MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1994

Manufacturer	Vehicle Line	
SUZUKI MOTOR CORPORATION	Geo TRACKER	
Mailing Address GENERAL MOTORS CORPORATION CHEVROLET CENTRAL OFFICE 30007 VAN DYKE WARREN, MI 48090-9065	Issued SEPTEMBER, 1993	Revised

Direct questions concerning these specifications to the manufacturer listed above.

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

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

MVMA

Motor Vehicle Manufacturers Association of the United States, Inc.

Blank Forms Provided by Technical Affairs Division

MVMA Specifications

METRIC (U.S. Customary)

Table of Contents

∅ **Indicates Format Change From Previous Year**

NOTE:

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

MVMA Specifications

Vehicle Line Geo TRACKER

Model Year 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

Vehicle Origin

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

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 Fuel Economy (City/Hwy)
Geo TRACKER Convertible (4WD) (Federal)	J10367	2/2	100 (220)	25/27, Man. 23/24, Auto.
Geo TRACKER Hardtop (4WD) (Federal)	J10316	2/2	90 (200)	25/27, Man. 23/24, Auto.
Geo TRACKER Convertible (2WD) (Federal)	E10367	2/2	180 (400)	25/27, Man. 23/24, Auto.
Geo TRACKER Convertible (4WD) (California)	J10367	2/2	100 (220)	24/26, Man. 22/24, Auto.
Geo TRACKER Hardtop (4WD) (California)	J10316	2/2	90 (200)	24/26, Man. 22/24, Auto.
Geo TRACKER Convertible (2WD) (California)	E10367	2/2	180 (400)	24/26, Man. 22/24, Auto.

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

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1994 Issued 9-93 Revised(*)

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	LS5	LS5
	Displacement Liters (cu. in.)		1.6 (97)	1.6 (97)	1.6 (97)	1.6 (97)
	Induction system (FI, Carb, etc.)		Electronic Fuel Injection	Electronic Fuel Injection	Electronic Fuel Injection	Electronic Fuel Injection
	Compression ratio		8.9:1	8.9:1	9.5:1	9.5:1
	SAE Net at RPM	Power kW (bhp)	59 (80) @ 5400	59 (80) @ 5400	70 (95) @ 5600	70 (95) @ 5600
		Torque Newton meters (lb.ft.)	127 (94) @ 3000	127 (94) @ 3000	133 (98) @ 4000	133 (98) @ 4000
	Exhaust Single, dual		Single	Single	Single	Single
TRANS	Transmission/ Transaxle		Manual Transaxle 5-Speed	Automatic Transaxle 3-Speed	Manual Transaxle 5-Speed	Automatic Transaxle 3-Speed
	Effective Final Drive/Axle Ratio (std. first)		5.12	4.62	5.12	4.30

Series Availability

Power Teams (A – B – C – D)

Model		Code	Standard	Optional
Geo TRACKER Convertible (4WD)	(Federal)	J10367	A	B
	(Calif.)	J10367	C	D
Geo TRACKER Hardtop (4WD)	(Federal)	J10316	A	B
	(Calif.)	J10316	C	D
Geo TRACKER Convertible (2WD)	(Federal)	E10367	A	B
	(Calif.)	E10367	C	D

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

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

ENGINE – GENERAL

		FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
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 CORPORATION	
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		213.8 mm (8.42 in.)	
Cylinder block length		372 mm (14.65 in.)	
Deck clearance (minimum) (above or below block)		0.9 mm (0.04 in.), Below	
Cyl. head material & mass kg (lbs.)		Aluminum Alloy, 6.9 (15.2)	7.8 (17.2)
Cylinder head volume cu. cm. (cu. in.)		32.2 (1.96)	25.5 (1.55)
Cylinder liner material		Cast Iron	
Head gasket thickness (compressed)		1.2 mm (0.05 in.)	
Minimum combustion chamber total volume cm. cu. (cu. in.)		50.6 (3.88)	46.8 (3.59)
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)	3.5 (7.7)
Exh. manifold matl & mass kg (lbs.) **		Cast Iron, 4.3 (9.5)	8.3 (18.3)
Knock sensor (number & location)		Not Applicable	
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.)	104 kg. (229 lbs.)

Engine – Pistons

Material & mass, g (weight, oz.) – piston only		Aluminum Alloy, 227 (8.0)	207 (7.3)

Engine Camshaft

Location		In Cylinder Head	
Material & mass kg (weight, lbs.)		Cast Iron, 2.1 (4.7)	1.95 (4.4)
Drive type	Chain/belt	Belt	
	Width/pitch	19.1/9.525 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:

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Engine Description
Engine Code

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

Engine – Valve System

		FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
Hydraulic lifters (std., opt., n.a.)		Not Applicable	
Valves	Number intake/exhaust	4/4	8/8
	Head O.D. intake/exhaust	36.6/32.5 mm (1.44/1.28 in.)	29.2/25.0 mm (1.15/0.98 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 injection 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 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

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

Engine – Cooling System		FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
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.)		External	
Cooling system capacity	With heater - L (qt.)	MT: 5.3 (5.6), AT: 5.2 (5.5)	
	With air conditioner-L(qt.)	Not Applicable	
	Opt. equip. 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.)	Copper & Brass, MT: 3.8 (8.4), AT: 4.2 (9.2)	
	Width	488 mm (19.21 in.)	
	Height	373 mm (14.69 in.)	
	Thickness	27 mm (1.06 in.)	
	Fins per inch	3.5 mm/2	
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Standard	
	Number of blades & type (flex, solid, material)	5, Flex, Plastic	
	Number & location (front, rear of radiator)	1, Rear of Radiator	
	Diameter & projected width	340 mm (13.39 in.) & 50 mm (1.97 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.)	Not Applicable	
	Motor rating(wattage)(elec)	"	
	Motor switch (type & location/elec.)	"	
	Switch point (temp./ pressure/elec.)	"	
	Fan shroud (material)	Plastic	

MVMA Specifications

Vehicle Line: Geo TRACKER

Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

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

Engine – Fuel System

		FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
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)	Intake Manifold (4)
	Constant, pulse, flow	Pulse Flow	
	Control (elec., mech.)	Electronic	
	Sys. press. kPa (psi)	250 (36)	284 (41)
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)	588 (85)	
	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)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	
	Location & material	
	Attachment	
	Sictr switch or valve	
	Separate fill	

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

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

Vehicle Emission Control

			FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
Exhaust Emission Control	Type (air injection, engine modifications, other)		EFI + TWC + EGR + H02S	SFI + TWC + EGR + H02S
	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)	1.8 (109)
		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 init(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

		FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
Type (single, single with cross-over, dual, other)		Single	
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)		1 (Reverse Flow), Stainless Steel	
Resonator no. & type		None	
Exhaust pipe	Branch o.d., wall thickness	FED: Inner: 35-1.2 mm (1.38-0.05 in.), Outer: 48.6-1.2 mm (1.91-0.05 in.) CAL: Inner: 35-1.2 mm (1.38-0.05 in.), Outer: 54.0-1.2 mm (2.13-0.06 in.)	
	Main o.d., wall thickness	42.7-2.0 mm (1.68-0.08 in.)	48.6-1.5 mm (1.91-0.06 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel & Aluminum Coated Steel	Stainless Steel
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	Stainless Steel
Tail pipe	o.d. & wall thickness	38.1 - 1.2 mm (1.45 - 0.05 in.)	42.7-1.2 mm (1.68-0.05 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel	

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

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

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

	FEDERAL (2 Valve)	CALIFORNIA (4 Valve)
Manual 4-speed (manufacturer/country)	Not Applicable	
Manual 5-speed (manufacturer/country)	Suzuki Motor Corporation/Japan, Std.	
Manual 6-speed (manufacturer/country)	Not Applicable	
Automatic (manufacturer/country)	Hydra-Matic, Strasbourgh, General Motors, France, Opt.	
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	0.80
	6th	Not Applicable	
	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-85, All Season, 75W-90 Available	

Clutch (Manual Transmission)

Clutch manufacturer		Daikin Clutch Corporation	
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.)		3,920	
Clutch *facing*	Facing mfgr. & matl. coding	Hitachi Chemical Co., Ltd., 2V: HN603, 4V: HN73G	
	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.)	215 x 150 mm (8.46 x 5.91 in.)
	Total eff.area sq cm(sq in)	160 (24.8)	186 (28.8)
	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 (0.051-0.075 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.

NOTE: "2V" indicates 2V engine and "4V" indicated 4V engine.

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised:

METRIC (U.S. Customary)

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

Automatic Transmission/Transaxle

FEDERAL (2 Valve) / CALIFORNIA (4 Valve)

Trade Name		3-Speed Automatic
Type and special features (describe)		Torque Converter With Planetary Gears
Shift mechanics		Hydraulic 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	2.40 (Equivalent)
	2nd	1.47 "
	3rd	1.00 "
	4th	Not Applicable
	5th	"
	6th	"
	Reverse	2.00 (Equivalent)
	Final drive ratio	2V: 4.625, 4V: 4.300
Max. upshift vehicle speed - drive range km/h (mph)		2V: 1 - 2 = 56.4 (35), 2 - 3 = 101.9 (63) 4V: 1 - 2 = 66.1 (41), 2 - 3 = 108.6 (67)
Max. upshift engine speed RPM		2V: 5750 RPM, 4V: 5700 RPM
Max. kickdown speed - drive range km/h (mph)		2V: 2 - 1 = 44.2 (27), 3 - 2 = 93.1 (58) 4V: 2 - 1 = 53.4 (33), 3 - 2 = 100.3 (62)
Min. overdrive speed km/h (mph)		Not Applicable
Torque converter	Type	3 Elements, 1 Stage, 2 Phases
	Torus design	
	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
Pump type		Gear Pump (Involute)
Lubricant	Capacity refill L (pt.)	5.1 (10.8)
	Type recommended	Dexron II-E
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 Corporation
	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)	"

NOTE: "2V" indicated 2V engine & "4V" indicated 4V engine.

* Input speed / square root of torque.
** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Engine Description
Engine Code

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

Axle Ratio and Tooth Combinations

FEDERAL (2 Valve), CALIFORNIA (4 Valve)

Effec. final drv. ratio (or overall top gear ratio)			Manual: 5.12	Automatic: 4.62 (2V),	4.3 (4V)
Trnsfr ratio and method(chain,gear,etc)			1.00 (High Range), 1.82 (Low Range), Gear		
Front drive unit	Ring gear o.d.		175.75 mm (6.92 in.)		
	No. of teeth	Pinion	8	8	10
		Ring gear	41	37	43

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 Driveshaft Inc. (NDI)
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 Corporation, 2
		Outer	NTN Corporation, 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: MacPherson Strut
Torque taken through (torque tube, arms or springs)			Diff Mounting System

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

NOTE: "2V" indicates 2V engine and "4V" indicates 4V engine.

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

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

Axle Ratio and Tooth Combinations

FEDERAL (2 Valve), CALIFORNIA (4 Valve)

Axle ratio (or overall top gear ratio)		Manual: 5.12	Automatic: 4.62 (2V),	4.3 (4V)
Ring gear o.d.		190 mm		
No. of teeth	Pinion	8	8	10
	Ring gear	41	37	43

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 4-speed transmission		Not Applicable
	Manual 5-speed transmission		Not Applicable
	Manual 6-speed transmission		
	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.)
Inter-mediate 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.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line: Geo TRACKER

Model Year: 1994 Issued: 9-93 Revised(*):

Model Code/Description And/Or Engine Code/Description

4WD MODELS	2WD MODELS

Suspension – General Including Electronic Controls

Car leveling	Std./opt./not avail.	Not Applicable	
	Manual/automatic control		
	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 Applicable	
	Manual/automatic control		
	Number of damping rates		
	Type of actuation (manual/electric motor/air, etc.)		
	Sensors: Lateral acceleration		
	Sensors: Deceleration		
	Sensors: Acceleration		
	Sensors: Road surface		
Shock absorber (front & rear)	Type	Front & Rear: Double Action Telescopic	
	Make	Frt: Showa & Sumbury Component Ind., Rr: TOKICO Mfg. Corp.& Monroe Auto Equip.	
	Piston diameter	Ft: 32 mm (1.26 in.), Rr: 25 mm (0.98 in.), Monroe: 25.4 mm (10.0 in.)	
	Rod diameter	Ft: 22 mm (0.87 in.), Rr: 12.5 mm (0.49 in.), Monroe: 12.4 mm (4.88 in.)	

Suspension – Front

Type and description		MacPherson Strut (Separate Coil Spring)	
Travel	Full jounce (define load condition)	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 (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	227 x 83 mm (8.93 x 3.27 in.)	220 x 83 mm (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,lnkless,frmless)	Link	
	Material & O.D. bar/tube, wall thickness	Steel Tube, 24.2 mm (0.95 in.), 3.0 mm (0.12 in.)	

Suspension – Rear

Type and description		Rigid Axle With Lower Trailing Arm & Upper A Shape Arm	
Travel	Full jounce (define load condition)	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 (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	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	
	If leaf: Shackle(comp or tens)	"	
Stabilizer	Type(link,lnkless,frmless)	"	
	Material & O.D. bar/tube, wall thickness		
Track bar (type)		"	

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line: Geo TRACKER

Model Year: 1994 Issued: 9-93 Revised(*):

Model Code/Description And/Or
Engine Code/Description

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 Assist	Operational speed range			Not Applicable
	Type (engine or brake intervention)			"
Antilock device	Front/rear (std., opt., n.a)			Rear, Standard
	Manufacturer			Kelsey-Hayes
	Type (electronic, mech.)			Electronic
	Number sensors or circuits			1
	No. antilock 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)				1220/470 (189/73 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)				9713
Lining clearance			F/R	Self-Adjusting/Self-Adjusting
Brake lining	Front wheel	Bonded or riveted		Bonded
		Rivet size		Not Applicable
		Manufacturer		NISSHINBO INDUSTRIES, INC.
		Lining code*****		D6654H
		Material		Resin Mold
		****	Pri.or out-brd	99 x 41.5 x 10 mm (3.90 x 1.63 x 0.39 in.)
		Size	Sec. or in-brd	99 x 41.5 x 10 mm (3.90 x 1.63 x 0.39 in.)
		Shoe thckns.(no lng)		5 mm (0.20 in.)
	Rear wheel	Bonded or riveted		Bonded
		Manufacturer		JAPAN BRAKE INDUSTRIAL CO., LTD.
		Lining code*****		JB NL85EE
		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 thckns (no lng)		2.6 mm (0.10 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: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description	4WD MODELS	2WD MODELS

Tires And Wheels (Standard)

Tires	Size (service description)		P205/75R15, M + S	P195/75R15, M + S
	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 or stud & nut)	Stud & Lug Nut	
		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)

Tire size (service description)	Not Applicable
Type (bias, radial, steel, nylon, etc.)	Not Applicable
Wheel (type & material)	Drop Center, Aluminum Alloy
Rim (size, flange type and offset)	15 x 5.5 JJ, 25 mm
Tire size (service description)	Not Applicable
Type (bias, radial, steel, nylon, etc.)	"
Wheel (type & material)	"
Rim (size, flange type and offset)	"
Tire size (service description)	"
Type (bias, radial, steel, nylon, etc.)	"
Wheel (type & material)	"
Rim (size, flange type and offset)	"
Tire size (service description)	"
Type (bias, radial, steel, nylon, etc.)	"
Wheel (type & material)	"
Rim (size, flange type and offset)	"
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	Not Applicable

Brakes – Parking

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 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

CONVERTIBLE	HARDTOP

Steering

Manual (std., opt., n.a.)				Standard
Power (std., opt., n.a.)				Optional
Speed-sensitive (std., opt., n.a.)				Not Applicable
4-wheel steering (std., opt., n.a.)				Not Applicable
Adjustable steering wheel/column (tilt, telescope, other)		Type		Tilt
		Manufacturer		Douglas Autotech Corp.
		(std., opt., n.a.)		Optional
Wheel diameter ** (W9) SAE J1100		Manual		390 mm (15.35 in.)
		Power		Optional
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		10.5 (34.44)
		Curb to curb (l. & r.)		9.8 (32.15)
	Inside 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
	Bearings (type)	Upper		Ball 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

METRIC (U.S. Customary)

Vehicle Line Geo TRACKER

Model Year 1994 Issued 9-93 Revised(*)

Model Code/Description And/Or Engine Code/Description

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-Tale 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
Wind-shield wiper	Type (standard)		Electric 2-Speed + Intermittent
	Type (optional)		Not Applicable
	Blade length		434 mm (17.09 in.)
	Swept area sq cm (sq in)		5,308 (17.09)
Wind-shield 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 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

Engine Code/Description

1.6 LITER L4 (97 CID)
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		J002T01672ZC
	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		2V: T002T53471, 4V: T002T53971

Electrical – Suppression

Locations & type	High Tension Cord With Resistor Spark Plug With Resistor

NOTE: "2V" indicates 2V engine and "4V" indicates 4V engine.

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Model Code/Description	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.)	22.1 kg (48.7 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	Bucket	
		Rear	*Bench*	Bucket
		3rd seat	Not Applicable	
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)		Front	Bucket	
		Rear	Bench	*Bucket*
		3rd seat	Not Applicable	

Frame

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

MVMA Specifications

Vehicle Line: Geo TRACKER
Model Year: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Model Code/Description	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/thickness)		Laminated Glass, 4.76 mm (0.19 in.)	
Side glass (type/thickness)		Tempered Glass, 3.5 mm (0.14 in.)	
Backlight glass (type/thickness)		Tempered Glass, 3.1 mm (0.12 in.)	
Tinted (yes/no, location)		Yes - Windshield Glass, Side Glass, Backlight Glass	
Solar control (yes/no, coated/batched, location)		No	

Headlamps

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

MVMA Specifications

Vehicle Line Geo TRACKER

Model Year 1994 Issued 9-93 Revised

METRIC (U.S. Customary)

Engine Code/Description	CONVERTIBLE	HARDTOP

Climate Control System

Air conditioning (std., opt., man., auto.)		Optional, Manual
Condenser	Type	Corrugated Fin
	Eff. face area (sq. mm.)	154,405
	Fins per inch	11.2
Evaporator	Type	Single Tank Laminated
	Eff. face area (sq. mm.)	40,300
	Fins per inch	14.5
Heater Core	Material	Copper
	Eff. face area (sq. mm.)	19,670
	Fins per inch	23.6
Compressor	Type	Swash
	Displacement (cc)	99.8
	Manufacturer	SANDEN Co.
	A/C pulley ratio	TBD
Accumulator	Type	Not Applicable
	Height (mm.)	"
	Diameter (mm.)	"
Receiver	Type	Dryer, Sight Glass, Safety Device
	Height (mm.)	187
	Diameter (mm.)	60
Refrigerant control (CCOT, TVS, etc.)		Thermostatic Expansion Valve
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R-134a
Charge level (lbs. - oz.)		1.32 lbs.
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		No

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

Model Code/Description	CONVERTIBLE	HARDTOP

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

Clock (digital, analog)		Optional, Digital, Integral With Radio	
Compass / thermometer		Not Applicable	
Console (floor, overhead)		Standard, Floor (4WD Models)	
Defroster, electric windshield		Not Applicable	
Defroster, electric 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: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Model Code/Description

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.	"
		Reclining(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 AM/FM, ETR, Stereo With Cassette Tape Deck & CD
	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: 1994 Issued: 9-93 Revised(*):

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

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

Model Code/Description		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	15.5	
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)	PO1,2,3	2/2 **	
Trunk/cargo load		1,595 (62.79) **	
Vehicle height	H101	4WD: 1,654 (65.12), 2WD: 1,633 (64.29)	
Cowl point to ground	H114	4WD: 1,103 (43.43), 2WD: 1,083 (42.64)	
Deck point to ground	H138	---	
Rocker panel-front to ground	H112	4WD: 292 (11.50), 2WD: 272 (10.71)	
Rocker panel-rear to ground	H111	4WD: 309 (12.17), 2WD: 289 (11.38)	
Windshield slope angle (deg.)	H122	45.0	
Backlight slope angle (deg.)	H121	26	15
Ground Clearance **			
Front bumper to ground	H102	4WD: 327 (12.87), 2WD: 307 (12.09)	
Rear bumper to ground	H104	4WD: 325 (12.80) 2WD: 305 (12.01)	332 (13.07)
Bumper to ground front at curb mass (wt.)	H103	4WD: 333 (13.11), 2WD: 314 (12.36)	
Bumper to ground rear at curb mass (wt.)	H105	4WD: 342 (13.46), 2WD: 315 (12.40)	
Angle of approach (deg.)	H106	4WD: 40, 2WD: 37	
Angle of departure (deg.)	H107	4WD: 40, 2WD: 38	
Ramp breakover angle (deg.)	H147	4WD: 23, 2WD: 21	
Axle differential to ground (front/rear)	H153	4WD: 215/200 (8.46/7.87), 2WD: 193 (7.60)	
Min. running ground clearance	H156	4WD: 200 (7.87), 2WD: 193 (7.60)	
Location of min. run. grd. clear.		Rear 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 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for Definitions

Model Code/Description		CONVERTIBLE	HARDTOP
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	1,069 (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	4WD: 1,573 (61.93), 2WD: 1,553 (61.14)	
Steering wheel maximum diameter*	W9	390 (15.35)	
Steering wheel angle (deg.)	H18	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	H87	15 (0.59)	

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	Not Applicable
* Liftover height	H195	687 (27.05)

Interior Volumes (EPA Classification)

Vehicle class		Special Purpose Vehicle
Interior volume index (cu. ft.)***		117.3
Trunk / cargo index (cu. ft.)		32.9

* 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 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Model Code/Description		CONVERTIBLE	HARDTOP
Station Wagon / MPV – Third Seat**	**SAE Ref. No.**	(NOT APPLICABLE)	
Seat facing direction	SD1		
SgRP couple distance	L65		
Shoulder room	W65		
Hip Room	W66		
Effective leg room	L66		
Effective head room	H66		
SgRP to heel point	H67		
Knee clearance	L67		
Back angle (deg.)	L68		
Hip angle (deg.)	L69		
Knee angle (deg.)	L90		
Foot angle (deg.)	L91		

Station Wagon / MPV** 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	4WD: 690 (27.17), 2WD: 670 (26.38)	
Front seat back to load floor height	H197	750 (29.53)	
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	0.23 (8.11)	
Cargo volume index**	V6	932 liters	
Cargo width at floor**	W500	1,280 (50.39)	
Maximum cargo height**	H505	1030 (40.55)	

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

** MPV - Multipurpose Vehicle

All Linear Dimensions Are In Millimeters (Inches)

MVMA Specifications

Vehicle Line Geo TRACKER
Model Year 1994 Issued 9-93 Revised(*)

METRIC (U.S. Customary)

Model Code/ Description	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 17 mm Dia. Hole On "Reinforcement Side Frame Center End".
NOTE: Provide 3 of 4 Fiducial Mark Locations		
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.
** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.
*** **EPA Loaded Vehicle Weight, Loading Conditions**
All Linear Dimensions Are In Millimeters (Inches)

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line: Geo TRACKER

Model Year: 1994 Issued: 9-93 Revised:

Code / Model	VEHICLE MASS (weight)					% PASS MASS DISTRIBUTION			
	CURB MASS, kg. (lb.)*			SHIPPING MASS kg (lb) ***	ETWC** Code	PASS IN FRONT		PASS IN REAR	
	Front	Rear	Total			Front	Rear	Front	Rear
Geo TRACKER (J10367) (Federal) Convertible, 4WD, Base, M/T	590 (1298)	485 (1067)	1075 (2365)	1046 (2301)	N	34	66	2	98
Geo TRACKER (J10316) (Federal) Hardtop, 4WD, Base, M/T	590 (1298)	495 (1089)	1085 (2387)	1056 (2323)	N	34	66	2	98
Geo TRACKER (E10367) (Federal) Convertible, 2WD, Base, M/T	520 (1144)	475 (1045)	995 (2189)	966 (2125)	M	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	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:
29 (64)

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Geo TRACKER

Model Year 1994 Issued 9-93 Revised(*)

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	0.8 (1.8)	4.2 (9.3)	5.0 (11.1)	
	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)	
	4 Valve Engine (For California)	13.0 (28.6)	2.0 (4.4)	15.0 (33.0)	
	Power Steering	8.0 (17.6)	0 (0)	8.0 (17.6)	

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