

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1994

Manufacturer Mitsubishi Motors Corporation	Vehicle Line Mitsubishi 3000 GT	
Mailing Address 33-8, Shiba 5-chome, Minato-ku, Tokyo, 108, Japan	Issued 1993-7	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 suggested 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.

Forms Provided by Technical Affairs Division

MVMA Specifications

METRIC (U.S. Customary)

Table of Contents

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

NOTE:

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

METRIC (U.S. Customary)

Vehicle Line Mitsubishi 3000 GT
Model Year 1994 Issued 1993-7 Revised (+) _____

Design & development (company)	Mitsubishi Motors Corporation
Where built (country)	Japan
Authorized U.S. sales marketing representative	Mitsubishi Motors Sales of America Inc.

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
2 DOOR Coupe (FWD)		Z11AMNXML 2M/7M Z11AMRXML 2M/7M Z11AMNPML 2M/7M Z11AMRPML 2M/7M	4 (2/2)	28 Kg (62 lb)	19/25 18/24 19/25 18/24
2 DOOR Coupe (AWD)		Z16AMJGFL 2M/7M	4 (2/2)	28 Kg (62 lb)	18/24

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*)

METRIC (U.S. Customary)

Engine Description
 Engine Code

6G72
DOHC N.A.
DOHC T/C

ENGINE - GENERAL

		MT	AT	MT
Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		V60°, Front Transverse		
Manufacturer		Mitsubishi Motors Corp.		
No. of cylinders		6		
Bore		91.1		
Stroke		76		
Bore spacing (C / L to C / L)		108		
Cylinder block material & mass kg (lbs.) (machined)		Cast iron, 47.0 (103.6)		
Cylinder block deck height		210.5		
Cylinder block length		384		
Deck clearance (minimum) (above or below block)		0		
Cylinder head material & mass kg (lbs.)		Aluminum alloy, 10.6 (23.4) X 2		
Cylinder head volume cm³ (inches³)		47.2		
Cylinder liner material		N.A.		
Head gasket thickness (compressed)		1.28...FED, 1.33...CALIF	1.33	
Minimum combustion chamber total volume cm³ (inches³)		55.0	70.7	
Cyl. no. system (front to rear)*	L. Bank	2-4-6		
	R. Bank	1-3-5		
Firing order		1-2-3-4-5-6		
Intake manifold material & mass kg (lbs.)**		Aluminum alloy 6.7(14.7)...FED, 6.7(14.7)...CALIF.	Aluminum alloy 6.3(12.3)	
Exhaust manifold material & mass kg (lbs.)**		Cast iron R:4.2 (9.2) L:4.6 (10.1)	R:Stainless...Steel Tube 2.75(6.06) L:Cast iron 2.7(5.9)	
Knock sensor (number & location)		1, V-Bank		
Fuel required unleaded, diesel, etc.		Unleaded		
Fuel antiknock index (R + M) ÷ 2		No less than 91		
Engine mounts	Quantity	4		
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Rubber, Elastomeric and Hydroelastic		
	Added isolation (sub-frame, crossmember, etc.)	Crossmember		
Total dressed engine mass (wt) dry***		180	173	198

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum alloy, 397 (14.0)	Aluminum alloy, 382 (13.5)
--	----------------------------	----------------------------

Engine - Camshaft

Location	Above each IN. and EX.valve on cylinder head		
Material & mass kg (weight, lbs.)	Cast iron, Right, IN.:1.6 (3.5), EX.:Same with IN. Left, IN.:1.8 (4.0), EX.:Same with IN.		
Drive type	Chain / belt	Belt	
	Width / pitch	32/8.000	

* 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 Mitsubishi 3000GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

6G72
DOHC N.A.
DOHC T/C

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Std.
Valves	Number intake / exhaust
	12/12
	Head O.D. intake / exhaust
	35/30.5

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Drop-forged steel, 0.640 (1.41)
Length (axes C/L to C/L)	141

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Drop-forged steel, 16.9 (37.3)
End thrust taken by bearing (no.)	3
Length & number of main bearings	18, 4
Seal (material, one, two piece design, etc.)	Front
	Synthetic rubber, One piece
	Rear
	Synthetic rubber, One Piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	280 (40.6) at 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	4.0 (3.5)

Engine - Diesel Information

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

Engine - Intake System

Turbo charger - manufacturer	N.A.	Mitsubishi Heavy Industries Ltd.
Super charger - manufacturer	N.A.	
Intercooler	N.A.	Std.

* Finished State

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (•) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

6G72	
DOHC N.A.	DOHC T/C

Engine – Cooling System

		MT	AT	MT
Coolant recovery system (std., opt., n.a.)		Std.		
Coolant fill location (rad., bottle)		Bottle		
Radiator cap relief valve pressure kPa (psi)		88 (12.8)		
Circulation thermostat	Type (choke, bypass)	Choke pellet		
	Starts to open at °C (°F)	76.5 (169.7)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	-		
	Number of pumps	1		
	Drive (V-belt, other)	Timing Belt		
	Bearing type	Roller and Ball. integral shaft. Permanently sealed		
	Impeller material	Cold-rolled carbon steel sheet		
	Housing material	Aluminum die casting		
By-pass recirculation type (inter., ext.)		External		
Cooling system capacity	With heater – L(qt.)	8.5		9.0
	With air conditioner – L(qt.)	8.5		9.0
	Opt. equipment specify – L(qt.)	N.A.		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Water jackets open at head face (yes, no)		No		
Radiator core	Std., A/C, HD	Std. A/C		
	Type (cross-flow, etc.)	down-flow		
	Construction (fin & tube mechanical, braze, etc.)	Tube and Corrugated Fin Brazed		
	Material, mass kg (wt., lbs.)	Brass and Copper MT:6.5Kg AT:8.6Kg Brass and Copper 8.6Kg		
	Width	718.4		
	Height	375		
	Thickness	16		27
Radiator end tank material	Fins per inch	20		17
	Std., elec., opt.	Plastic		
		Elec.		
	Number of blades & type (flex, solid, material)	4		
	Number & location (front, rear of radiator)	1 (Rear of Radiator)		
	Diameter & projected width	360		
	Ratio (fan to crankshaft rev.)	N.A.		
Fan	Fan cutout type	N.A.		
	Drive type (direct, remote)	N.A.		
	RPM at idle (elec.)	2100		2050
	Motor rating (wattage/elec.)	120W		160W
	Motor switch (type & location/elec.)	Thermo Switch, Rad		
	Switch point (temp./pressure/elec.)	78°C – 85°C		
	Fan shroud (material)	Plastic		

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (-) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

6G72
DOHC N.A.
DOHC T/C

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injector	
Manufacturer		NIPPON INJECTOR Co., Ltd.	
Carburetor no. of barrels		-	
Idle A/F mix.		14.7	
Fuel injection	Point of injection (no.)	Inlet port (6)	
	Constant, pulse, flow	6.07mm ³ /2.5msec	6.48mm ³ /1.8msec
	Control (electronic, mech.)	Electronic	
	System pressure kPa (psi)	329 (47.6)	294 (42.7)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	700	
	Automatic	700 (D:650)	-
Intake manifold heat control (exhaust or water thermostatic or fixed)		N.A.	
Air cleaner type		Dry, non-woven cloth	
Fuel filter (type/location)		Paper, Engine room	
Fuel pump	Type (elec. or mech.)	Electric	
	Location (eng., tank)	In tank	
	Pressure range kPa (psi)	Max 637 (93)	
	Flow rate at regulated pressure L (gal)/hr (or kPa (psi))	80 (21.2) @ 294 (43)	150(39.6) @ 294(43)

Fuel Tank

Capacity refill L (gallons)		75 (19.8)
Location (describe)		Under trunk floor
Attachment		Bolts and Nuts
Material & Mass kg (weight lbs.)		Steel, 17.9 (39.47)
Filler pipe	Location & material	Right side rear quarter panel, Steel
	Connection to tank	Rubber hose
Fuel line (material)		Steel pipe
Fuel hose (material)		Rubber hose
Return line (material)		Steel pipe
Vapor line (material)		Steel pipe
Extended range tank	Opt., n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt., n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
	Separate fill	N.A.

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

6G72	
DOHC N.A.	DOHC T/C

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Exhaust gas recirculation (For CALIF. only)		Exhaust gas recirculation	
	Air Injection	Pump or pulse	N.A.			
		Driven by	N.A.			
		Air distribution (head, manifold, etc.)	N.A.			
		Point of entry	N.A.			
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled flow			
		Exhaust source	Exhaust Manifold (Left)		Exhaust Pipe (Left)	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold			
	Catalytic Converter	Type	Three-Way			
		Number of	3			
		Location(s)	under floorX1, Front pipeX2			
		Volume L (in³)	2 (122)x1, 0.7 (43)x2		2 (122)x1, 0.7 (43)x1, 0.5 (30.5)x1	
		Substrate type	Monolith			
		Noble metal type	-			
		Noble metal concentration (g/cm³)	-			
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction system			
	Energy source (manifold vacuum, carburetor, other)		Intake manifold vacuum			
	Discharges to (intake manifold, other)		To intake manifold			
	Air inlet (breather cap, other)		Air intake hose			
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister			
		Carburetor	-			
	Vapor storage provision		Canister			
Electronic system	Closed loop (yes/no)		Yes			
	Open loop (yes/no)		Yes			

Engine - Exhaust System

		DOHC N.A.	DOHC T/C
Type (single, single with cross-over, dual, other)		Other	Other
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)		1 (Straight thru) Stainless steel, 7.51 (16.5)	1 (Straight thru) Stainless steel, 7.85 (17.3)
Resonator no. & type		3 (Straight thru), Stainless steel, 5.05 (11.1)	1 (Straight thru), Stainless steel, 1.4 (3.1)
Exhaust pipe	Branch o.d., wall thickness	54 x 2.0 (Dual)	54 x 2.0 (Dual)
	Main o.d., wall thickness	54 x 1.5	65 x 1.5
	Material & Mass kg (weight lbs)	Stainless steel tube, 5.26(11.6)	Stainless steel tube, 5.51(12.1)
Inter-mediate pipe	o.d. & wall thickness	60.5 x 1.5	75 x 1.5, 60.5 x 1.5
	Material & Mass kg (weight lbs)	Stainless steel tube, 9.19 (20.2)	Stainless steel tube, 11.74 (25.8)
Tail pipe	o.d. & wall thickness	42.7 x 1.2 (Dual x 2)	42.7 x 1.2 (Dual x 2)
	Material & Mass kg (weight lbs)	Stainless steel tube, 1.6 (3.5)	Stainless steel tube, 1.6 (3.5)

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (+) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

6G72	
DOHC N.A.	DOHC T/C

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

Manual 4-speed (manufacturer/country)	N.A.	
Manual 5-speed (manufacturer/country)	Std.Mitsubishi Motors Corp./Japan	GETRAG/U.S.A
Manual 6-speed (manufacturer/country)	N.A.	
Automatic (manufacturer/country)	N.A.	
Automatic overdrive (manufacturer/country)	Std.Mitsubishi Motors Corp./Japan	N.A.

Manual Transmission/Transaxle

Number of forward speeds		5	6
Gear ratios	1st	3.090	3.266
	2nd	1.833	1.904
	3rd	1.217	1.241
	4th	0.888	0.918
	5th	0.741	0.733
	6th	-	0.589
	Reverse	3.166	3.153
Synchronous meshing (specify gears)		1,2,3,4,5,R1,2,3,4,5,R	1,2,3,4,5,6,R
Shift lever location		Floor	
Trans. case mat'l. & mass kg (lbs)*		Aluminum alloy, 12.2 (26.9)	Aluminum alloy, 13.7(30.2)
Lubricant	Capacity L (pt.)	2.0 (4.2)	T/M:2.4(5.5), T/F:0.6(0.57)
	Type recommended	Multipurpose gear oil conforming to API GL-4	

Clutch (Manual Transmission)

Clutch manufacturer		Daikin Manufacturing Co., Ltd.	
Clutch type (dry, wet; single, multiple disc)		Dry single plate	
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic	
Max. pedal effort (nom. spring load) N (lbs)	Depressed	118 (26)	127.4 (28.7)
	Released	73.5 (16.5)	78.4 (17.6)
Assist (spring, power/percent, nominal)		Spring	Booster
Type pressure plate springs		Diaphragm	
Total spring load (nominal) N (lbs)		6178 (1389)	9022 (2030)
Clutch facing	Facing mfr. & material coding	Nisshin Industries, Inc.	
	Facing material & construction	Semi-mold (Non-Asbestos)	
	Rivets per facing	16	32
	Outside x inside dia. (nominal)	225 x 150	250 x 160
	Total eff. area cm ² (in. ²)	442 (68.5)	578 (89.8)
	Thickness (pressure plate side:fly wheel side)	3.5/3.5	3.8/3.5
	Rivet depth (pressure plate side:fly wheel side)	1.3/1.3	1.9/1.6
	Engagement cushion method	Flat-wave spring	
Release bearing type & method lub.		Ball bearing, permanently lubricated	
Torsional damping method, springs, hysteresis		Damper rubbers-coil springs and Friction washers	Coil Springs and Friction Washers

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (+) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

Z11A, Z16A

Automatic Transmission/Transaxle

Trade Name		Mitsubishi Motors Corp. F4A33
Type and special features (describe)		Torque converter with automatically operated planetary gear Transmission Electronic control F4A33
Shift mechanics		Electronic control
Gear selector	Location (column, floor, other)	Lever: Console mounted
	Ltr./No. designation (e.g. PRND21)	P,R,N,D,2L/6
	Shift interlock (yes, no, describe)	Yes, Shift lock with key inter lock
Gear ratios	1st	2.551
	2nd	1.488
	3rd	1.000
	4th	0.685
	Reverse	2.176
Final drive ratio		3.958
Max. upshift vehicle speed - drive range km/h (mph) *		1-2 67/57 (42/36), 2-3 126/126 (79/79), 3-4 177/177 (111/111)
Max. upshift engine speed RPM *		1-2 6400/5500 2-3 6400/6400 3-4 6000/6000
Max. kickdown speed - drive range km / h (mph)		2-1 47/36 (29/23), 3-2 113/113 (71/71), 4-3 160/160 (100/100)
Min. overdrive speed km / h (mph)		30 (19)
Torque converter	Type	3-Element, 1-Stage, 2Phase Torque converter with lookup clutch
	Torus design	Ellipse type
	Number of elements	3
	Max. ratio at stall	1.7 : 1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	260
	Capacity factor "K"	191
Pump type		Gear pump
Lubricant	Capacity refill L (pt.)	7.5 (15.9)
	Type recommended	DIAMOND ATF SP or equivalent
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Std. External liquid, Opt. External liquid +Air
Transmission mass kg (lbs) & case material**		16.7 (36.8), Aluminum Alloy

*:Power/Economy

All Wheel / 4 Wheel Drive

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		Full-Time
Transfer case	Manufacturer and model	GETRAG
	Type and location	-
Low-range gear ratio		-
System disconnect (describe)		-
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	Planetary with viscous bias
	Torque split (% front/rear)	45/55

* Input speed + $\sqrt{\text{Torque}}$

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT

Model Year 1994 Issued 1993-7 Revised (-)

METRIC (U.S. Customary)

Engine Description
Engine Code

Z11A

Z16A

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

Effective final drive ratio (or overall top gear ratio)			3.437	3.222	3.166
Transfer ratio and method (chain, gear, etc.)			-		
Front drive unit	Ring gear o.d.		187.7	195.7	191.3
	No. of teeth	Pinion	16	18	18
		Ring gear	55	58	57
			MT	AT	

Front Drive Unit

Description (integral to trans., etc.)		Separable
Limited slip differential (type)		-
Drive pinion	Type	-
	Offset	-
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Double row angular contact bearing Taper Roller
Lubricant	Capacity L (pt.)	Refer to transmission Spec.
	Type recommended	Refer to transmission Spec.

Axle Shafts – Front Wheel Drive

Manufacturer and number used			NTN Co.,Ltd.	
Type (straight, solid bar, tubular, etc.)		Left	Straight bar	
		Right	Straight bar	
Outer diam. x length* x wall thickness	Manual transaxle	Left	26 X 417	26 X 419
		Right	26 X 405	26 X 391
	Automatic transaxle	Left	26 X 417	-
		Right	26 X 393	-
	Optional transaxle	Left	-	-
		Right	-	-
Slip yoke	Type		None	
	Number of teeth		-	
	Spline o.d.		-	
Universal joints	Make and mfg. no.	Inner	NTN Co.,Ltd.	
		Outer	NTN Co.,Ltd.	
	Number used		2 x 2	
	Type, size, plunge	Inner	C.V. joint	
		Outer	C.V. joint	
	Attach (u-bolt, clamp, etc)		-	
	Bearing	Type (plain, anti-friction)	-	
		Lubrication (fitting, prepack)	-	
Drive taken through (torque tube, arms or springs)			Lower arm and strut	
Torque taken through (torque tube, arms or springs)			Lower arm and strut	

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

Z16A

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

Axle ratio (or overall top gear ratio)		3.307
Ring gear o.d.		184.01
No. of teeth	Pinion	13
	Ring gear	43

Rear Axle Unit

Description		Separable
Limited slip differential (type)		V.C.U. Type
Drive pinion	Type	Hypoid
	Offset	30
No. of differential pinions		4
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Ball Bearing
Lubricant	Capacity L (pt.)	1.1 (2.3)
	Type recommended	Multipurpose gear oil, conforming to API GL-5

Propeller Shaft – Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Mitsubishi Motors Corp.,Straight tube		
Outer diam. x length* x wall thickness	Manual 4-speed transmission		-		
	Manual 5-speed transmission				
	Manual 6-speed transmission		FRONT 65x698.5x1.6	CENTER 65x662.5x1.6	REAR 63.5x555.5x2.3(tube in tube) 75 1.6
	Overdrive		-		
	Automatic transmission		-		
Inter- mediate bearing	Type (plain, anti-friction)		Anti-friction (Ball Bearing)		
	Lubrication (fitting, prepack)		Prepack		
Slip yoke	Type		Sliding yoke (Spline)		
	Number of teeth		25 (26 indexed)		
	Spline o.d.		29.29		
Universal joints	Make and mfg. no.	Front	Mitsubishi Motor Corp. (Bearing: Koyo Seiko Co.)		
		Rear	Mitsubishi Motoe Corp. (Bearing: Koyo Seiko Co.)		
	Number used		3	1	
	Type (ball and trunnion, cross)		Cross (Fooks Joint)		C.V.Joint
	Rear attach (u-bolt, clamp, etc)		Clamp		-
	Bearing	Type (plain, anti-friction)	Anti-friction (Needle bearing)		-
		Lubrication (fitting, prepack)	Prepack		-
Drive taken through (torque tube, arms or springs)			Control arms		
Torque taken through (torque tube, arms or springs)			Diff gear mounting system or Control arms		

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (-) _____

METRIC (U.S. Customary)

Model Code Description And Or
 Engine Code Description

Z11A				Z16A
MNXML	MPXML	MNPML	MRPML	

Suspension – General Including Electronic Controls

Car leveling	Standard optional/not avail.	N.A.	
	Manual automatic control	N.A.	
	Type (air hydraulic)	N.A.	
	Primary assist spring	N.A.	
	Rear only 4 wheel leveling	N.A.	
	Single dual rate spring	N.A.	
	Single dual ride heights	N.A.	
	Provision for jacking	N.A.	
Shock absorber damping controls	Standard option not avail.	Opt.	Std.
	Manual automatic control	Automatic Control	
	Number of damping rates	3	
	Type of actuation (manual/ electric motor/air, etc.)	Electric motor	
	s e n s o r s		
	Lateral acceleration	1	
	Deceleration	1	
	Acceleration	1	
Shock absorber (front & rear)	Road surface	-	
	Type	Front: Strut type, Rear: Telescopic type	
	Make	Kayaba Industry Co., Ltd. and Atsugi Unisia Co., Ltd.	
	Piston diameter	Front: 35, Rear: 30 (mm)	
	Rod diameter	Front: 25, Rear: 20 (mm)	

Suspension – Front

Type and description		Independent strut type				
Travel	Full jounce (define load condition)	83				(mm)
	Full rebound	85				(mm)
Spring	Type (coil, leaf, other & material)	Coil / Spring Steel				
	Insulators (type & material)	Rubber Pad				
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	322.5, 170	331, 170	322.5, 170	331, 170	301.5, 170
	Spring rate [N/mm (lb./in.)]	29.7 (166.3)				38.5 (215.6)
	Rate at wheel [N/mm (lb./in.)]	26.5 (148.4)				34.5 (193.2)
Stabilizer	Type (link, linkless, frameless)	Link				
	Material & O.D. bar/tube, wall thickness	Spring Steel				Spring Steel

Suspension – Rear

Type and description			Multi Link type		Double wishbone type	
Travel	Full jounce (define load condition)		110		(mm)	
	Full rebound		75		(mm)	
Spring	Type (coil, leaf, other & material)		Coil/Spring Steel			
	Size (Leaf: length & width; Coil: design height & I.d.; Bar: length & diameter)		350, 106.3 or 350, 116.6		379, 116.5	
	Spring rate [N/mm (lb./in.)]		34.3 (196.4)		27.4 (157.1)	
	Rate at wheel [N/mm (lb./in.)]		24.4 (139.7)		23.6 (135.4)	
	Insulators (type & material)		Rubber Pad			
	If leaf	No. of leaves	-			
		Shackle (comp. or tens.)	-			
Stabilizer	Type (link, linkless, frameless)		Link			
	Material & O.D. bar/tube, wall thickness		S48CV, 10		S48CV, 22 (mm)	
Track bar (type)						

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
Model Year 1994 Issued 1993-7 Revised (-)

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

Z11A	
MNXML, MRXML	MNPML, MRPML

Brakes - Service

Description			-
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		AKEBONO Brake Industry Co.,Ltd., Disc
	Rear (disc or drum)		AKEBONO Brake Industry Co.,Ltd., Disc
Valving type (proportion, delay, metering, other)			Proportion valve
Power brake (std., opt., n.a.)			Std.
Booster type (remote, integral, vac., hyd., etc.)			Integral
Vacuum	Source (inline, pump, etc.)		Inline
	Reservoir (volume in. ³)		-
	Pump-type (elec, gear driven, belt driven)		-
Traction assist	Operational speed range		-
	Type (engine or brake intervention)		-
Anti-lock device	Front / rear (std., opt., n.a.)		Opt.(Front and Rear wheel) Std.(Front and Rear wheel)
	Manufacturer		Nippon ABS, Ltd.
	Type (electronic, mech.)		Electronic
	Number sensors or circuits		4 sensors
	Number anti-lock hydraulic circuits		3 channels
	Integral or add-on system		Add on
	Yaw control (yes, no)		No
	Hydraulic power source (elec., vac. mtr., pwr. strg.)		Elec.
Effective area cm ² (in. ²)*			F: 221 (34.3) / R: 118 (18.3)
Gross Lining area cm ² (in. ²)*(F/R)			F: 227 (35.2) / R: 122 (18.9)
Swept area cm ² (in. ²)*(F/R)			F: 1329 (206.0) / R: 995 (154.3)
Rotor	Outerworking diameter	F/R	F: 274 / R: 264 (mm)
	Inner working diameter	F/R	F: 181 / R: 195 (mm)
	Thickness	F/R	F: 24 / R: 18 (mm)
	Material & type (vented/solid)	F/R	F: Cast iron vented / R: Cast iron vented
Drum	Diameter & width	F/R	-
	Type and material	F/R	-
Wheel cylinder bore			F: 42.86 X 2 / R: 34.93 (mm)
Master cylinder	Bore/stroke	F/R	Bore:25.40, Stroke:Pry=13, Sdy=15 Bore:26.99, Stroke:Pry=13, Sdy=15 (mm)
Pedal arc ratio			4.0
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			10755(1561) 11396(1654)
Lining clearance			F:No major adjustment required / R:No major adjustment required
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Boneded
		Rivet size	-
		Manufacturer	AKEBONO Brake Industry Co.,Ltd.
		Lining code*****	AK NS153H EF
		Material	Molded
		**** Primary or out-board	133.8 X 41.3 X 10 (mm)
		Size Secondary or in-board	133.8 X 41.3 X 10 (mm)
		Shoe thickness (no lining)	6.0 (mm)
	Rear wheel	Bonded or riveted (rivets/seg.)	Boneded
		Manufacturer	AKEBONO Brake Industry Co.,Ltd.
		Lining code*****	AK NS137H EE
		Material	Molded
		**** Primary or out-board	92.8 X 31.9 X 10 (mm)
		Size Secondary or in-board	92.8 X 31.9 X 10 (mm)
		Shoe thickness (no lining)	5.5 (mm)

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
Model Year 1994 Issued 1993-7 Revised (*)

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

Z16A

Brakes - Service

Description			-		
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)	Sumitomo Electric Industries Co., Ltd., Disc		
		Rear (disc or drum)	Sumitomo Electric Industries Co., Ltd., Disc		
Valving type (proportion, delay, metering, other)			Proportion valve		
Power brake (std., opt., n.a.)			Std.		
Booster type (remote, integral, vac., hyd., etc.)			Integral		
Vacuum	Source (inline, pump, etc.)		Inline		
	Reservoir (volume in. ³)		-		
	Pump-type (elec, gear driven, belt driven)		-		
Traction assist	Operational speed range		-		
	Type (engine or brake intervention)		-		
Anti-lock device	Front / rear (std., opt., n.a.)		Std. (Front and Rear wheel)		
	Manufacturer		Nippon ABS Ltd.		
	Type (electronic, mech.)		Electronic		
	Number sensors or circuits		4 sensors		
	Number anti-lock hydraulic circuits		2 channels		
	Integral or add-on system		Add-on		
	Yaw control (yes, no)		No		
	Hydraulic power source (elec., vac. mtr., pwr. strg.)		Elec.		
Effective area cm ² (in. ²)*			F: 204 (31.6) / R: 130 (20.2)		
Gross Lining area cm ² (in. ²)*(F/R)			F: 209 (32.4) / R: 135 (20.9)		
Swept area cm ² (in. ²)*(F/R)			F: 1666 (258.3) / R: 1388 (215.1)		
Rotor	Outerworking diameter	F/R	F: 311 / R: 295 (mm)		
	Inner working diameter	F/R	F: 209 / R: 207 (mm)		
	Thickness	F/R	F: 30 / R: 20 (mm)		
	Material & type (vented/solid)	F/R	F: Cast iron vented / R: Cast iron vented		
Drum	Diameter & width	F/R	-		
	Type and material	F/R	-		
Wheel cylinder bore			F: 40.45 + 42.85 / R: 38.18 (mm)		
Master cylinder	Bore/stroke	F/R	Bore : 26.99, Stroke : 13, Sdy=15 (mm)		
Pedal arc ratio			4.0		
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			11396 (1654)		
Lining clearance			F: No major adjustment required / R: No major adjustment required		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonoded	
		Rivet size		-	
		Manufacturer		AKEBONO Brake Industry Co., Ltd.	
		Lining code*****		AK NS146H FF	
		Material		Molded	
		****	Primary or out-board	116 X 44.0 X 10 (mm)	
		Size	Secondary or in-board	116 X 44.0 X 10 (mm)	
		Shoe thickness (no lining)		5.0 (mm)	
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonoded	
		Manufacturer		Sumitomo Electric Industries Co., Ltd.	
		Lining code*****		SUMITOMO M9230FF	
		Material		Molded	
		****	Primary or out-board	80 X 40.6 X 11 (mm)	
		Size	Secondary or in-board	80 X 40.6 X 11 (mm)	
		Shoe thickness (no lining)		5.0 (mm)	

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (+) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

Z11A	Z16A
------	------

Tires And Wheels (Standard)

Tires	Size (service description)		225/55 R16 93V	245/45 ZR17
	Type (bias, radial, steel, nylon, etc.)		Radial, Steel	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220 (32)	
		Rear kPa (psi)	200 (29)	
	Rev./mile-at 70 km/h (45 mph)		835	809
Wheels	Type & material		Disc. Aluminum	
	Rim (size & flange type)		16 X 8JJ	17 X 8 1/2J
	Wheel offset		46	
	Attachment	Type (bolt or stud & nut)	stud	
		Circle diameter	114.3	
Number & size		5, M12 x 1.5 (Metric)		
Spare	Tire and wheel		T125/90D16, High pressure tire	T135/80D17, High pressure tire
	Storage position & location (describe)		Luggage room	

Tires And Wheels (Optional)

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

Brakes — Parking

Type of control		One handle, Hand-operated	
Location of control		Between front seats	
Operates on		Rear wheels	
If separate from service brakes	Type (internal or external)	Internal	
	Drum diameter	168	(mm)
	Lining size (length x width x thickness)	145 X 30 X 2.8	(mm)

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (+) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

Z11A	Z16A
------	------

Steering

Manual (std., opt., n.a.)			N.A.		
Power (std., opt., n.a.)			Std.		
Speed-sensitive (std., opt., n.a.)			N.A.		
4-wheel steering (std., opt., n.a.)			N.A.	Std.	
Adjustable steering wheel/column (tilt, telescope, other)	Type		Tilt		
	Manufacturer		Koyo Seiko Co.,Ltd.		
	(std., opt., n.a.)		Std.		
Wheel diameter** (W9) SAE J1100		Manual	-		
		Power	385		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.1 (39.7)	12.5 (41.0)	
		Curb to curb (l. & r.)	11.4 (37.4)	11.8 (38.7)	
	Inside rear	Wall to wall (l. & r.)	6.9 (22.6)	7.3 (23.9)	
		Curb to curb (l. & r.)	7.1 (23.3)	7.5 (24.6)	
Scrub Radius*			-10.0		
Manual	Gear	Type	N.A.		
		Manufacturer		N.A.	
		Ratios	Gear	N.A.	
			Overall	N.A.	
	No. wheel turns (stop to stop)		N.A.		
Power	Type (coaxial, elec., hyd., etc.)		Integral		
	Manufacturer		Koyo Seiko Co.,Ltd.		
	Gear	Type	Rack and Pinion		
		Ratios	Gear	-	
			Overall	16.95	15.26
	Pump (drive)		V-ribbed belt		
	No. wheel turns (stop to stop)		2.8	2.4	
Linkage	Type		Trailing, equal length tie rods		
	Location (front or rear of wheels, other)		Rear		
	Tie rods (one or two)		Two		
Steering axis	Inclination at camber (deg.)		14°02'		
	Bearings (type)	Upper	Ball bearing		
		Lower	Ball joint		
		Thrust	N.A.		
Steering spindle knuckle & joint type			Ball		

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

** See Page 23.

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

Z11A		Z16A
MNXML, MRXML	MNPML, MRPML	

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	$3^{\circ}55' \pm 30'$	
		Camber (deg.)	$0^{\circ}00' \pm 30'$	
		Toe-in outside track-mm (in.)	$-3 (-0.12) \sim 3 (0.12)$	
	Service reset*	Caster (deg.)	-	
		Camber (deg.)	$0^{\circ}00' \pm 30'$ Adjustable	
		Toe-in - mm (in.)	-	
	Periodic M.V. in-spection	Caster (deg.)	-	
		Camber (deg.)	-	
		Toe-in - mm (in.)	-	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	$0^{\circ}00' \pm 30'$	$-0^{\circ}10' \pm 30'$
		Toe-in outside track-mm (in.)	$-2 (0.08) \sim 3 (0.12)$	
	Service reset*	Camber (deg.)	-	
		Toe-in - mm (in.)	-	
	Periodic M.V. in-spection	Camber (deg.)	-	
		Toe-in - mm (in.)	-	

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

Electrical – Instruments and Equipment

Speed-ometer	Type (analog, digital, std., opt.)	Analog (Std.)	
	Trip odometer (std., opt., n.a.)	Std. with combination meter	
Head-up display	Standard, optional, not available		N.A.
	Type	Secondary, opto-electronic	N.A.
	Speedometer	Digital	N.A.
	Status / warning indicators	Turn signals, high beam, low fuel, check gauges	N.A.
	Brightness control	Day / night mode, adjustable	N.A.
	EGR maintenance indicator		N.A.
Charge indicator	Type	Moving iron	
	Warning device (light, audible)	Voltmeter (Drive pointer): Z11AM and Light:ALL	
Temperature indicator	Type	Moving iron	
	Warning device (light, audible)	Drive pointer	
Oil pressure indicator	Type	Electric thermal	
	Warning device (light, audible)	Drive pointer	
Fuel indicator	Type	Moving iron	
	Warning device (light, audible)	Drive pointer and Light	
Wind-shield wiper	Type (standard)	Electric two Speed with variable intermittent	
	Type (optional)	N.A.	
	Blade length	$525 (\text{Dr. SIDE}), 500 (\text{As. SIDE})$ (mm)	
	Swept area cm ² (in. ²)	6322 (980)	
Wind-shield washer	Type (standard)	Electric	
	Type (optional)	N.A.	
	Fluid level indicator (light, audible)	Light	
Rear window wiper, wiper/washer (std., opt., n.a.)		Opt.	Std.
Horn	Type	80 diameter	
	Number used	2	
Other		Brake system and parking brake warning light Fasten belts warning light.	

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Engine Code/Description

6G72

Electrical – Supply System

Yuasa Battery Co., Ltd., Japan Storage Battery Co., Ltd.,

Battery	Manufacturer	Shin-Kobe Electric Machinery Co., Ltd.
	Model, std., (opt.)	75D23R-MF
	Voltage	12
	Amps at 0°F cold crank	520
	Minutes-reserve capacity	118
	Amps/hrs.-20 hr. rate	65
	Location	Front, right side of engine compartment
Alternator	Manufacturer	Mitsubishi Electric Corp.
	Rating (idle/max. rpm)	110
	Ratio (alt. crank/rev.)	2.31
	Output at idle (rpm, park)	-
	Optional (type & rating)	N.A.
Regulator	Type	Voltage control

Electrical – Starting System

Motor	Manufacturer	Mitsubishi Electric Corp.
	Current drain _____ °C(°F)	-
	Power rating kw (hp)	1.2
Motor drive	Engagement type	Solenoid
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)		Std.
	Other (specify)		-
Coil	Manufacturer		Diamond Electric Manufacturing Co., Ltd.
	Model		F-608
	Current	Engine stopped – A	0
		Engine Idling – A	2.5
Spark plug	Manufacturer		NGK Spark plug Co., Ltd., Nippon Denso
	Model		PFR6J-11, PK20PR-P11
	Thread (mm)		14
	Tightening torque N-m (lb. ft)		20 ~ 30 (15 ~ 22)
	Gap		1.0 ~ 1.1
	Number per cylinder		1
Distributor	Manufacturer		N.A.
	Model		N.A.

Electrical – Suppression

Locations & type	-
------------------	---

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (-) _____

METRIC (U.S. Customary)

Model Code/Description

Z11A, Z16A

Body

Structure	Monocock body
Bumper system front - rear	Impact absorbing system Fascia (Thermoplastic olefin) Energy absorber (Fluid type) Reinforcement (front-Aluminum) (rear-Aluminum)
Anti-corrosion treatment	Cathodic ED Paint Extended use of galvanized Stone chipping resistance coating

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Heat setting acrylic enamel
Hood	Material & mass Steel, 21.5 Kg
	Hinge location (front, rear) Rear
	Type (counterbalance, prop) Counterbalance (Gas spring)
	Release control (internal, external) Internal
Trunk lid	Material & mass -
	Type (counterbalance, other) -
	Internal release control (elec., mech., n.a.) -
Hatch-back lid	Material & mass Steel, 12.4 Kg
	Type (counterbalance, other) Counterbalance (Gas spring)
	Internal release control (elec., mech., n.a.) Mech.
Tailgate	Material & mass -
	Type (drop, lift, door) -
	Internal release control (elec., mech., n.a.) -
Vent window control (crank, friction, pivot, power)	Front -
	Rear -
Window regulator type (cable, tape, flex drive, etc.)	Front Cable
	Rear -
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front Bucket, Spring
	Rear Bench, Foam
	3rd seat -
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front Bucket, Spring
	Rear 50/50, Foam
	3rd seat -

Frame

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Model Code/Description

Z11A, Z16A

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	First seat	3 point seat belt with ELR	-	3 point seat belt with ALR/ELR
		Second seat	3 point seat belt with ALR/ELR	-	3 point seat belt with ALR/ELR
	Standard / optional	Third seat	-	-	-
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual - lap belt)	First seat	Air bag + Knee bolster	-	Air bag +Knee bolster
		Second seat	-	-	-
	Standard / optional	Third seat	-	-	-

Glass	SAE Ref. No.	
Windshield glass exposed surface area cm ² (in. ²)	S1	10301 (1597)
Side glass exposed surface area cm ² (in. ²) - total 2-sides	S2	8390 (1300)
Backlight glass exposed surface area cm ² (in. ²)	S3	9959 (1544)
Total glass exposed surface area cm ² (in. ²)	S4	28650 (4441)
Windshield glass (type / thickness)		Curved-laminated plate
Side glass (type / thickness)		Curved-tempered plate
Backlight glass (type / thickness)		Curved-tempered plate
Tinted (yes / no, location)		Yes
Solar control (yes / no, coated / batched, location)		No

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Replaceable bulb
Shape	Aerodynamic headlamp
Lo-beam type (2A1, 2B1, 2C1, etc.)	HB4-Bulb
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	H84-Bulb+HB3-Bulb
Quantity	2 + 2

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

METRIC (U.S. Customary)

Engine Code/Description

Z11A		Z16A
MNXML, MRXML	MNPML, MRPML	

Climate Control System

Air conditioning (std., opt., man., auto.)		Opt. (Man.)	Std. (Auto.)
Condenser	Type	Multi flow Pass type	
	Eff. face area (sq. mm.)	220000	
	Fins per inch	16	
Evaporator	Type	Serpentine tube type	
	Eff. face area (sq. mm.)	67000	
	Fins per inch	12	
Heater core	Material	Tube: Brass, Fin: Copper	
	Eff. face area (sq. mm.)	31900	
	Fins per inch	28	
Compressor	Type	Scroll type with Capacity Control	
	Displacement (cc.)	105cc/rev	
	Manufacturer	Mitsubishi Heavy Industries Ltd.	
	A/C pulley ratio	1.5	
Accumulator	Type	-	
	Height (mm.)	-	
	Diameter (mm.)	-	
Receiver	Type	Integral type	
	Height (mm.)	197	
	Diameter (mm.)	60	
Refrigerant control (CCOT, TVS, etc.)		External pressure regulated automatic thermo controlled expansion valve	
Heater water valve (yes / no)		No	
Refrigerant (R - 12, R - 134a, etc.)		R-134a	
Charge level (lbs. - oz.)		28	
Cold engine lockout switch (yes / no)		No	
Wide open throttle cutout switch (yes / no)		Yes	

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (+) _____

METRIC (U.S. Customary)

Model Code/Description

Z11A		Z16A
MNXML, MPXML	MNPML, MRPML	

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

Clock (digital, analog)		Std. (digital)	
Compass / thermometer		N.A.	
Console (floor, overhead)		Std. (Floor)	
Defroster, electric windshield		N.A.	
Defroster, electric backlight		Std.	
Electronic	Diagnostic monitor (integrated, individual)	Std. (Partly integrated)	
	Instrument cluster (list instruments)	Std. (Speedmeter, Tachometer, Fuel gauge, Oil pressure gauge, Voltgauge, Water temperature gauge)	Std. (Speedmeter, Tachometer, Fuel gauge, Oil Pressure gauge, Boost gauge, Water temperature gauge)
	Keyless entry	Opt.	Std.
	Tripminder (avg. spd., fuel)	N.A.	
	Voice alert (list items)	N.A.	
	Other	-	
Fuel door lock (remote, key, electric)		Std. (Remote)	
Lamps	Auto head on / off delay, dimming	N.A.	
	Cornering	N.A.	
	Courtesy (map, reading)	Std. (map, Door)	
	Door lock, ignition	Std. (Ignition)	
	Engine compartment	Std.	
	Fog	Std.	
	Glove compartment	Std.	
	Trunk	Std.	
	Illuminated entry system (list lamps, activation)	Std. (lamps)	
	Other	Std. (Foot well)	
Mirrors	Day / night (auto. man.)	Std. (Man.)	
	L.H. (remote, power, heated)	Std. (Power)	Std. (Power, Heated)
	R.H. (convex, remote, power, heated)	Std. (Convex, Power)	Std. (Convex, Power, Heated)
	Visor vanity (RH / LH, illuminated)	R.H./L.H.	R.H./L.H., illuminated both sides
Navigation system (describe)		N.A.	
Parking brake-auto release (warning light)		N.A.	

MVMA Specifications

METRIC (U.S. Customary)

Model Code/Description

Vehicle Line Mitsubishi 3000 GT
Model Year 1994 Issued 1993-7 Revised (-)

Z11A		Z16A
MNXML, MRXML	MNPML, MRPML	

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

Power equipment	Deck lid (release, pull down)		N.A.	
	Door locks (manual, automatic, describe system)		Opt. (Man.)	Std. (Man.)
	Seats	2 - 4 - 6 way, etc.	N.A.	5-WAY
		Reclining (R.H., L.H.)	N.A.	
		Memory (R.H., L.H., preset recline)	N.A.	
		Support (lumbar, hip, thigh, etc.)	N.A.	Lumber, Side
		Heated (R.H., L.H., other)	N.A.	
	Side windows		Opt.	Std.
	Vent windows		-	
	Rear windows		-	
Radio systems	Antenna (location, whip, w / shield, power)		Std. (L.H. Rear Quarter, Whip)	Std. (L.H. Rear Quarter power)
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM ETR with cassette player with equalizer	AM/FM MPX, ETR with cassette player with equalizer
	Optional		-	
	Speaker (number, location)		Std. 6 speaker (Door.. Quarter panel.. Instrument panel.)	
	Roof: open air or fixed (flip-up, sliding, "T")		Opt.	
Speed control device		Opt.	Std.	
Speed warning device (light, buzzer, etc.)		N.A.		
Tachometer (rpm)		Std.		
Telephone system (describe)		N.A.	Opt.	
Theft deterrent system		Opt.	Std.	

Trailer Towing

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

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT
Model Year 1994 Issued 1993-7 Revised (-) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

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

Model Code/Description	SAE Ref. No.	Z11A	Z16A
------------------------	--------------	------	------

Width

Tread (front)	W101	1560	
Tread (rear)	W102	1580	
Vehicle width	W103	1840	
Body width at Sg RP (front)	W117	1783	
Vehicle width (front doors open)	W120	4000	
Vehicle width (rear doors open)	W121	-	
Tumble-home (degrees)	W122	36°	
Outside mirror width	W410	2052	

Length

Wheelbase	L101	2470	
Vehicle length	L103	4565	
Overhang (front)	L104	1025	
Overhang (rear)	L105	1070	
Upper structure length	L123	2522	
Rear wheel C/L "X" coordinate	L127	2470	

Height*

Passenger distribution (front/rear)	PD1,2,3	Front : 2, Rear : 2	
Trunk/cargo load		-	
Vehicle height	H101	1247	1253
Cowl point to ground	H114	873	878
Deck point to ground	H138	929	938
Rocker panel-front to ground	H112	204	209
Rocker panel-rear to ground	H111	246	253
Windshield slope angle (degrees)	H122	65°	
Backlight slope angle (degrees)	H121	70°	

Ground Clearance*

Front bumper to ground	H102	196	198
Rear bumper to ground	H104	228	238
Bumper to ground front at curb mass (wt.)	H103	204	
Bumper to ground rear at curb mass (wt.)	H105	287	
Angle of approach (degrees)	H106	12°	
Angle of departure (degrees)	H107	13.5°	14°
Ramp breakover angle (degrees)	H147	10.5°	11°
Axle differential to ground (front/rear)	H153	171 / -	178 / 156
Min. running ground clearance	H156	104	111
Location of min. run. grd. clear.		Heat Protector of Exhaust pipe	

* All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT

Model Year 1994 Issued 1993-7 Revised (-) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

Z11A

Z16A

SAE
Ref.
No.

Front Compartment

SgRP front, "X" coordinate	L31	1445	
Effective head room	H61	942	
Max. eff. leg room (accelerator)	L34	1123	
SgRP to heel point	H30	177	
SgRP to heel point	L53	945	
Back angle (degrees)	L40	25°	
Hip angle (degrees)	L42	101°	
Knee angle (degrees)	L44	142°	
Foot angle (degrees)	L46	83°	
Design H-point front travel	L17	270	
Normal driving & riding seat track trvl.	L23	270	
Shoulder room	W3	1420	
Hip room	W5	1440	
Upper body opening to ground	H50	1145	1151
Steering wheel maximum diameter*	W9	390	
Steering wheel angle (degrees)	H18	17°	
Accel. heel pt. to steer. whl. cntr	L11	515	
Accel. heel pt. to steer. whl. cntr	H17	567	
Undepressed floor covering thickness	H67	21	

Rear Compartment

SgRP point couple distance	L50	475	
Effective head room	H63	867	
Min. effective leg room	L51	724	
SgRP (second to heel)	H31	230	
Knee clearance	L48	0	
Shoulder room	W4	1320	
Hip room	W6	1190	
Upper body opening to ground	H51	-	
Back angle (degrees)	L41	31°	
Hip angle (degrees)	L43	80°	
Knee angle (degrees)	L45	77°	
Foot angle (degrees)	L47	118°	
Depressed floor covering thickness	H73	17	

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	-
Liftover height	H195	-

Interior Volumes (EPA Classification)

Vehicle class		Subcompact
Interior volume index including trunk/cargo (cu. ft.)**		93.4
Trunk/cargo index (cu. ft.)		11.1

* See page 14.

** See definition page 33.

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

MVMA Specifications

Vehicle Line Mitsubishi 3000 GT

Model Year 1994

Issued 1993-7

Revised (•) _____

METRIC (U.S. Customary)

Vehicle Dimensions . See Key Sheets for definitions

Model Code/Description

Z11A, Z16A

Station Wagon / MPV* - Third Seat

SAE
Ref.
No.

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

Station Wagon / MPV* - Cargo Space

Cargo length (open front)	L200	-
Cargo length (open second)	L201	-
Cargo length (closed front)	L202	-
Cargo length (closed second)	L203	-
Cargo length at belt (front)	L204	-
Cargo length at belt (second)	L205	-
Cargo width (wheelhouse)	W201	-
Rear opening width at floor	W203	-
Opening width at belt	W204	-
Min. rear opening width above belt	W205	-
Cargo height	H201	-
Rear opening height	H202	-
Tailgate to ground height	H250	-
Front seat back to load floor height	H197	-
Cargo volume index m ³ (ft. ³)	V2	-
Hidden cargo volume index m ³ (ft. ³)	V4	-
Cargo volume index-rear of 2-seat	V10	-
Cargo volume index*	V6	-
Cargo width at floor*	W500	-
Maximum cargo height*	H505	-

Hatchback - Cargo Space

Cargo length at front seatback height	L208	1400
Cargo length at floor (front)	L209	1490
Cargo length at second seatback height	L210	812
Cargo length at floor (second)	L211	990
Front seatback to load floor height	H197	230
Second seatback to load floor height	H198	264
Cargo volume index m ³ (ft. ³)	V3	0.44 (15.54)
Hidden cargo volume index m ³ (ft. ³)	V4	-
Cargo volume index-rear of 2-seat	V11	0.31 (10.95)

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

*MPV - Multipurpose Vehicle

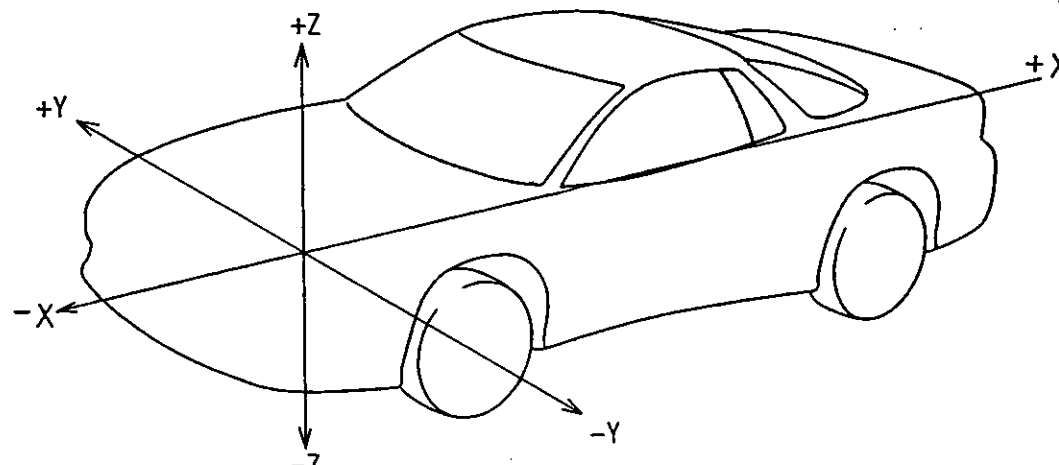
MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Mitsubishi 3000 GT
 Model Year 1994 Issued 1993-7 Revised (*) _____

Model Code/ Description	Z11A	Z16A
----------------------------	------	------

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
Front(1)	 <p>Datum plane definition - Vertical longitudinal plane through the longitudinal center of the car. Vertical transverse plane through the front wheel center. Horizontal plane through the bottom of the rocker panels.</p>
Front(2)	
Rear(1)	
Rear(2)	
<p>Note: Provide 3 of 4 Fiducial Mark Locations</p>	

Front	W21**	512.5	
	L54**	-385	
	H81**	222	
	H161**	436	
	H163**	422	425
Rear	W22**	512	
	L55**	3025	
	H82**	217	
	H162**	438	
	H164**	384	393

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.
 ** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.
 All linear dimensions are in millimeters (inches) unless otherwise noted.

METRIC (U.S. Customary)

Model Year 1994 Issued 1993-7 Revised (*)

[illegible]

** ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications. Refer to ETWC code legend below for test weight class.

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

50 (110)

METRIC (U.S. Customary)

Model Year 1994 Issued 1993-7 Revised (•) _____

[illegible]

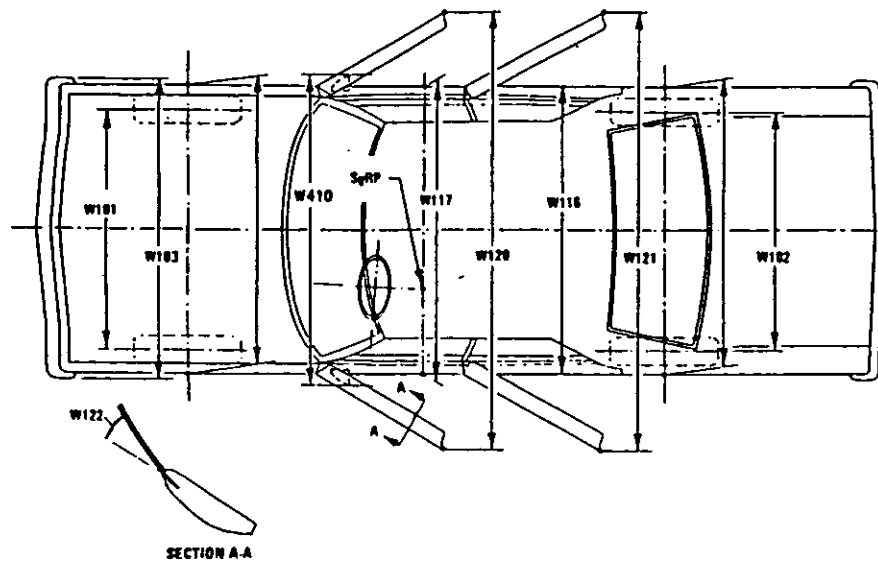
* Also see Engine - General Section for dressed engine mass (weight).

MVMA Specifications

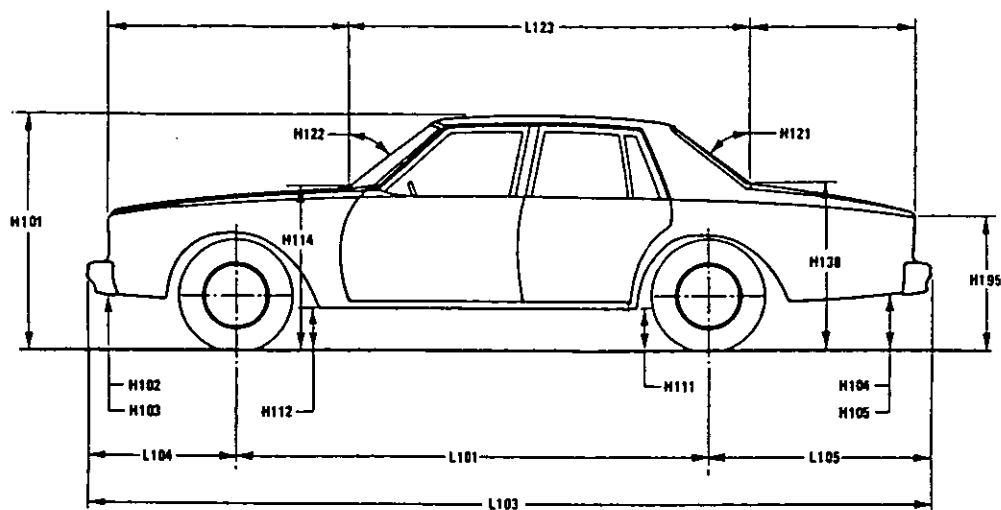
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet

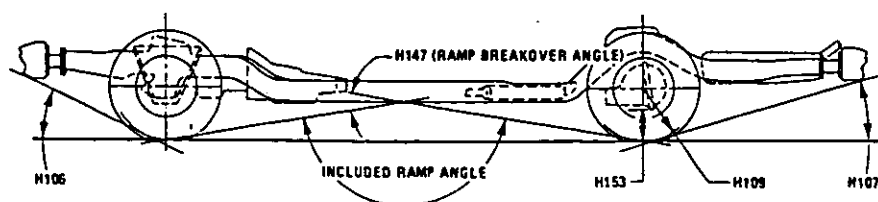
Exterior Width



Exterior Length & Height



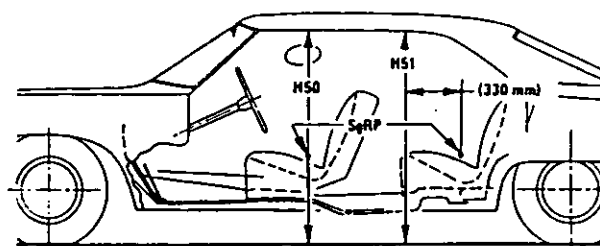
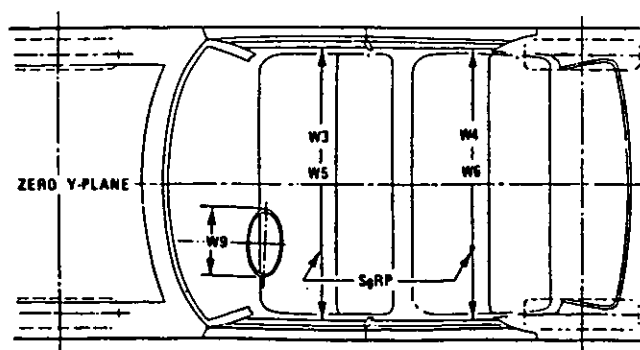
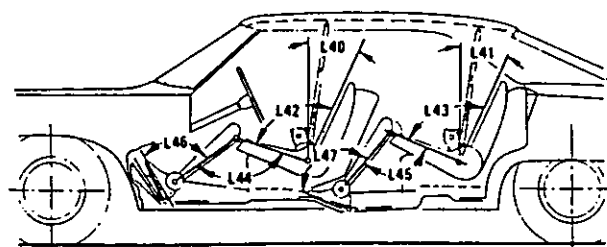
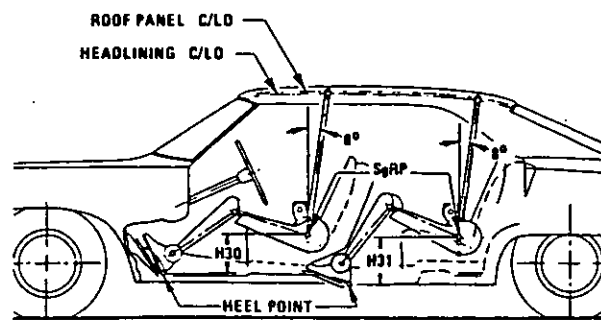
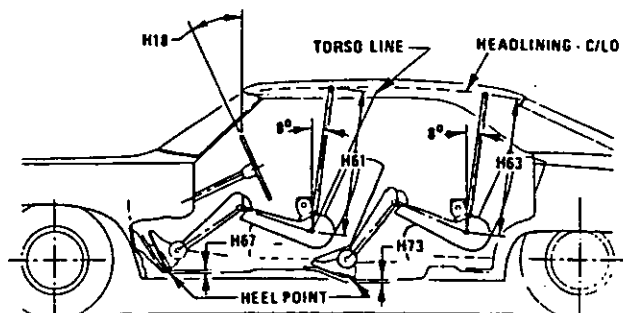
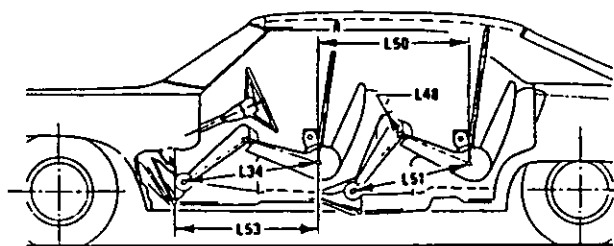
Exterior Ground Clearance



MVMA Specifications Form

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet

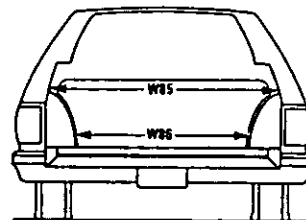
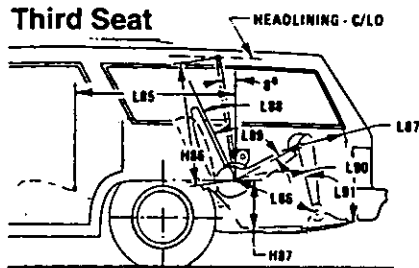


MVMA Specifications

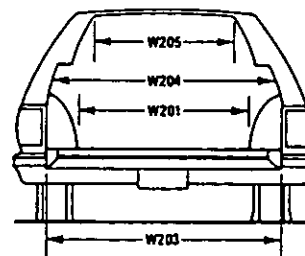
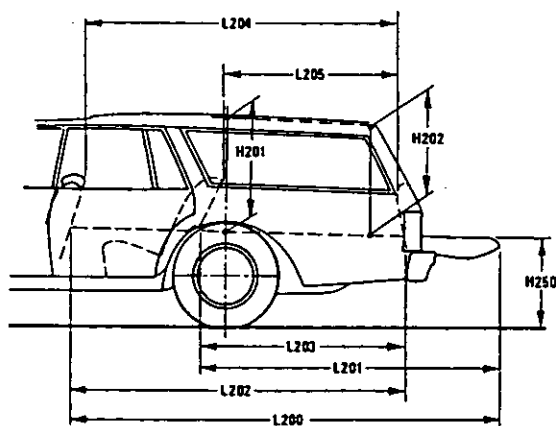
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet

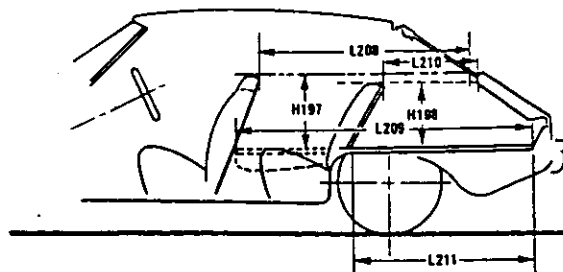
Third Seat



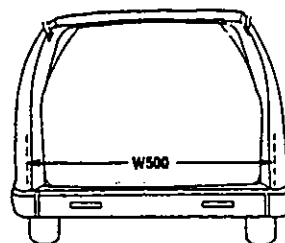
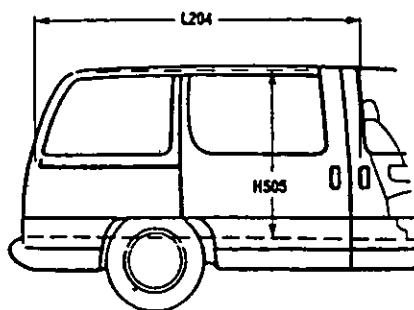
Cargo Space



Station Wagon



Hatchback



Multipurpose Vehicle

MVMA Specifications

METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –
(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
(b) Has coordinates established relative to the design vehicle structure;
(c) Simulates the position of the pivot center of the human torso and thigh; and
(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations."

Width Dimensions

- W101 TREAD – FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD – REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP – FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH – FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH – REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE – HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.
- W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG – FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L105 OVERHANG – REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL – REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL – FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATIC LOAD – TIRE RADIUS – REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H102.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 RAMP BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Glass Areas

- S1 Windshield area.
- S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
- S3 Backlight areas.
- S4 Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

- Fiducial Mark – Number 1**
- L54 "X" coordinate.
- W21 "Y" coordinate.
- H81 "Z" coordinate.
- H161 Height "Z" coordinate to ground at curb weight.
- H163 Height "Z" coordinate to ground.
- Fiducial Mark – Number 2**
- L55 "X" coordinate.
- W22 "Y" coordinate.
- W82 "Z" coordinate.
- H162 Height "Z" coordinate to ground at curb weight.
- H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

- L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
- L17 DESIGN H-POINT – FRONT TRAVEL. The dimension measured horizontally between the design H-point – front in the foremost and rearmost seat track positions. (See SAE J1100)
- L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).
- L31 SgRP – FRONT. "X" COORDINATED.
- L34 MAXIMUM EFFECTIVE LEG ROOM – ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP – front plus 254 mm (10.0 in.) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- L-40 BACK ANGLE – FRONT. The angle measured between a vertical line through the SgRP – front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
- L-42 HIP ANGLE – FRONT. The angle measured between torso line and thigh centerline.
- L44 KNEE ANGLE – FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
- L46 FOOT ANGLE – FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
- L53 SgRP – FRONT TO HEEL. The dimension measured horizontally from the SgRP – front to the accelerator heel point.
- W3 SHOULDER ROOM – FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP – front at height between the belt line and 254 mm (10.0 in.) above the SgRP – front, excluding the door assist strap and attaching parts.

- W5 HIP ROOM – FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP – front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP – front and 76 mm (3.0 in.) fore and aft of the SgRP – front.
- W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
- H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP – front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.
- H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- H30 SgRP – FRONT TO HEEL. The dimension measured vertically from the SgRP – front to the accelerator heel point.
- H50 UPPER BODY OPENING TO GROUND – FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP – front "X" plane.
- H61 EFFECTIVE HEAD ROOM – FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP – front to the headlining plus 102 mm (4.0 in.).
- H67 FLOOR COVERING THICKNESS – UNDEPRESSED – FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

- L-41 BACK ANGLE – SECOND. The angle measured between a vertical line through the SgRP – second and the torso line.
- L43 HIP ANGLE – SECOND. The angle measured between torso line and thigh centerline.
- L45 KNEE ANGLE – SECOND. The angle measured between thigh centerline and lower leg centerline.
- L47 FOOT ANGLE – SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
- L48 KNEE CLEARANCE – SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
- L50 SgRP COUPLE DISTANCE – SECOND. The dimension measured horizontally from the driver SgRP – front to the SgRP – second.
- L51 MINIMUM EFFECTIVE LEG ROOM – SECOND. The dimension measured along a line from the ankle pivot center to the SgRP – second plus 254 mm (10.0 in.).
- W4 SHOULDER ROOM – SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP – second at height between 254-406 mm (10.0-16.0 in.) above the SgRP – second, excluding the door assist straps and attaching parts.
- W6 HIP ROOM – SECOND. Measured in the same manner as W5.
- H31 SgRP – SECOND TO HEEL. The dimension measured vertically from the SgRP – second to the two dimensional device heel point on the depressed floor covering.
- H51 UPPER BODY OPENING TO GROUND – SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP – second.
- H63 EFFECTIVE HEAD ROOM – SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
- H73 FLOOR COVERING – DEPRESSED – SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

- V1 USABLE LUGGAGE CAPACITY – Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The Interior Volume Index estimates the space in a car. It is based on four measurements – head room, shoulder room, hip room, and leg room – for the front and rear seats, plus trunk capacity.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon / MPV – Third Seat Dimensions

- L85 SgRP COUPLE DISTANCE – THIRD. The dimension measured horizontally from the SgRP – second to the SgRP – third.
- L86 EFFECTIVE LEG ROOM – THIRD. The dimension measured along a line from the ankle pivot center to the SgRP – third plus 254 mm (10.0 in.).
- L87 KNEE CLEARANCE – THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
- L88 BACK ANGLE – THIRD. Measured in the same manner as L41.
- L89 HIP ANGLE – THIRD. Measured in the same manner as L43.
- L90 KNEE ANGLE – THIRD. Measured in the same manner as L45.
- L91 FOOT ANGLE – THIRD. Measured in the same manner as L47.
- W85 SHOULDER ROOM – THIRD. Measured in the same manner as W4.
- W86 HIP ROOM – THIRD. Measured in the same manner as W5.
- H86 EFFECTIVE HEAD ROOM – THIRD. The dimension, measured along a line 8 deg. from the SgRP – third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H87 SgRP – THIRD TO HEEL POINT.
- SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon / MPV – Cargo Space Dimensions

- L200 CARGO LENGTH – OPEN – FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate at the zero "Y" plane.
- L201 CARGO LENGTH – OPEN – SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

- L202 CARGO LENGTH – CLOSED – FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or 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 wheelhouses at floor level. For any vehicle not trimmed, measure to the sheet metal.
- W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.
- H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND CURB MASS (WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

V2 STATION WAGON

Measured in inches:

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

Measured in mm:

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

V4 HIDDEN LUGGAGE CAPACITY – REAR OF FRONT SEAT.

The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.

Measured in inches:

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

Measured in mm:

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

V6 TRUCKS AND MPV'S WITH CLOSED AREA.

Measured in inches:

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

Measured in mm:

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

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:

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

Measured in mm:

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

Hatchback – Cargo Space Dimensions

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

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

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

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

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

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

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

V3 HATCHBACK.

Measured in inches:

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

Measured in mm:

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

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:

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

Measured in mm:

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

MVMA Specifications

METRIC (U.S. Customary)

Index

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