MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1991

Manufacturer	SUZUKI MOTOR CO., LTD	Vehicle Line	Geo TRACKER
Mailing Address	CHEVROLET-PONTIAC-CANADA GROUP ENGINEERING CENTER GENERAL MOTORS CORPORATION 30003 VAN DYKE WARREN, MICHIGAN 48090-9060	Issued	JUNE, 1990
		Revised	SEPTEMBER, 1990

Direct questions concerning these specifications to the manufacturer listed above.

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

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

Motor Vehicle Manufacturers Association of the United States, Inc.

Blank Forms Provided by Technical Affairs Division

FORM MVMA-91

MVMA Specifications

METRIC (U.S. Customary)

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O **Indicates Format Change From Previous Year**

NOTE:

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

FORM MVMA-91

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Suzuki Motor Co. Ltd.
Where built (country)	Canada
Authorized U.S. Sales marketing representative	Chevrolet/Geo

o Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fue Economy (City/Hwy)
Geo TRACKER Convertible (4WD)	J10367	2/2	408 (900)	25/27
Geo TRACKER Hardtop (4WD)	J10316	2/2	408 (900)	25/27
Geo TRACKER Hardtop (2WD)	E10367	2/0	408 (900)	25/27

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

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)
Power Teams

SAE J1349 Net bhp (brake hrspwr) and Net Torque corrected to 77 deg. F / 25 deg. C and 29.61 in. Hg/100 kPA atmos. press.

			A	B	C	D
ENGINE	Engine Code		LS5	LS5		
	Displacement Liters (cu. in.)		1.6 (97)	1.6 (97)		
	Induction system (FI, Carb, etc.)		Electronic Fuel Injection	Electronic Fuel Injection		
	Compression ratio		8.9:1	8.9:1		
	SAE Net at RPM	Power kW (bhp)	59 (80) @ 5400	59 (80) @ 5400		
		Torque Newton meters (lb.ft.)	127 (94) @ 3000	127 (94) @ 3000		
	Exhaust Single, dual		Single	Single		
TRANS	Transmission / Transaxle		Manual Transaxle 5-Speed	Automatic Transaxle 3-Speed		
	Axle Ratio (std. first)		5.12	4.62		

Series Availability		Power Teams (A – B – C – D)	
Model	Code	Standard	Optional
Geo TRACKER CONVERTIBLE (4WD)	J10367	A	B
Geo TRACKER HARDTOP (4WD)	J10316	A	B
Geo TRACKER CONVERTIBLE (2WD)	E10367	A	-

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)

Engine Description: 1.6 LITER L4 (97 CID)
Engine Code: ELECTRONIC FUEL INJECTION RPO LS5

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front, Longitudinal, SOHC
Manufacturer		SUZUKI MOTOR CO., LTD.
No. of cylinders		4
Bore		75 mm (2.95 in.)
Stroke		90 mm (3.54 in.)
Bore spacing (C/L to C/L)		84 mm (3.30 in.)
Cyl blck matl & mass kg(lbs.)(machined)		Aluminum Alloy, 17.5 (38.6)
Cylinder block deck height		263.8 mm (10.39 in.)
Cylinder block length		372 mm (14.65 in.)
Deck clearance (minimum) (above or below block)		0.9 mm (0.04 in.)
Cyl. head material & mass kg (lbs.)		Aluminum Alloy, 6.9 (15.2)
Cylinder head volume cu. cm. (cu. in.)		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. cu. (cu. in.)		44.6 (2.72)
Cyl. no. system (front to rear)	L. Bank	1-2-3-4
	R. Bank	---
Firing order		1-3-4-2
Intake manifold matl & mass kg(lbs.)**		Aluminum Alloy, 2.6 (5.7)
Exh. manifold matl & mass kg (lbs.)**		Cast Iron, 3.9 (8.6)
Knock sensor (yes/no)		No
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87
Engine mounts	Quantity	3
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Rubber (Elastomeric)
	Added isolation (sub-frame, crossmember, etc.)	Crossmember (For Engine Rear Mount)
Total dressed engine mass (wt) dry***		89 kg (196 lbs.)

Engine – Pistons

Material & mass, g (weight, oz.) – piston only	Aluminum Alloy, 226 (7.9)

Engine Camshaft

Location		In Cylinder Head
Material & mass kg (weight, lbs.)		Cast Iron, 2.1 (4.7)
Drive type	Chain/belt	Belt
	Width/pitch	19.1/9.5 mm (0.75/0.38 in.)

*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:

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Engine Code	ELECTRONIC FUEL INJECTION RPO LS5

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		Not Applicable
Valves	Number intake/exhaust	4/4
	Head O.D. intake/exhaust	36.6/32.5 mm (1.44/1.28 in.)

Engine – Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, 0.396 (0.873)
Length(axes centerline to centerline)	139.6

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 12.1 (26.7)
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	1
	Rear	1

Engine – Lubrication System

Normal oil pressure kPa(psi) @ eng rpm	40 (0.58) @ 4,000
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow,part, other)	Full Flow
Capacity of c/case,less filter–refill–L (qt.)	4.0 (4.2)

Engine – Diesel Information (NOT APPLICABLE)

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

Engine – Intake System (NOT APPLICABLE)

Turbo charger – manufacturer	
Super charger – manufacturer	
Intercooler	

* Finished State

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Engine Description 1.6 LITER L4 (97 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO LS5

Engine – Cooling System

Coolant recovery system (std, opt, n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		88.2 (12.8)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open @ deg's C(F)	82 (180)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	3.5
	Number of pumps	1
	Drive (V-belt, other)	V-Ribbed Belt
	Bearing type	Roller & Ball
	Impeller material	Steel
	Housing material	Aluminum Alloy
By-pass recirculation type (inter., ext.)		Ext.
Cooling system capacity	With heater - L (qt.)	MT: 5.6 (5.92), AT: 5.5 (5.81)
	With air conditioner-L(qt.)	Not Applicable
	Opt. equ p. specify-L(qt.)	"
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
	Matl., mass kg (wgt.,lbs.)	Aluminum, 3.0 (6.6)
	Width	MT: 482 mm (18.98 in.), AT: 504 mm (19.84 in.)
	Height	375 mm (14.76 in.)
	Thickness	34 mm (1.34 in.)
	Fins per inch	MT: 3.5 mm/2. AT: 3.5 mm/2
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Standard
	Number of blades & type (flex, solid, material)	5, Flex, Plastic
	Diameter & projected width	340 mm (13.39 in.) & 65 mm (2.56 in.)
	Ratio(fan to crnkshft.rev.)	117:130
	Fan cutout type	Bimetal & Fluid Coupling
	Drive type (direct, remote)	Clutch Fan, Remote
	RPM at idle (elec.)	800
	Motor rating(wattage)(elec)	Not Applicable
	Motor switch (type & location/elec.)	"
	Switch point (temp.,/ pressure/elec.)	"
	Fan shroud (material)	Plastic

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Engine – Fuel System

(See supplemental page for details of Fuel Inj, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		Mitsubishi - Mikuni
Carburetor no. of barrels		Not Applicable
Idle A/F mix.		14.6
Fuel injection	Point of inj. (no.)	Throttle Body (1)
	Constant, pulse, flow	Pulse Flow
	Control (elec., mech.)	Electronic
	Sys. press. kPa (psi)	250 (36)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800 (Neutral)
	Automatic	800 (Neutral Or Park)
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water Thermostatic
Air cleaner type		Replaceable Paper Element, Single Snorkel
Fuel filter (type/location)		Paper Element, Under Floor - Rear
Fuel pump	Type (elec. or mech.)	Electrical
	Location (eng., tank)	Fuel tank
	Press. range kPa (psi)	250 (36)
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi)	80 (21.1) @ 250 (36)

Fuel Tank

Capacity refill L (gallons)		42 (11.1)
Location (describe)		Under Floor - Rear
Attachment		Bolts
Material & Mass kg (weight lbs.)		Steel, 8.4 (18.5)
Filler pipe	Location & material	Right Side Rear Quarter Panel, Steel
	Connection to tank	Rubber Hose
Fuel line (material)		Steel
Fuel hose (material)		Steel
Return line (material)		Not Applicable
Vapor line (material)		
Extended range tank	Opt., n.a.	Not
	Capacity L (gallons)	Applicable
	Location & material	
	Attachment	
Auxiliary tank	Opt., n.a.	Not
	Capacity L (gallons)	Applicable
	Location & material	
	Attachment	
	Sletr swit h or valve	
	Separate fill	

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Engine Description: 1.6 LITER L4 (97 CID)
Engine Code: ELECTRONIC FUEL INJECTION RPO LS5

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		EFI + TWC + EGR
	Air injection	Pump or pulse	Not Applicable
		Driven by	"
		Air distribution (head, manifold, etc.,)	"
		Point of entry	"
	Exhaust Gas Recircu-lation	Type (controlled flow, open orifice, other)	Backpressure Controlled
		Exhaust source Point of exh.inj. (spacer, carb., manifold, other)	Manifold
	Catalytic Converter	Type	Single Bed
		Number of	2
		Location(s)	Under Floor
		Volume L (cu.in)	1.4 (85)
		Substrate type	Monolith
		Noble metal type	Platinum (Pt), Rhodium (Rh)
		Noble metal concentration (g/cu. cm.)	0.0013
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges to (intake manifold, other)		Intake Manifold
	Air inlt(breather cap,other)		Air Intake Case
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Canister
		Carburetor	Not Applicable
	Vapor storage provision		Canister
Electron-ic System	Closed loop (yes/no)		Yes
	Open loop (yes/no)		Yes

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)		1 (Separate Resonator), Steel, 8.6 (18.9)
Resonator no. & type		1, Expansion
Exhaust pipe	Branch o.d., wall thickness	Inner:35-1.2 mm (1.38-0.05 in.), Outer:48.6-1.2 mm (1.91-0.05 in.)
	Main o.d., wall thickness	42.7 - 1.5 mm (1.68 - 0.06 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel & Aluminum Coated Steel, 7.5 (16.5)
Inter-mediate pipe	o.d. & wall thickness	42.7 - 1.2 mm (1.68 - 0.05 in.)
	Matl. & Mass kg (wght.lbs.)	Aluminum Coated Steel, 7.0 (15.4)
Tail pipe	o.d. & wall thickness	38.1 - 1.2 mm (1.45 - 0.05 in.)
	Matl. & Mass kg (wght.lbs.)	Aluminum Coated Steel, 1.5 (3.3)

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Engine Description	1.6 LITER L4 (97 CID)
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Transmissions/Transaxle (Std., Opt., N.A.)

Manual 3-speed (manufacturer/country)	Not Applicable
Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Suzuki Motor Co., Ltd./Japan
Automatic (manufacturer/country)	Hydra-Matic, Strasbourgh, General Motors, France
Auto. overdrive (manufacturer/country)	---

Manual Transmission/Transaxle

Number of forward speeds		5
Gear ratios	1st	3.65
	2nd	1.95
	3rd	1.38
	4th	1.00
	5th	0.86
	Reverse	3.67
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor Mounted
Trans. case mat'l. & mass kg (lbs)*		Aluminum Die-Cast, 31.6 (69.7)
Lubricant	Capacity L (pt.)	1.5
	Type recommended	Gear Oil GL4
	SAE Viscosity Number	75W/85W, All Season, 75W/90W Available

Clutch (Manual Transmission)

Clutch manufacturer		Daikin Manufacturing Co., Ltd.
Clutch type (dry, wet; single, multiple disc)		Dry Single Disc
Linkage (hyd., cable, rod, lever, other)		Cable
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	120
	Released	75
Assist (spring, power/percent, nominal)		Spring
Type pressure plate springs		Diaphragm Spring
Total spring load (nominal) N (lbs.)		3,530
Clutch facing	Facing mfgr. & matl. coding	Daikin Manufacturing Co. Ltd., HN603
	Facing matl. & construction	Non-Asbestos, Semi-Mold
	Rivets per facing	16
	Outside x inside dia. (nom.)	200 x 140 mm (7.87 x 5.51 in.)
	Total eff.area sq cm(sq in)	160
	Thickness (pressure plate side/fly wheel side)	3.5/3.5 mm (0.138/0.138 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.3 - 1.9 (0.05 -0.075 in.) /1.3 - 1.9 mm (0.051-0.075 in.)
	Engagement cushion method	Separate Cushion Type
Release bearing type & method lub.		Automatic Center Adjusting Type Without 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	1.6 LITER L4 (97 CID)
Engine Code	ELECTRONIC FUEL INJECTION RPO LS5

Automatic Transmission/Transaxle

Trade Name		3-Speed Automatic
Type and special features (describe)		Torque Converter With Planetary Gears
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	2.40 (Equivalent)
	2nd	1.47 "
	3rd	1.00 "
	4th	Not Applicable
	Reverse	2.00 (Equivalent)
Max. upshift speed - drive range km/h (mph)		56.4 (35) [1-2], 101.9 (63) [2-3]
Max. kickdown speed - drive range km/h (mph)		44.2 (27) [2-1], 93.1 (58) [3-2]
Min. overdrive speed km/h (mph)		Not Applicable
Torque converter	Number of elements	3
	Max. ratio at stall	2.40:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 mm (9.6 in.)
	Capacity factor "K"	260
Lubricant	Capacity refill L (pt.)	5.1 (10.8)
	Type recommended	Dexron II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Radiator
Trans. mass kg (lbs) & case matl. **		Aluminum, 64.2 (141)

All Wheel / 4 Wheel Drive

(NOT APPLICABLE - 2 WHEEL DRIVE MODELS)

Desc. & type (part-time, full-time, 2/4 shift while moving, mech., elect., chain/gear, etc.)		Part-Time
Transfer case	Manufacturer and model	Suzuki Motor Co., Ltd.
	Type and location	Constant Mesh Helical Gear
Low-range gear ratio		1.82
System disconnect (describe)		Floor Shift
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	Not Applicable
	Torque split(% frt/rear)	"

* Input speed / square root of torque.
** Includes torque converter, lubricant and shift linkage

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METRIC (U.S. Customary)

Engine Description: 1.6 LITER L4 (97 CID)
Engine Code: ELECTRONIC FUEL INJECTION RPO LS5

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

Effec. final drv. ratio (or overall top gear ratio)			5.12 (Manual)	4.62 (Automatic)
Trnsfr ratio and method(chain,gear,etc)			1.00 (High Range), 1.82 (Low Range), Gear	
Front drive unit	Ring gear o.d.		175 mm (6.89 in.)	
	No. of teeth	Pinion	8	8
		Ring gear	41	37

Front Drive Unit

Description (integral to trans., etc.)		Differential With Hypoid Gear And Taper Bearing
Limited slip differential (type)		None
Drive pinion	Type	Hypoid Gear
	Offset	23 mm (0.906 in.)
No. of differential pinions		2
Pinion/ differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Collapsible
Driving wheel bearing (type)		Taper Bearing
Lubricant	Capacity L (pt.)	1.0 (2.1)
	Type recommended	Hypoid Gear Oil GL-5
	SAE Viscosity Number	75W-85

Axle Shafts – Front Wheel Drive

Manufacturer and number used			NTN TOYO BEARING CO., LTD.
Type (straight, solid bar, tubular, etc.)		Left	Solid Bar
		Right	Solid Bar
Outer diam. x length* x wall thickness	Manual transaxle	Left	22 x 310.5 mm (0.87 x 12.22 in.)
		Right	22 x 305.5 mm (0.87 x 12.03 in.)
	Automatic transaxle	Left	22 x 310.5 mm (0.87 x 12.22 in.)
		Right	22 x 305.5 mm (0.87 x 12.03 in.)
	Optional transaxle	Left	Not Applicable
		Right	"
Slip yoke	Type		"
	Number of teeth		"
	Spline o.d.		"
Universal joints	Make and mfg. no.	Inner	NTN TOYO BEARING CO., LTD., 2
		Outer	NTN TOYO BEARING CO., LTD., 2
	Number used		4
	Type, size, plunge	Inner	Double Offset Joint DOJ82
		Outer	Rzeppa BJ82
	Attach (u-bolt, clamp, etc.)		Bolt & Clip
	Bearing: Type (plain, anti-friction)		Anti-Friction
	Bearing: Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Lower: Control Arm, Upper: McPherson Strut
Torque taken through (torque tube, arms or springs)			Diff Mounting System

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

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

Axle ratio (or overall top gear ratio)		5.12 (Manual)	4.62 (Automatic)
Ring gear o.d.		190 mm	
No. of teeth	Pinion	8	8
	Ring gear	41	37

Rear Axle Unit

Description		Differential With Hypoid Gear And Taper Bearings
Limited slip differential (type)		None
Drive pinion	Type	Hypoid Gear
	Offset	27 mm (1.06 in.)
No. of differential pinions		4
Pinion/ differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Collapsible
Driving wheel bearing (type)		Taper Bearing
Lubricant	Capacity L (pt.)	2.2 (4.6)
	Type recommended	Hypoid Gear Oil GL-5
	SAE Viscosity Number	75W-85

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			HAMANA PARTS CO., LTD., Straight Tube
Outer diam. x length* x wall thickness	Manual 3-speed transmission		Not Applicable
	Manual 4-speed transmission		Not Applicable
	Manual 5-speed transmission		Front: 38.1 x 506 x 3.2 mm (1.5 x 19.92 x 0.13 in.) Rear: 50.8 x 722 x 2.3 mm (2.0 x 28.43 x 0.09 in.)
	Overdrive		Not Applicable
	Automatic transmission		Front: 38.1 x 506 x 3.2 mm (1.5 x 19.92 x 0.13 in.) Rear: 50.8 x 722 x 2.3 mm (2.0 x 28.43 x 0.09 in.)
Intermediate bearing	Type (plain, anti-friction)		Not Applicable
	Lub. (fitting, prepack)		"
Slip yoke	Type		Involute Serration Hole
	Number of teeth		26
	Spline o.d.		27 mm (1.06 in.)
Universal joints	Make and mfg. no.	Front	KOYO SEIKO CO., LTD.
		Rear	KOYO SEIKO CO., LTD.
	Number used		4
	Type (ball and trunnion, cross)		Cross Type
	Rr. attach(u-bolt,clamp,etc)		Flange and Bolts
	Bearing: Type (plain, anti-friction)		Needle Bearing
	Bearing: Lubrication (fitting, prepack)		Grease
Drive taken through (torque tube, arms or springs)			Upper And Lower 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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METRIC (U.S. Customary)
Body Type And/Or
Engine Displacement

4WD MODELS	2WD MODELS

Suspension – General Including Electronic Controls

Car leveling	Std./opt./not avail.		Not
	Manual/automatic control		Applicable
	Type (air/hydraulic)		
	Primary/assist spring		
	Rear only/4 wheel leveling		
	Single/dual rate spring		
	Single/dual ride heights		
	Provision for jacking		
Shock absorber damping controls	Standard/option/not avail.		Not
	Manual/automatic control		Applicable
	Number of damping rates		
	Type of actuation (manual/electric motor/air, etc.)		
	sensors	Lateral acceleration	
		Deceleration	
		Acceleration	
		Road surface	
Shock absorber (front & rear)	Type		Front & Rear: Double Action Telescopic
	Make		SHOWA MANUFACTURING CO., LTD., Rear: TOKICO LTD.
	Piston diameter		Ft: 32 mm (1.26 in.), Rr: 25 mm (0.98 in.)
	Rod diameter		Ft: 22 mm (0.87 in.), Rr: 12.5 mm (0.49 in.)

Suspension – Front

Type and description			McPherson Strut (Separate Coil Spring)	
Travel*	Full jounce		100 mm (3.94 in.)	90 mm (3.54 in.)
	Full rebound		60 mm (2.36 in.)	70 mm (2.76 in.)
Spring	Type,(coil,leaf,other&matl)		Coil, Steel	
	Insulators (type & matl)		Rubber	
	Size (coil design height & i.d.)		227 x 83 mm (8.93 x 3.27 in.)	220 x 83 (8.66 x 3.27 in.)
	Spring rate N/mm (lb./in.)		79.4 (452.8)	
	Rate @ wheel N/mm (lb./in)		27.4 (156.5)	
Stabilizer	Type (link,linkless,frmless)		Link	
	Material & bar diameter		Steel, 24.2 mm (0.95 in.), t 3.0 mm (0.12 in.)	

Suspension – Rear

Type and description			Rigid Axle With Lower Trailing Arm & Upper A Shape Arm	
Travel*	Full jounce		110 mm (4.33 in.)	100 mm (3.94 in.)
	Full rebound		50 mm (1.97 in.)	
Spring	Type(coil,leaf,other&matl)		Coil, Steel	
	Size (length x width, coil design height & i.d.)		250 x 83.7 mm (9.84 x 3.3 in.)	238 x 84.1 mm (9.37 x 3.31 in.)
	Spring rate N/mm (lb/in)		27.4 (156.5)	
	Rate @ wheel N/mm (lb/in)		27.4 (156.5)	
	Insulators(type & material)		Rubber	
	If leaf	No. of leaves	Not Applicable	
		Shackle(comp or tens)	"	
Stabilizer	Type(link,linkless,frmless)		"	
	Material & bar diameter		"	
Track bar (type)			"	

* Define load condition:

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

CONVERTIBLE	HARDTOP

Brakes – Service

Description				Hydraulic, Front: Floating Caliper Rear: Leading Trailing Shoe
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			TOKICO LTD., Disc
	Rear (disc or drum)			NISSHINBO CO., LTD., Drum
Valving type(prop,delay,metering,other)				Proportioning
Power brake (std., opt., n.a.)				Standard
Booster type(rmt,intgrl,vac.,hyd.,etc.)				Vacuum
Vacuum	Source (inline, pump, etc.)			Inline (Intake Manifold)
	Reservoir (volume cu. in.)			Not Applicable
	Pump-type			"
Traction Control	Operational speed range			Not Applicable
	Type engine intervention			"
Anti-lock device	Front/rear (std., opt., n.a)			Rear, Standard
	Manufacturer			Kelsey-Hayes
	Type (electronic, mech.)			Electronic
	Number sensors or circuits			1
	No. anti-lock hyd. circuits			1
	Integral or add-on system			Add-On System
	Yaw control (yes, no)			No
	Hydraulic power source			Not Applicable
Effective area sq. cm. (sq. in.)*				135/287 (21/44)
Gross Lng area sq. cm. (sq. in.)**(F/R)				140/287 (22/44)
Swept area sq. cm. (sq. in.)***(F/R)				1322/470 (205/73 in.)
Rotor	Outer working diameter		F/R	290/- mm (11.42/- in.)
	Inner working diameter		F/R	205/- mm (8.07/- in.)
	Thickness		F/R	10/- mm (0.39/- in.)
	Matl & type (vented/sld)		F/R	Cast Iron, Solid/-
Drum	Diameter & width		F/R	-/220 x 34 mm (-/8.66 x 1.34 in.)
	Type and material		F/R	-/Cast Iron, Solid
Wheel cylinder bore				48.1/23.81 mm (1.89/0.94 in.)
Master cylinder	Bore/stroke		F/R	22.22/31.0 mm (0.87/1.22 in.)
Pedal arc ratio				4.5:1
Line pressure at 445 N (100 lb.) pedal load kPa (psi)				9700 (1400)
Lining clearance			F/R	Self-Adjusting/Self-Adjusting
Brake lining	Front wheel	Bonded or riveted		Bonded
		Rivet size		Not Applicable
		Manufacturer		JAPAN BRAKE INDUSTRIAL CO., LTD.
		Lining code *****		JB KC 80FE
		Material		Resin Mold
		****	Pri. or out-brd	99 x 42 x 10 mm (3.90 x 1.65 x 0.39 in.)
		Size	Sec. or in-brd	99 x 42 x 10 mm (3.90 x 1.65 x 0.39 in.)
		Shoe thickness.(no lng)		5 mm (0.20 in.)
	Rear wheel	Bonded or riveted		Bonded
		Manufacturer		JAPAN BRAKE INDUSTRIAL CO. LTD.
		Lining code *****		JB NL 60FF
		Material		Resin Mold
		****	Pri. or out-brd	211 x 34 x 5.5 mm (8.31 x 1.34 x 0.22 in.)
		Size	Sec. or in-brd	211 x 34 x 5.5 mm (8.31 x 1.34 x 0.22 in.)
		Shoe thickness (no lng)		2 mm (0.08 in.)

* 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 circum.)
(Disc brake: Square of Outer Working Dia. - Square of Inner Working Dia. X 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 TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	4WD MODELS	2WD MODELS

Tires And Wheels (Standard)

			4WD MODELS	2WD MODELS
Tires	Size (load range, ply)		P205/75R15	P195/75R15
	Type (bias, radial, etc.)		Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	160 (23)	
		Rear kPa (psi)	160 (23)	
	Rev/mile–at 70 km/h(45mph)		760	
Wheels	Type & material		Drop Center, Steel	
	Rim (size & flange type)		15 x 5.5 JJ	
	Wheel offset		25 mm (0.98 in.)	
	Attachment	Type(bolt,stud)	Stud	
		Circle diameter	139.7 mm (5.50 in.)	
		Number & size	5 x M12	
Spare	Tire and wheel		Same Size	
	Storage position & location (describe)		Vertical, Outside Of Back Door	

Tires And Wheels (Optional)

	4WD MODELS	2WD MODELS
Tire size (load range, ply)	Not Applicable	
Type (bias, radial, steel, nylon, etc.)	Not Applicable	
Wheel (type & material)	Drop Center, Aluminum Alloy	Not Applicable
Rim (size, flange type and offset)	15 x 5.5 JJ, 25 mm	Not Applicable
Tire size (load range, ply)	Not Applicable	
Type (bias, radial, steel, nylon, etc.)	"	
Wheel (type & material)	"	
Rim (size, flange type and offset)	"	
Tire size (load range, ply)	"	
Type (bias, radial, steel, nylon, etc.)	"	
Wheel (type & material)	"	
Rim (size, flange type and offset)	"	
Tire size (load range, ply)	"	
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)	Not Applicable	

Brakes – Parking

		4WD MODELS
Type of control		Lever - Hand Operated
Location of control		Between Front Seat
Operates on		Rear Service Brake
If separate from service brakes	Type(internal or external)	Not Applicable
	Drum diameter	"
	Lining size (length x width x thickness)	"

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	CONVERTIBLE	HARDTOP

Steering

Manual (std., opt., n.a.)					Standard
Power (std., opt., n.a.)					Optional
Adjustable steering wheel/ column (tilt, telescope, other)			Type		Not Applicable
			Manufacturer		*
			(std., opt., n.a.)		Optional
Wheel diameter ** (W9) SAE J1100			Manual		390 mm (15.35 in.)
			Power		Optional
Turning diameter m (ft.)	Out-side front		Wall to wall (l. & r.)		10.5 (34.44)
			Curb to curb (l. & r.)		9.8 (32.15)
	In-side rear		Wall to wall (l. & r.)		Not Applicable
			Curb to curb (l. & r.)		*
Scrub Radius *					12 mm (0.47 in.)
Manual	Gear		Type		Recirculating Ball
			Manufacturer		NIPPON SEIKO K.K.
		Ratios		Gear	18.5 - 21.0 (Variable)
				Overall	21.7
	No. wheel turns(stop to stop)				3.8
Power	Type (coaxial,elec.hyd.,etc.)				Hydraulic
	Manufacturer				KOYO SEIKO CO., LTD.
	Gear		Type		Recirculating Ball
		Ratios		Gear	17.5
				Overall	19.4
	Pump (drive)				Belt
	No. wheel turns(stop to stop)				3.4
Linkage	Type				Parallel Linkage
	Location (front or rear of wheels, other)				Front
	Tie Rods (one or two)				2
Steering axis	Inclination at camber (deg.)				31
	Bear-ings (type)		Upper		Needle Bearing
			Lower		Ball Bearing
			Thrust		Not Applicable
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 22.

○ MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	CONVERTIBLE	HARDTOP

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1.5
		Camber (deg.)	0.5
		Toe-in outside track - mm (in.)	2 - 6 mm (0.08 - 0.24 in.)
	Service reset*	Caster (deg.)	Not Applicable
		Camber (deg.)	"
		Toe-in - mm(in.)	Adjustable
	Periodic M.V. inspection	Caster (deg.)	1.5 (+/-) 1
		Camber (deg.)	0.5 (+/) 1
		Toe-in - mm(in.)	2 -6 mm (0.08 - 0.24 in.)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0
		Toe-in outside track - mm (in.)	0
	Service reset*	Camber (deg.)	Not Applicable
		Toe-in - mm(in.)	"
	Periodic M.V. inspection	Camber (deg.)	0 (+/-) 1
		Toe-in - mm(in.)	0 (+/-) 2

* 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	Std., opt., not avail.		Not Applicable
	Type - Secondary, Opto-electronic		Not Applicable
	Speedometer	Digital	Not Applicable
	Status/warn. indicators - Turn signals, high beam, low fuel, check gauges		Not Applicable
	Brightness control	Day/night mode, adj.	Not Applicable
EGR maintenance indicator			Not Applicable
Charge indicator	Type		Not Available
	Warning device (light, audible)		Tell-Tail Warning Light
Temperature indicator	Type		Analog Gauge With Pointer
	Warning device		Not Applicable
Oil pressure indicator	Type		Not Applicable
	Warning device		Tell-Tale Warning Light
Fuel indicator	Type		Analog Gauge With Pointer
	Warning device		Not Applicable
Windshield wiper	Type (standard)		Electric 2-Speed
	Type (optional)		Intermittent
	Blade length		434 mm (17.09 in.)
	Swept area sq cm (sq in)		5,308 (17.09)
Windshield washer	Type (standard)		Electric, Lever Control: PULL
	Type (optional)		Not Applicable
	Fluid level indicator		"
Rear window wiper, wiper/washer (std., opt., n.a.)			Optional
Horn	Type		Electric Resonator
	Number used		1
Other			

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)

Engine Description	1.6 LITER L4 (97 CID)
Engine Code	ELECTRONIC FUEL INJECTION RPO LS5

Electrical – Supply System

Battery	Manufacturer	DELCO REMY
	Model, std., (opt.)	Standard 26-500
	Voltage	12
	Amps at 0 deg F cold crnk	500
	Minutes-reserve capacity	75
	Amps/hrs. - 20 hr. rate	45
	Location	RH Side Of Engine Compartment
Alternator	Manufacturer	MITSUBISHI ELECTRIC CORP.
	Rating (idle/max. rpm)	55
	Ratio (alt. crank/rev.)	2.36:1
	Output at idle (rpm, park)	30 (800)
	Optional (type & rating)	Not Applicable
Regulator	Type	Integral With Alternator

Electrical – Starting System

Motor	Manufacturer	MITSUBISHI ELECTRIC CORP.
	Current drain 0 deg C (F)	200 A max.
	Power rating kw (hp)	MT: 1.2 (1.6), AT: 1.4 (1.9)
Motor drive	Engagement type	Positive Shift Solenoid
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std, opt,n.a.)		Not Applicable
	Other (specify)		High Energy Ignition (Integral With Distributor)
Coil	Manufacturer		Mitsubishi Electric Corp.
	Model		J002T01671
	Current	Engine stopped-A	0
		Engine idling - A	1.5 max.
Spark plug	Manufacturer		NGK, NIPPON DENSO
	Model		BPR5ES, W16EXR-U
	Thread (mm)		M14 x 1.25
	Tightening torque Newton meters (lb. ft.)		20 - 30 (15 - 22)
	Gap		0.8 mm (0.03 in.)
	Number per cylinder		1
Distributor	Manufacturer		Mitsubishi Electric Corp.
	Model		T2T53471

Electrical – Suppression

Locations & Type	Metax Oxide Coating Rotor (Distributor) High Tension Cord With Resistor Spark Plug With Resistor

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*):

METRIC (U.S. Customary)

Body Type	CONVERTIBLE	HARDTOP

Body

Structure	Body With Chassis Frame
Bumper System Front - Rear	Front: Energy Absorption Type By P.P. Foam Rear: P.P. Skin With Steel Core
Anti-Corrosion Treatment	1. Surface Treated Steel Plates 2. Vinyl Chloride Coating (Bottom/Side Of Floor)

Body – Miscellaneous Information

Type of finish (lacquer, enamel, other)			Enamel
Hood	Material & mass		Steel, 10.8 kg (23.8 lbs.)
	Hinge location (front, rear)		Rear
	Type (counterbalance, prop)		Prop
	Release control (int., ext.)		Internal And External
Trunk lid	Material & mass		Not Applicable
	Type (counterbalance, other)		"
	Internal release control (elec., mech., n.a.)		"
Hatch-back lid	Material & mass		Not Applicable
	Type (counterbalance, other)		"
	Internal release control elec., mech., n.a.)		"
Tailgate	Material & mass		Steel, 13.8 kg (30.4 lbs.)
	Type (drop, lift, door)		Door
	Internal release control (elec., mech., n.a.)		Not Applicable
Vent window control (crank, friction, pivot, power)		Front	"
		Rear	" Pivot
Window regulator type (cable, tape, flex drive, etc.)		Front	Cable
		Rear	Not Applicable
Seat cushion type (e.g., 60/40, bucket, bench wire, foam, etc.)		Front	Semi Bucket
		Rear	Bench Bucket
		3rd seat	Not Applicable
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)		Front	Semi Bucket
		Rear	Bench Bucket
		3rd seat	Not Applicable

MVMA Specifications

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METRIC (U.S. Customary)

Body Type

CONVERTIBLE	HARDTOP

Restraint System

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

Glass

	SAE Ref No		
Windshield glass exposed surface area sq. cm. (sq. in.)	S1	8,315 (1,288)	
Side glass exposed surface area sq. cm. (sq. in.) - total 2- sides	S2	8,540 (1,324)	17,040 (2,641)
Backlight glass exposed surface area sq. cm. (sq. in.)	S3	Not Applicable	5,472 (848)
Total glass exposed surface area sq. cm. (sq. in.)	S4	16,855 (2,612)	30,827 (4,777)
Windshield glass (type)		Laminated Glass	
Side glass (type)		Tempered Glass	
Backlight glass (type)		Tempered Glass	

Headlamps

Description - sealed beam, halogen, replaceable bulb, etc.	Halogen, Replaceable Bulb
Shape	Composite
Lo-beam type (2A1, 2B1, 2C1, etc.)	
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	
Quantity	2

Frame

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

MVMA Specifications

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METRIC (U.S. Customary)

Body Type	CONVERTIBLE	HARDTOP

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

Air conditioning (manual, auto, temp control)		Optional, (Manual Control)	
Clock (digital, analog)		Optional, Digital, Integral With Radio	
Compass / thermometer		Not Applicable	
Console (floor, overhead)		Standard, Floor (4WD Models)	
Defroster, elec. backlight		Not Applicable	Optional
Electronic	Diagnostic monitor (integrated, individual)	"	
	Instrument cluster (list instruments)	"	
	Keyless entry	"	
	Tripminder (avg. spd. fuel)	"	
	Voice alert (list items)	"	
	Other	"	
Fuel door lock (remote, key, electric)		"	
Lamps	Auto head on/off delay, dimming	"	
	Cornering	"	
	Courtesy (map, reading)	Standard, Map Lamp 1	
	Door lock, ignition	Not Applicable	
	Engine compartment	"	
	Fog	"	
	Glove compartment	"	
	Trunk	"	
	Illuminated entry system (list lamps, activation)	"	
	Other	"	
Mirrors	Day / night (auto. man.)	Standard, Manual	
	L.H. (remote, pwr., heated)	Standard, Manual	
	R.H.(convex, rmt, pwr, htd)	Standard, Convex	
	Visor vanity (RH/LH illum.)	Not Applicable	
Navigation system (describe)		"	
Prkg. brake-auto release (warn. light)		"	

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)

Engine Description				
Engine Code			CONVERTIBLE	HARDTOP

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

Power equipment	Deck lid(release, pull down)		Not Applicable
	Door locks (manual, auto., describe system)		"
	Seats	2 - 4 - 6 way, etc.	"
		Reckning(R.H., L.H.)	"
		Memory (R.H., L.H., preset, recline)	"
		Support (lumbar, hip, thigh, etc.)	"
		Heated (R.H., L.H., other)	"
			"
	Side windows		"
	Vent windows		"
	Rear windows		"
Radio systems	Antenna (location, whip, w/shield, power)		Left Front Pillar, Whip
	Stan.	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	Antenna Only
	Opt.		AM/FM, ETR, Stereo AM/FM, ETR, Stereo With Cassette Tape Deck
	Speaker (number, location)		Opt. 2: I.P. Mounted, 2: Rear Quarter Trim
Roof: open air or fixed (flip-up, sliding, 'T')			Canvas, Flip-up / Not Applicable
Speed control device			Not Applicable
Speed warn. dev. (light, buzzer, etc.)			"
Tachometer (rpm)			Standard
Telephone system (describe)			Not Applicable
Theft deterrent system			Steering Lock - Type

Trailer Towing

Towing capable	Yes / No	Yes
Engine/transmission/axle	Std / Opt	Standard
Tow class (I, II, III)*	Std / Opt	I, Optional
Max. gross trailer wgt. (lbs.)	Std / Opt	1,000
Max. trailer tongue load (lbs.)	Std / Opt	100
Towing package available	Yes / No	Yes

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

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

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.

Body Type		CONVERTIBLE	HARDTOP
Width	**SAE Ref. No.**		
Tread (front)	W101	1,395 (54.92)	
Tread (rear)	W102	1,400 (55.12)	
Vehicle width	W103	1,630 (64.17)	
Body width at Sg RP (front)	W117	1,566 (61.65)	
Vehicle width (front doors open)	W120	3,450 (135.83)	
Vehicle width (rear doors open)	W121	Not Applicable	
Tumble-home (deg.)	W122	15.8	
Outside mirror width	W410	1,820 (71.65)	
Length			
Wheelbase	L101	2,200 (86.61)	
Vehicle length	L103	3,620 (142.52)	
Overhang (front)	L104	655 (25.79)	
Overhang (rear)	L105	765 (30.12)	
Upper structure length	L123	2,285 (89.96)	2,301 (90.59)
Rear wheel C/L 'X' coordinate	L127	1,840 (72.44)	
Height **			
Passenger distribution (front/rear)	PD1,2,3	2/2 **	
Trunk/cargo load		1,595 (62.79) **	
Vehicle height	H101	1,665 (65.55)	
Cowl point to ground	H114	1,061 (41.77)	1,062 (41.81)
Deck point to ground	H138	---	
Rocker panel-front to ground	H112	246 (9.69)	247 (9.72)
Rocker panel-rear to ground	H111	228 (8.98)	230 (9.06)
Windshield slope angle (deg.)	H122	46.2	
Backlight slope angle (deg.)	H121	25	13.6
Ground Clearance **			
Front bumper to ground	H102	323 (12.72)	
Rear bumper to ground	H104	240 (9.45)	244 (9.61)
Bumper to ground front at curb mass (wt.)	H103	333 (13.11)	
Bumper to ground rear at curb mass (wt.)	H105	327 (12.87)	
Angle of approach (deg.)	H106	44	
Angle of departure (deg.)	H107	34	
Ramp breakover angle (deg.)	H147	18	
Axle differential to ground (front/rear)	H153	215/200 (8.46/7.87)	
Min. running ground clearance	H156	200 (7.87)	
Location of min. run. grd. clear.		Front Differential	

** 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 TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Body Type		CONVERTIBLE	HARDTOP
o Front Compartment	**SAE Ref. No.**		
SgRP front, 'X' coordinate	L31	1,085 (42.71)	
Effective head room	H61	1,004 (39.53)	1,017 (40.04)
Max. eff. leg room (accelerator)	L34	1,089 (42.09)	
SgRP to heel point	H30	325 (12.80)	
SgRP to heel point	L53	820 (32.28)	
Back angle (deg.)	L40	20	
Hip angle (deg.)	L42	95.5	
Knee angle (deg.)	L44	122	
Foot angle (deg.)	L46	80	
Design H-point front travel	L17	180 (7.09)	
Normal driving & riding seat track trvl.	L23	180 (7.09)	
Shoulder room	W3	STD: 1,325 (52.17), LSi: 1,310 (51.57)	
Hip room	W5	STD: 1,316 (51.81), LSi: 1,310 (51.57)	
*** Upper body opening to ground	H50	1,480 (58.27)	
Steering wheel maximum diameter*	W9	390 (15.35)	
Steering wheel angle (deg.)	H16	31	
Accel. heel pt. to steer. whl. cntr	L11	337 (13.27)	
Accel. heel pt. to steer. whl. cntr	H17	715 (28.15)	
Undepressed floor covering thickness	H67	15 (0.59)	
o Rear Compartment		**Front Compartment Int. Dim. Are Measured With The Seating Ref. Pt. (SgRP) 0 mm Forward And 0 mm Upward of Rearmost Position.**	
SgRP point couple distance	L50	700 (27.56)	
Effective head room	H63	990 (38.27)	967 (38.08)
Min. effective leg room	L51	804 (31.65)	
SgRP (second to heel)	H31	385 (15.16)	
Knee clearance	L48	101 (3.98)	
Shoulder room	W4	1,275 (50.20)	
Hip room	W6	1,064 (41.89)	
*** Upper body opening to ground	H51	Not Applicable	
Back angle (deg.)	L41	20	
Hip angle (deg.)	L43	92	
Knee angle (deg.)	L45	80	
Foot angle (deg.)	L47	98	
Depressed floor covering thickness	H73	15 (0.59)	
Luggage Compartment			
Usable luggage capacity L (cu. ft.)	V1	134.3 (4.74)	145.7 (5.15)
*** Liftover height	H195	687 (27.05)	
Interior Volumes (EPA Classification)			
Vehicle class		Special Purpose Vehicle	
Interior volume index (cu. ft.)**		87.04	
Trunk / cargo index (cu. ft.)		Not Applicable	

* See page 14.
** Includes passenger and trunk / cargo index – see definition page 32.

*** EPA Loaded Vehicle Weight, Loading Conditions

All Linear Dimensions Are In Millimeters (Inches)

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Body Type	CONVERTIBLE	HARDTOP

Station Wagon – Third Seat

SAE Ref. No. (NOT APPLICABLE)

Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip Room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle (deg.)	L88	
Hip angle (deg.)	L89	
Knee angle (deg.)	L90	
Foot angle (deg.)	L91	

Station Wagon – Cargo Space

Cargo length (open front)	L200	---	
Cargo length (open second)	L201	---	
Cargo length (closed front)	L202	STD: 793(31.22) LSi: 787(30.98)	STD:788(31.02) LSi: 782(30.78)
Cargo length (closed second)	L203	STD: 320(12.60) LSi: 316(12.44)	STD:315(12.40) LSi: 311(12.24)
Cargo length at belt (front)	L204	STD: 707(27.83) LSi: 662(26.06)	STD:702(27.63) LSi: 657(25.86)
Cargo length at belt (second)	L205	STD: 196(7.71) LSi: 178(7.01)	STD:191(7.51) LSi: 173(6.81)
Cargo width (wheelhouse)	W201	1,060 (41.73)	
Rear opening width at floor	W203	1,110 (43.70)	
Opening width at belt	W204	1,112 (43.78)	
Min. rear opening width above belt	W205	900 (35.43)	935 (36.8)
Cargo height	H201	1,010 (39.76)	
Rear opening height	H202	870 (32.25)	
* Tailgate to ground height	H250	645 (25.39)	
Front seat back to load floor height	H197	STD: 750 (29.53), LSi: 765 (30.12)	
Cargo volume index cu. m. (cu. ft.)	V2	0.91 (32.13)	0.904 (31.92)
Hidden cargo vol. index cu. m. (cu. ft.)	V4	Not Applicable	
Cargo volume index–rear of 2–seat	V10	0.252 (8.89)	0.246 (8.68)

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 cu. m. (cu. ft.)	V3	
Hidden cargo vol. index cu. m. (cu. ft.)	V4	
Cargo volume index–rear of 2–seat	V11	

*** EPA Loaded Vehicle Weight, Loading Conditions**

All Linear Dimensions Are In Millimeters (Inches)

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Body Type	CONVERTIBLE	HARDTOP

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
Front	Front: Center Of 20 mm Dia. Hole On "Side Frame Center".
Rear	Rear: Center Of 7 mm Dia. Hole On "Reinforcement Side Frame Center End".

Fiducial Mark Number		
Front	W21*	373/-373 (14.69/-14.69)
	L54*	-58 (-2.28)
	H81*	-67 (-2.64)
	H161*	218 (8.58)
**	H163*	207 (8.15)
Rear	W22*	405/-405 (15.94/-15.94)
	L55*	1,560 (61.42)
	H82*	-20 (-0.79)
	H162*	265 (10.43)
**	H164*	247 (9.72)

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

** EPA Loaded Vehicle Weight, Loading Conditions

All Linear Dimensions Are In Millimeters (Inches)

o MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line: Geo TRACKER

Model Year: 1991 Issued: 6-90 Revised(*): 9-90

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 TRACKER Convertible (4WD)	(J10367)	589 (1299)	480 (1058)	1069 (2357)	1040 (2293)	N	34	66	2	98
Geo TRACKER Hardtop (4WD)	(J10316)	586 (1292)	493 (1087)	1079 (2379)	1050 (2315)	N	34	66	2	98
Geo TRACKER Convertible (2WD)	(E10367)	498 (1098)	451 (994)	949 (2092)	920 (2028)	L	34	66	2	98

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

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

29 (64)

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line: Geo TRACKER
Model Year: 1991 Issued: 6-90 Revised(*): 9-90

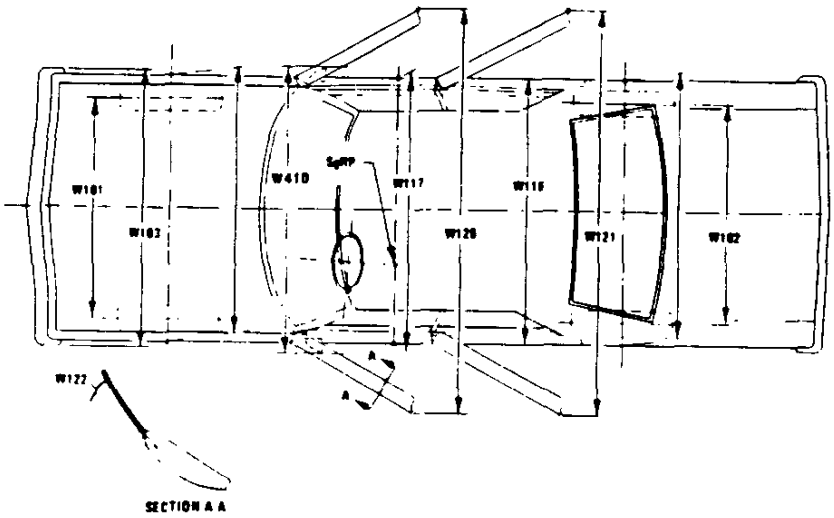
Optional Equipment Differential Mass (weight)*

Code	Equipment	MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
	Automatic Transmission	10.8 (23.8)	7.2 (15.9)	18.0 (39.7)	
	Rear Window Wiper Washer	0 (0)	1.4 (3.1)	1.4 (3.1)	
	LSi Interior Trim	0.81 (1.79)	4.23 (9.33)	5.04 (11.11)	
	Air Conditioning	13.8 (30.4)	2.4 (5.3)	16.2 (35.7)	
	Front Skid Plate	9.7 (21.4)	0.7 (1.5)	10.4 (22.9)	

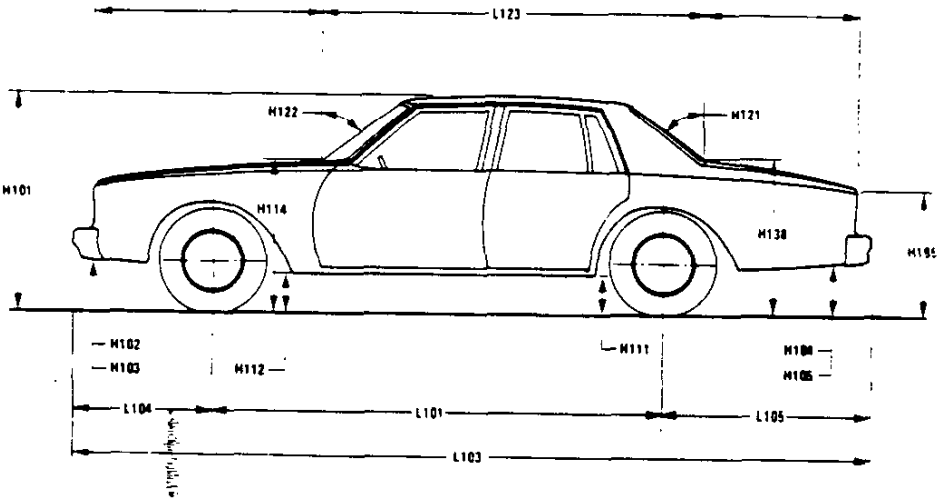
* Also see Engine – General Section for dressed engine mass (weight).

Exterior Vehicle And Body Dimensions – Key Sheet

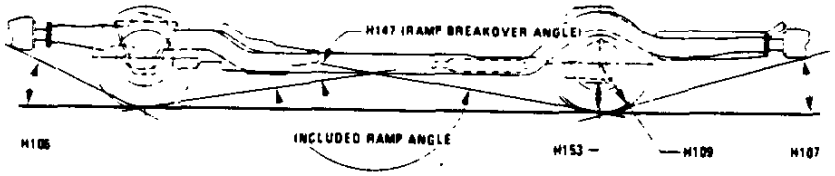
Exterior Width



Exterior Length & Height



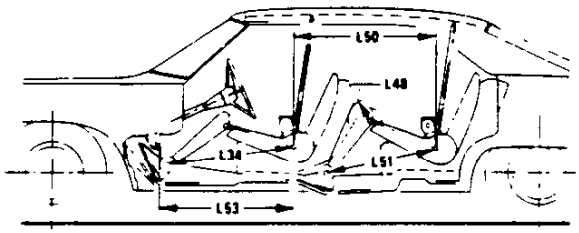
Exterior Ground Clearance

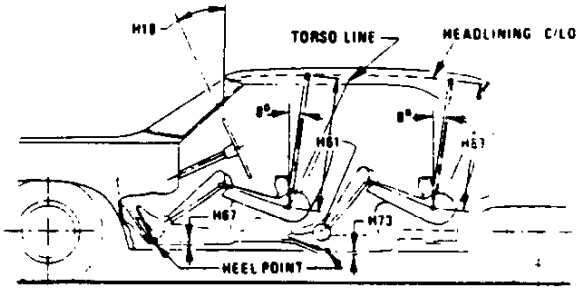


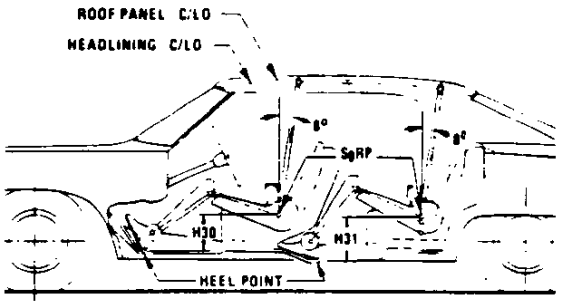
MVMA Specifications Form

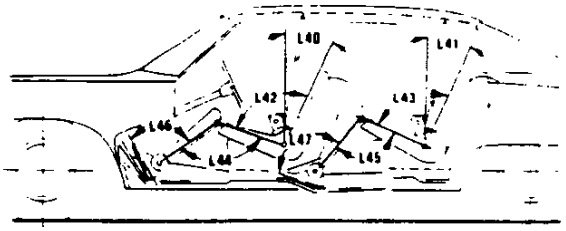
METRIC (U.S. Customary)

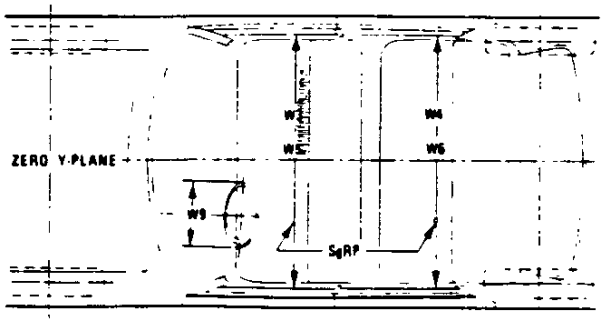
Interior Vehicle And Body Dimensions – Key Sheet

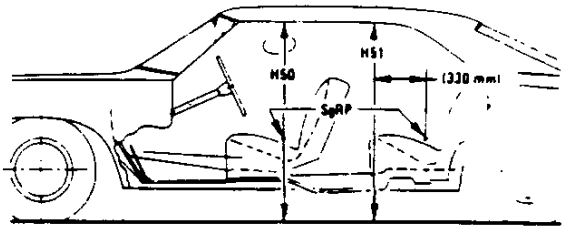






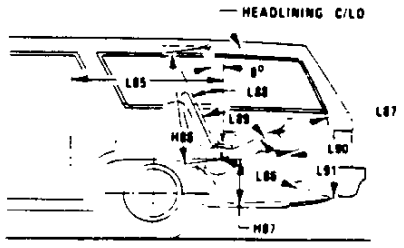


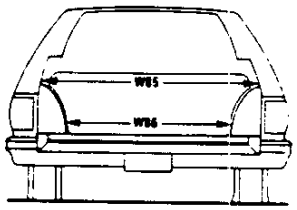




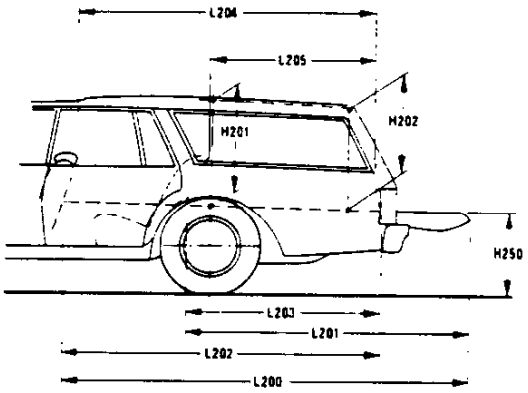
Interior Vehicle And Body Dimensions – Key Sheet

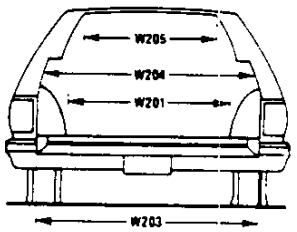
Third Seat



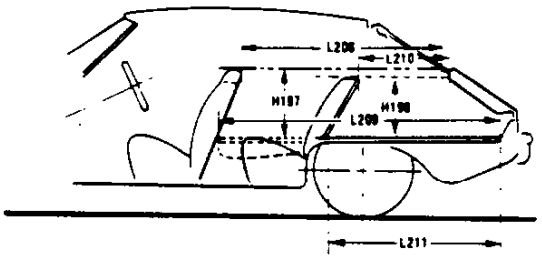


Cargo Space





Station Wagon



Hatchback

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 vertic.. the highest point on the vehicle body to ground

H111 ROCKER PANEL – REAR TO GROUND. The c 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 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.

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.

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 estiamtes 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 Interior Volume Index is an estimate of the size of the passenger compartment.

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 – 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 – 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 taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

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

L204 CARGO LENGTH AT BELT – FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane

L205 CARGO LENGTH AT BELT – SECOND. The minimum dimension measured horizontally from the back of the second seatback 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.

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.

V2 STATION WAGON

Measured in inches:

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

Measured in mm:

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

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

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

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT – HATCHBACK. 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 HATCHBACK. 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)

Index

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