Tires	Size (service description)		P155/80R13
	Manufacturer		GOODYEAR
	Type (bias, radial, steel, nylon, etc.)		Radial Four season tread design
	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 1/2J
	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)

Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	N.A.

Brakes - Parking

Type of control		Lever-hand operated
Location of control		Between front seats
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 METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•) -

Model Code/Description and/or				4 door sedan
Engine Code/Description				L72 1.3 L L4 (79 CID) EFI
Steering				
Manual (std., opt., n.a.)				Std.
Power (std., opt., n.a.)				Opt.
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 mm
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
	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 METRIC (U.S. Customary)	Vehicle Line	Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•)	-

Model Code/Description and/or			4 door sedan	
Engine Code/Description			L72	1.3 L L4 (79 CID) EFI
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. in spection	Caster (deg.)	3° +/- 2°	
		Camber (deg.)	0.35° +/- 1°	
		Toe-in mm (in.)	2 +/- 2mm	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0°	
		Toe-in outside track mm (in.)	3 mm	
	Service reset*	Camber (deg.)	Not adjustable	
		Toe-in mm (in.)	Adjustable	
	Periodic M.V. inspection	Camber (deg.)	0+/-1°	
		Toe-in mm (in.)	1-5 mm	
* Indicates pre-set, adjustable, trend set or other.				
Electrical - Instruments and Equipment				
Speed-ometer	Type (analog, digital, std., opt.)		Analog	
	Trip odometer (std., opt., n.a.)		Std.	
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		Left: 500 mm Right: 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 METRIC (U.S. Customary)	Vehicle Line	Geo METRO (sedan)			
	Model Year	1997	Issued	April 27, 1996	Revised (•)

Engine Code/Description			L72	1.3 L L4 (79 CID) EFI
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	
Alternator	Manufacturer		MITSUBISHI ELECTRIC	
	Rating (idle/max. rpm)		55A(2500rpm)	
	Ratio (alt. crank/rev.)		2.36 : 1	
	Output at idle (rpm, park)		MT : 25A (750rpm) AT : 31A(850rpm)	
	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, Std.	
	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 ND AC	BPR6ES-11 W20EPR-U11 R42XLS
	Thread (mm)		M14 x 1.25	
	Tightening torque N·m (lb. ft.)		20-30 (15-22)	
	Gap		1.1 mm (0.04in.)	
	Number per cylinder		1	
Distributor	Manufacturer		NIPPON DENSO	
	Model		33100-60G1	
Ignition Timing (Neutral)			5°BTDC	
Electrical - Suppression				
Locations & type			Spark plug with resister, High tension cord with resister, Distributor with noise suppressor	

MVMA Specifications METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•)

Model Code/Description			4 door sedan
Body			
Structure			Unitized frame
Bumper system front - rear			Front: Polypropylene fascia and Glass-fiber reinforced energy absorbing polypropylene beam Rear: Same as Front
Anti-corrosion treatment			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		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, 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 METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)			
	Model Year 1997	Issued April 27, 1996	Revised (•)	-

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 cm² (in.²)	S1	8759 cm2 (1358 in2)
Side glass exposed surface area cm² (in.²) - total 2 sides	S2	11248 cm2 (1743 in2)
Backlight glass exposed surface area cm² (in.²)	S3	5289 cm2 (820 in2)
Total glass exposed surface area cm² (in.²)	S4	25296 cm2 (3921 in2)
Windshield glass (type/thickness)		4.76 (0.19)
Side glass (type/thickness)		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.)		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 METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•) -

Engine Code/Description		L72 1.3 L L4 (79 CID) EFI
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.)	44120
	Fins per inch	14.5
Heater core	Material	Copper
	Eff. face area (sq. mm.)	24,990
	Fins per inch	29
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, 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 METRIC (U.S. Customary)	Vehicle Line	Geo METRO (sedan)		
	Model Year	1997	Issued April 27, 1996	Revised (•) -

Model Code/Description		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, Std.
Defroster, electric windshield		N.A.
Defroster, electric backlight		Opt.
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)		Non-Lock Door
Integrated Child *Seating*	Std./opt. & location in vehicle	N.A.
	Number of occupants	N.A.
	Occupant weight/height *(min. & max.)*	N.A.
	Restraint system description (3 or 5-point belts/booster seat capability)	N.A.
Lamps	Auto head on/off delay, dimming	N.A.
	Daytime Running Lamo	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	Equipped
	Illuminated entry system (list lamps, activation)	N.A.
	Other	N.A.
Mirrors	Day / night (auto., man.)	Manual, Std.
	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 METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•)

Model Code/Description			4 door sedan
Convenience Equipment (standard, optional, n.a.)			
Power equipment	Deck lid (release, pull down)		N.A.
	Door locks (manual, automatic, describe system)		Optional
	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.
			N.A.
Radio systems	Antenna (location, whip, w/shield, power)		Left-front pillar, Whip
	Standard		Antenna only
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	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 METRIC (U.S. Customary)	Vehicle Line	Geo METRO (sedan)		
	Model Year	1997	Issued April 27, 1996	Revised (●)

Model Code/Description	4 door sedan

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 Width	SAE Ref. No.	
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 (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 **		
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) unless otherwise noted.

MVMA Specifications METRIC (U.S. Customary)	Vehicle Line Geo METRO (sedan)		
	Model Year 1997	Issued April 27, 1996	Revised (•) -

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description		4 door sedan
Front Compartment	**SAE Ref. No.**	
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	25Åã
Hip angle (degrees)	L42	97Åã30'
Knee angle (degrees)	L44	129Åã
Foot angle (degrees)	L46	87Åã
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	23Åã46'
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)
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	25Åã
Hip angle (degrees)	L43	80.8Åã
Knee angle (degrees)	L45	76.2Åã
Foot angle (degrees)	L47	117.8Åã
Depressed floor covering thickness	H73	20 (0.78)
Luggage Compartment		
Usable luggage capacity L (cu. ft.)	V1	292 (10.3)
*** Liftover height	H195	712 (28.0)
Interior Volumes (EPA Classification)		
Vehicle class		subcompact
Interior volume index including trunk/cargo (cu. ft.)**		2561 (90.4)
Front Seat Volume + Rear Seat Volume		2269 (80.1)
Trunk/cargo index (cu. ft.)		292 (10.3)

* 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 METRIC (U.S. Customary)	Vehicle Line	Geo METRO (sedan)		
	Model Year	1997	Issued April 27, 1996	Revised (•) -

Vehicle Dimensions

See Key Sheets for definitions

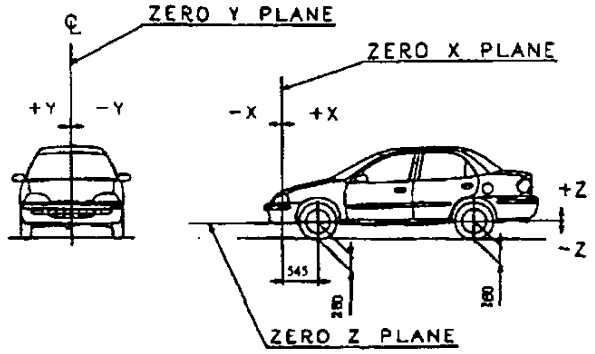
Model Code/Description		4 door sedan
Station Wagon/MPV* -Third Seat	**SAE Ref. No.**	
Seat facing direction	SD1	N.A.
SgRP couple distance	L85	N.A.
Shoulder room	W85	N.A.
Hip room	W86	N.A.
Effective leg room	L86	N.A.
Effective head room	H86	N.A.
SgRP to heel point	H87	N.A.
Knee clearance	L87	N.A.
Back angle (degrees)	L88	N.A.
Hip angle (degrees)	L89	N.A.
Knee angle (degrees)	L90	N.A.
Foot angle (degrees)	L91	N.A.
Station Wagon/MPV* - Cargo Space		
Cargo length (open front)	L200	N.A.
Cargo length (open second)	L201	N.A.
Cargo length (closed front)	L202	N.A.
Cargo length (closed second)	L203	N.A.
Cargo length at belt (front)	L204	N.A.
Cargo length at belt (second)	L205	N.A.
Cargo width (wheelhouse)	W201	N.A.
Rear opening width at floor	W203	N.A.
Opening width at belt	W204	N.A.
Min. rear opening width above belt	W205	N.A.
Cargo height	H201	N.A.
Rear opening height	H202	N.A.
Tailgate to ground height	H250	N.A.
Front seat back to load floor height	H197	N.A.
Cargo volume index m^3 ($ft.^3$)	V2	N.A.
Hidden cargo volume index m^3 ($ft.^3$)	V4	N.A.
Cargo volume index-rear of 2-seat	V10	N.A.
Cargo volume index*	V6	N.A.
Cargo width at floor*	W500	N.A.
Maximum cargo height*	H505	N.A.
Hatchback - Cargo Space		
Cargo length at front seatback height	L208	N.A.
Cargo length at floor (front)	L209	N.A.
Cargo length at second seatback height	L210	N.A.
Cargo length at floor (second)	L211	N.A.
Front seatback to load floor height	H197	N.A.
Second seatback to load floor height	H198	N.A.
Cargo volume index m^3 ($ft.^3$)	V3	N.A.
Hidden cargo volume index m^3 ($ft.^3$)	V4	N.A.
Cargo volume index - rear of 2-seat	V11	N.A.

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

* MPV - Multipurpose Vehicle

** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications METRIC (U.S. Customary)	Vehicle Line	Geo METRO (sedan)		
	Model Year	1997	Issued April 27, 1996	Revised (•) -

Model Code/ Description	4 door sedan	
Vehicle Fiducial Marks		
Fiducial Mark Number*	Define Coordinate Location	
Front(1) Front(2)	Front suspension strut upper center  	
Rear(1) Rear(2)	Burring hole center of rear floor side member at rear most bottom	
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 inch)
***	H163**	757 mm (29.80 inch)
Rear	W22**	463 mm (18.2 in)
	L55**	3625 mm(142.7 in)
	H82**	159 mm (6.3 in)
***	H162**	448 mm (17.64 inch)
***	H164**	426 mm (16.77 inch)

* 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	Vehicle Line	Geo METRO (sedan)				
METRIC (U.S. Customary)	Model Year	1997	Issued	April 27, 1996	Revised (●)	-

		VEHICLE MASS (WEIGHT)					% PASS MASS DISTRIBUTION			
		CURB MASS, kg. (lb.)*			Shipping Mass	ETW	Pass in Front		Pass in Rear	
Code	Model	Front	Rear	Total	kg (lb)***		Front	Rear	Front	Rear
4-Door Sedan base (M/T)	BDC	525 (1157)	365 (805)	890 (1962)	864 (1905)	2250				
4-Door Sedan base (A/T)	BRC	540 (1190)	370 (816)	910 (2006)	884 (1949)	2375				
4-Door Sedan LSi (M/T)	BDD	535 (1179)	370 (816)	905 (1995)	879 (1938)	2250				
4-Door Sedan LSi (A/T)	BRD	550 (1213)	375 (827)	925 (2039)	899 (1982)	2375				

* 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.

Curb Wt. includes following item(s) ;

Air conditioner-	Yes
Power steering-	No
Antilock Brake System-	No
Fuel Tank Capacity	40
	30

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	gasoline	26	
(Liter)	weight		(kg)