

MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer Mitsubishi Motors Corporation	Car Line Mitsubishi Cordia	
Mailing Address 33-8, Shiba 5-chome, Minato-ku, Tokyo, 108, Japan	Issued 3-1-1984	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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

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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 completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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Car Models

Model Description FWD/RWD	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
2 DOOR HATCH BACK (FWD)		A217AMNULF/H A217AMKULF/H A213AMNTXLF/H	5 (2/3) 5 (2/3) 5 (2/3)	35 kg (77 lbs)

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Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque connected to 77° F/25° C and 29.61 in. Hg/100 Kpa atmospheric pressure.

[illegible]

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Engine Description/Carb.
 Engine Code

G63B (1.997 Liters)		G62B with Turbo (1.795 Liters)
MT	AT	MT

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sonic, donc, ohv, hemi, wedge, pre-camber, etc.)		In line Front Transvers	
No. of cylinders		4	
Bore		85	80.6
Stroke		88	
Bore spacing (c/l to c/l)		93	
Cylinder block material		Cast iron	
Cylinder block deck height		229	
Deck clearance (minimum) (above or below block)		0	
Cylinder head material		Aluminum alloy	
Cylinder head volume (cm ³)		51.8	
Head gasket thickness (compressed)		1.25	
Minimum combustion chamber total volume (cm ³)		66.6	69.0
Cyl. no. system (front to rear)*	L. Bank	N.A.	
	R. Bank	N.A.	
Firing order		1-3-4-2	
Recommended fuel (leaded, unleaded, diesel)		Unleaded	
Fuel antiknock index (R + M) 2		RON 91 (minimum)	
Total dressed engine mass (wt) dry**		138.5	132 147

Engine — Pistons

Material & mass, g (weight, oz.) piston	Aluminum alloy		
	350 (12)		315 (11)

Engine — Camshaft

Location	Center of IN. and EX. valve on cylinder-head		
Material (kg., weight, lbs.)	Cast iron 2.8 (6.2)		
Drive type	Chain/belt	Belt	
	Width/pitch	19.1 / 9.525	

* Rear of engine — drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Dressed engine mass (weight) includes the following:

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Engine – Valve System

Hydraulic lifters (std., opt., NA)	Std.	N.A.
Valves	Number intake / exhaust	4 / 4
	Head O.D. intake / exhaust	43 / 35

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]	Drop-forged steel, 0.690 (1.52)
---------------------------------------	---------------------------------

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]	16.4 (36.2)
End thrust taken by bearing (no.)	3
Number of main bearings	5

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	340 (49.3) 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.)	3.5 (3.1)

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	None	With-Mitsubishi Heavy Industries Ltd.
Super charger - manufacturer	None	None
Charge cooler	None	None

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G62B with Turbo (1.795 Liters)

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		With condenser tank (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)	88 (190.4)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	-	
	Number of pumps	1	
	Drive (V-belt, other)	V ribbed belt	
	Bearing type	Ball, integral shaft, permanentary sealed	
By-pass recirculation [type (inter., ext.)]		External	
Cooling system capacity	With heater-L(qt.)		
	With air cond.-L(qt.)		
	Opt. equipment [specify-L(qt.)]		
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		No	Yes
Radiator core	Describe (type, material, no. of rows)	Vertical tube and corrugated fin, double rows, copper	
	Std., A/C, HD	N.A.	
	Width	598	648
	Height	350	350
	Thickness	32	32
	Fins per inch	20	20
Fan	Std., elec., opt.	Electric	
	Number of blades & type (flex, solid, material)	4, Polypropylene	
	Diameter & projected width	300	
	Ratio (fan to crankshaft rev.)	N.A.	
	Fan cutout type	N.A.	
	Drive [type (direct, remote)]	N.A.	
	RPM at idle (elec.)	2150	
	Motor rating (wattage) (elec.)	80	120
	Motor switch (type & location) (elec.)	Thermo type in radiator	
	Switch point (temp., pressure) (elec.)	85°C ± 3°C	
	Fan shroud (material)	Steel	

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

Induction type: carburetor, fuel injection system, etc.		Carburetor	
Carburetor	Mfr.	Mikuni Co., Ltd. 32-35 DID TF	
	Choke (type)	Automatic	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	650 (Up to 300 mile), 700 (After 300 mile)
		Automatic	700
Idle A/F mix.		Preset and sealed at factory	
Fuel injection	Point of injection (no.)	N.A.	
	Constant, pulse, flow	N.A.	
	Control (electronic, mech.)	N.A.	
	System pressure [kPa (psi)]	N.A.	
Intake manifold heat control (exhaust or water) thermostatic or fixed		Water Fixed	
Air cleaner type	Standard	Dry, Non-woven cloth	
	Optional	N.A.	
Fuel pump	Type (elec. or mech.)	Mechanical	
	Location (eng., tank)	Engine	
	Pressure range [kPa (psi)]	18 to 26 (2.7 to 3.7)	

Fuel Tank

Capacity (refill L (gallons))		48.5 (12.8)
Location (describe)		Underneath rear floorpan
Attachment		Strap
Material		Steel
Filler pipe	Location & material	Left, 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.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt. n.a.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
Separate fill		N.A.

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

Induction type: carburetor, fuel injection system, etc.			Fuel injection
Carburetor	Mfgr.		-
	Choke (type)		-
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	-
			-
		Automatic	-
			-
Idle A/F mix.			14.7
Fuel injection	Point of injection (no.)		On throttle valve (two)
	Constant, pulse, flow		21.4 mm ³ / 2.5 msec
	Control (electronic, mech.)		Electronic
	System pressure [kPa (psi)]		245 Kpa
Intake manifold heat control (exhaust or water) thermostatic or fixed			Water, fixed
Air cleaner type	Standard		Dry, None-woven cloth
	Optional		N.A.
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		Near by fuel Tank
	Pressure range [kPa (psi)]		620 to 800 (90 to 120)

Fuel Tank

Capacity (refill L (gallons))		48.5 (12.8)
Location (describe)		Underneath rear floorpan
Attachment		Strap
Material		Steel
Filler pipe	Location & material	Left, 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.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt. n.a.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
Separate fill		N.A.

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Engine Description/Carb.
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G63B (1.997 Liters)

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Three-way catalyst with feedback control. Exhaust gas recirculation and Air induction
	Air Injection	Pump or pulse	Pulse
		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 Port No. 2
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake manifold
	Catalytic Converter	Type	Three-way
		Number of	2
		Location(s)	In exhaust manifold & Under floor
		Volume [L (in ³)]	0.7 (43) + 1.0 (61)
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 cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	Canister
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		-
	Open loop (yes/no)		-

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		One (Reverse flow)
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	-
	Main o.d., wall thickness	48.6x2.0 (Front), 48.6x1.2 (Rear) (mm)
	Material	Aluminized steel tube
Intermediate pipe	o.d. & wall thickness	42.7x1.2 (mm)
	Material	Aluminized steel tube
Tail pipe	o.d. & wall thickness	42.7x1.2 (mm)
	Material	Aluminized steel tube

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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Three-way Catalyst with feedback control. Exhaust gas recirculation and air induction
	Air Injection	Pump or pulse	Pulse
		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 Port No. 2
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake manifold
	Catalytic Converter	Type	Three-way
		Number of	2
		Location(s)	In exhaust manifold & Under floor
		Volume [L (in ³)]	1.0 (61) + 1.0 (61)
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 cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	-
Electronic system	Vapor storage provision		Canister
	Closed loop (yes/no)		
	Open loop (yes/no)		

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		One (Reverse flow)
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	-
	Main o.d., wall thickness	54x1.6 (Front), 54x1.2 (Rear) (mm)
	Material	Aluminized steel tube
Inter-mediate pipe	o.d. & wall thickness	54x1.2 (mm)
	Material	Aluminized steel tube
Tail pipe	o.d. & wall thickness	54x1.2 (mm)
	Material	Aluminized steel tube

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G62B with Turbo
(1.795 Liters)

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)		N.A.
Manual 4-speed (std., opt., n.a.)		N.A.
Manual 5-speed (std., opt., n.a.)		Std.
Manual overdrive (std., opt., n.a.)		N.A.
Automatic (std., opt., n.a.)	Std.	N.A.
Automatic overdrive (std., opt., n.a.)		N.A.

Manual Transmission/Transaxle

Number of forward speeds		5
In first		4.226
In second		2.365
In third		1.467
In fourth		1.105
In fifth		0.855
In overdrive		4.109
In reverse		1, 2, 3, 4, 5
Synchronous meshing (specify gears)		Floor
Shift lever location		2, 3 (4, 9)
Lubricant	Capacity [L (pt.)]	
	Type recommended	Multipurpose gear oil conforming to API GL-4
	SAE viscosity number	SAE 75W-85W
	Summer	SAE 75W-85W
	Winter	SAE 75W-85W
	Extreme cold	SAE 75W-85W

Clutch (Manual Transmission)

Make, type, engagement (describe)		Aisin Seiki Co., Ltd. dry single plate
Type pressure plate springs		Diaphragm
Total spring load [N (lb.)]	3481 (782)	4167 (937)
No. of clutch driven discs		One
Material		Woven Asbestos
Manufacturer		Hitachi Chemical Co., Ltd.
Part number		None
Rivets/plate		-
Rivet size		4 (mm)
Outside & inside dia.		200x130 (mm)
Total eff. area [cm ² (in. ²)]		363 (56.2) (mm)
Thickness		3.5 (mm)
Engagement cushion method		Flat-wave spring
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated
Torsional damping	Method: springs, friction material	Damper rubbers and friction washers

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Automatic Transmission/Transaxle

Trade name	Mitsubishi Motors Corp. KM172	
Type and special features (describe)	torque converter with automatically operated planetary gear transmission. Electronic control KM172	
Selector	Location	Lever : Console mounted
	Ltr./No. designation	P. R. N. D. 2. L / 6
Gear ratios	R	2.176
	D	2.846, 1.581, 1.000
	L ₃	-
	L ₂	2.846, 1.581
	L ₁	2.846
Max. upshift speed - drive range (km/h (mph))	1-2 55 (34), 2-3 103 (65)	
Max. kickdown speed - drive range (km/h (mph))	2-1 47 (29), 3-2 96 (60)	
Min. overdrive speed (km/h (mph))	-	
Torque converter	Number of elements	Three
	Max. ratio at stall	2.17 : 1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	240
Lubricant	Capacity (refill L (pt.))	5.8 (12.3)
	Type recommended	DEXRON II OR DEXRON automatic trans. fluid
Oil cooler (std., opt., NA, internal, external, air, liquid)	Std. internal liquid	

Axle or Front Wheel Drive Unit

Type (front, rear)	Front	
Description	Séparable	
Limited slip differential (type)	-	
Drive pinion offset	-	
Drive pinion (type)	-	
No. of differential pinions	2	
Pinion adjustment (shim, other)	Shim	
Pinion bearing adj. (shim, other)	Shim	
Driving wheel bearing (type)	Tapered roller	
Lubricant	Capacity (L (pt.))	Refer to transmission spec.
	Type recommended	Refer to transmission spec.
	SAE viscosity number	Refer to transmission spec.
	Summer	Refer to transmission spec.
	Winter	Refer to transmission spec.
	Extreme cold	Refer to transmission spec.

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)		5 M/T	Automatic	5 M/T
Axle ratio (or overall top gear ratio)				
No. of teeth	Pinion	16	16	15
	Ring gear or gear	51	51	52
Ring gear o.d.		171.0	171.0	174.2
Transaxle	Transfer gear ratio	-	1.150	-
	Final drive ratio	3.187	3.187	3.466

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Axle Shafts — Front Wheel Drive

Number used		two	
Type (straight, solid bar, tubular, etc.)		Left	Straight bar
		Right	Straight bar
Outer diam. x length * x wall thickness	Manual transmission	Left	27 x 690
		Right	23.2 x 351 24 x 345
	Automatic transmission	Left	27 x 690
		Right	23.2 x 351 24 x 345
	Optional transmission	Left	-
		Right	-
Slip yoke	Type	None	
	Number of teeth	-	
	Spline o.d.	-	
Universal joints	Make and mfg. no.	Inner	Toyo Bearing Co., Ltd.
		Outer	Toyo Bearing Co., Ltd.
	Number used	two x two	
	Type, size, plunge	Inner	C.V. Joint
		Outer	C.V. Joint
	Attach (u-bolt, clamp, etc.)	-	
	Bearing	Type (plain, anti-friction)	-
Lubric. (fitting, prepack)		-	
Drive taken through (torque tube, arms or springs)		Lower Arm, Tension Rod, & Strut	
Torque taken through (torque tube, arms or springs)		Lower Arm, Tension Rod, & Strut	

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

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Body Type And/Or
Engine Displacement

A217A		A213A
MNULF/H	MKULF/H	MNTXLF/H

Suspension – General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	N.A.
	Manual/auto. controlled	N.A.
Provision for brake dip control		N.A.
Provision for accel. squat control		N.A.
Provisions for car jacking		N.A.
Shock absorber (front & rear)	Type	Front: Strut type Rear: Telescopic type
	Make	Front: Kayaba Industry Co., Ltd. Rear: Kayaba Industry Co., Ltd.
	Piston diameter	Front: 30 Rear: 25
	Rod diameter	Front: 22 Rear: 12.5

Suspension – Front

Type and description		Independent strut type		
Drive and torque taken through		Yes		
Travel	Full jounce	110		(mm)
	Full rebound	70		(mm)
Spring	Type (coil, leaf, other) & material	Coil		
	Insulators (type & material)	Cylindrical, Rubber		
	Size (coil design height & i.d., bar length x dia.)	351, 127.5	359, 127.5	359, 127.5
	Spring rate [N/mm (lb./in.)]	19.6 (112)		
	Rate at wheel [N/mm (lb./in.)]	17.1 (98)		
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	SUP6, 22		SUP6, 26 (mm)

Suspension – Rear

Type and description		Independent full trailing arm	
Drive and torque taken through		N.A.	
Travel	Full jounce	130	(mm)
	Full rebound	50	(mm)
Spring	Type (coil, leaf, other) & material		Coil
	Size (length x width, coil design height & i.d., bar length & dia.)		299.5 x 97.2 (mm)
	Spring rate [N/mm (lb./in.)]		19.6 (112)
	Rate at wheel [N/mm (lb./in.)]		19.6 (112)
	Insulators (type & material)		Rubber Pad
	If leaf	No. of leaves	-
		Shackle (comp. or tens.)	-
Stabilizer	Type (link, linkless, frameless)	N.A.	Linkless
	Material & bar diameter	N.A.	SUP6, 14.5 (mm)
Track bar (type)		-	

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Body Type And/Or
 Engine Displacement

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Brakes — Service

Description			
Brake type (std., opt., n.a.)	Front (disc or drum)		Disc
	Rear (disc or drum)		Drum
Self-adjusting (std., opt., n.a.)			Std.
Special 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
Vacuum reservoir (volume in. ³)			-
Vacuum pump-type (elec., gear driven, belt driven, if other so state)			-
Anti-skid device type (std., opt., n.a.) (F/R)			N.A.
Effective area [cm ² (in. ²)]*			F:200 (31.0) / R:272 (42.2)
Gross lining area [cm ² (in. ²)]** (F/R)			F:206 (31.9) / R:272 (42.2)
Swept area [cm ² (in. ²)]*** (F/R)			F:1140 (177) / R:446 (69.2)
Rotor	Outer working diameter	F/R	F:240 (mm) / R:-
	Inner working diameter	F/R	F:146 (mm) / R:-
	Thickness	F/R	F:18 (mm) / R:-
	Material & type (vented/solid)	F/R	F:Cast iron vented / R:-
Drum	Diameter (nominal)	F/R	F:- / R:203 (mm)
	Type and material	F/R	F:- / R:Cast iron
Wheel cylinder bore			F:53.97 (mm) / R:17.46 (mm)
Master cylinder	Bore/stroke	F/R	Bore:22.22 (mm) / Stroke: Primary:13, Secondary:15 (mm)
Pedal arc ratio			4.5
Line pressure at 445 N (100 lb.) pedal load (kPa (psi))			10826 (1570)
Lining clearance per shoe		F/R	F:No major adjustment required/R:0.21-0.45(Self adjusting)
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Bonded
		Rivet size	-
		Manufacturer	Akebono Brake Industry Co., Ltd.
		Lining code	SUMITOMO M2227 FF
		Material	Molded
		**** Primary or out-board	116x43.1x10.5 (mm)
		Size Secondary or in-board	116x43.1x10.5 (mm)
		Shoe thickness (no lining)	5.0
	Rear wheel	Bonded or riveted (rivets/seg.)	Bonded
		Manufacturer	Akebono Brake Industry Co., Ltd.
		Lining code	AKP 330 FF
		Material	Molded
		**** Primary or out-board	194x35x4.4 (mm)
		Size Secondary or in-board	194x35x4.4 (mm)
Shoe thickness (no lining)		1.6 (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 thickness.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*)

Body Type And/Or
 Engine Displacement

A217A MNULF/H MKULF/H	A213A MNTXLF/H MKTXLF/H
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Tires And Wheels (Standard)

Tires	Size (load range, ply)		P185/70R13, Std Load	185/70HR13, LOAD RANGE B
	Type (bias, radial, etc.)		Radial	Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	170 (24)	
		Rear [kPa (psi)]	170 (24)	
	Rev./mile—at 70 km/h (45 mph)		888	
Wheels	Type & material		Disc, Steel	Disc, Aluminum
	Rim (size & flange type)		5-Jx13	5-Jx13
	Wheel offset		46	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	114.3	
	Number & size		4, M12x1.5 (Metric)	
Spare	Tire and wheel (same, if other describe)		T115/70D14, 4Tx14	
	Storage position & location (describe)		On cargo floor	

Tires And Wheels (Optional)

Size (load range, ply)	P185/70R13, Std Load	-
Type (bias, radial, etc.)	Radial	-
Wheel (type & material)	Disc, Aluminaum	-
Rim (size, flange type and offset)	5-Jx13, 46	-
Size (load range, ply)	-	-
Type (bias, radial, etc.)	-	-
Wheel (type & material)	-	-
Rim (size, flange type and offset)	-	-
Size (load range, ply)	-	-
Type (bias, radial, etc.)	-	-
Wheel (type & material)	-	-
Rim (size, flange type and offset)	-	-
Size (load range, ply)	-	-
Type (bias, radial, etc.)	-	-
Wheel (type & material)	-	-
Rim (size, flange type and offset)	-	-
Spare tire and wheel	-	-
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes — Parking

Type of control		1 handle, Hand operated
Location of control		Between front seats
Operates on		Rear wheels
If sepa- rate from service brakes	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*) _____

Body Type And/Or
 Engine Displacement

--

Steering

Manual (std., opt., n.a.)				N.A.
Power (std., opt., n.a.)				Std.
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt
		(Std., opt., n.a.)		Std.
Wheel diameter		Manual		386
		Power		386
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		10.8 (35.4)
		Curb to curb (l. & r.)		9.8 (32.2)
	Inside rear	Wall to wall (l. & r.)		5.4 (17.7)
		Curb to curb (l. & r.)		5.2 (17.1)
Scrub Radius				-
Manual	Gear	Type		N.A.
		Make		N.A.
		Ratios	Gear	N.A.
			Overall	N.A.
	No. wheel turns (stop to stop)			N.A.
Power	Type (coaxial, linkage, etc.)		Integral	
	Make		Koyo Seiko Co. Ltd.	
	Gear	Type		Rack & pinion
		Ratios	Gear	-
			Overall	16.8
	Pump (drive)		V-belt	
	No. wheel turns (stop to stop)		2.9	
Linkage	Type		Trailing, equal length tie rods	
	Location (front or rear of wheels, other)		Rear	
	Drag links (trans. or longit.)		N.A.	
	Tie rods (one or two)		Two	
Steering axis	Inclination at camber (deg.)		13° 16'	
	Bearings (type)	Upper	Ball bearing	
		Lower	Ball joint	
		Thrust	N.A.	
Steering spindle & joint type				Ball
Wheel spindle	Diameter	Inner bearing		38.100
		Outer bearing		38.100
	Thread (size)		M22x1.5 (Metric)	
	Bearing (type)		Tapered roller	

MVMA Specifications Form
Passenger Car
(METRIC (U.S. Customary))

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*) _____

Body Type And/Or
 Engine Displacement

A217A		A213A
MNXLF/H MKXLF/H	MNJLF/H, MNULF/H MKULF/H	

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	48' ± 30'
		Camber (deg.)	25' ± 30'
		Toe-in [outside track-mm (in.)]	3 to -3 (0.118 to -0.118)
	Service reset*	Caster	-
		Camber	-
		Toe-in	-
	Periodic M.V. inspection	Caster	-
		Camber	-
		Toe-in	-
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-35' ± 35'
		Toe-in [outside track-mm (in.)]	1.5 ± 4.5 mm (0.059 ± 0.177)
	Service reset*	Camber	-
		Toe-in	-
	Periodic M.V. inspection	Camber	-
		Toe-in	-

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

Electrical — Instruments and Equipment

Speedometer	Type	In-line ariving pointer	Digital liquid crystal display
	Trip odometer (std., opt., n.a.)	Standard with combination meter	
EGR maintenance indicator		N.A.	
Charge indicator	Type	Telltale	
	Warning device	Light	
Temperature indicator	Type	Cross coil	L.C.d
	Warning device	Driving pointer	Segment
Oil pressure indicator	Type	Pressure switch or Electric thermal	
	Warning device	Light or Driving pointer	
Fuel indicator	Type	Cross coil	L.C.d
	Warning device	Driving pointer	Bargraph
Wind-shield wiper	Type (standard)	Electric two speed with variable intermittent	
	Type (optional)	Electric (rear windshield)	
	Blade length	450	(mm)
	Swept area (cm ² (in. ²))	5017 (777)	
Wind-shield washer	Type (standard)	Electric	
	Type (optional)	Electric (rear windshield)	
	Fluid level indicator	N.A.	
Horn	Type	90 diameter	
	Number used	two	
Other		Brake system and parking brake warning light, fasten belts warning light.	

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line Mitsubishi Cordia
Model Year 1985 Issued 3-1-1984 Revised (●) _____

Engine Description/Carb.
Engine Code

G63B (1.997 Liters)

Electrical – Supply System

Battery	Make	YUASA BATTERY CO., LTD. or JAPAN STORAGE BATTERY CO., LTD. or MATSUSHITA BATTERY IND. CO., LTD. or SHIN-KOBE ELECTRIC MACHINERY CO., LTD.
	Model, std., (opt.)	NX100-S6(S)-MF
	Voltage	12
	Amps at 0°F cold crank	420
	Minutes-reserve capacity	75
	Amp/hrs. - 20 hr. rate	45
	Location	Front, right side of engine compartment
Generator or alternator	Type and rating	65
	Ratio (alt. crank/rev.)	2.71 : 1
	Optional (type & rating)	N.A.
Regulator	Type	Voltage control

Electrical – Starting System

Start, motor	Current drain at 0°F	
Motor drive	Engagement type	Solenoid
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Conventional (std., opt., n.a.)	N.A.
	Electronic (std., opt., n.a.)	Std.
	Other (specify)	NGK Spark Plug Co., Ltd. or Champion Spark Plug Co., Ltd. or NIPPON DENSO
Coil	Make	Diamond Electric Manufacturing Co., Ltd.
	Model	E-064
	Current	Engine stopped – A
		Engine idling – A
Spark plug	Make	-
	Model	BUR6EA-11 or RN9Y or W20EPR-S11
	Thread (mm)	14
	Tightening torque [N-m (lb., ft.)]	20 to 30 (15 to 22)
	Gap	1.0 to 1.1
	Number per cylinder	1
Distributor	Make	Mitsubishi Electric Corp.
	Model	-

Electrical – Suppression

Locations & type	-
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MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line Mitsubishi Cordia
Model Year 1985 Issued 3-1-1984 Revised (•) _____

Engine Description/Carb.
Engine Code

G62B with Turbo (1.795 Liters)

Electrical – Supply System

Battery	Make	YUASA BATTERY CO., LTD. or JAPAN STORAGE BATTERY CO., LTD. or MATSUSHITA BATTERY IND. CO., LTD. or SHIN-KOBE ELECTRIC MACHINERY CO., LTD.
	Model, std., (opt.)	NX100-S6(S)-MF
	Voltage	12
	Amps at 0°F cold crank	420
	Minutes-reserve capacity	75
	Amp/hrs. - 20 hr. rate	45
	Location	Front, right side of engine compartment
Generator or alternator	Type and rating	65
	Ratio (alt. crank/rev.)	2.71 : 1
	Optional (type & rating)	N.A.
Regulator	Type	Voltage control

Electrical – Starting System

Start, motor	Current drain at 0°F	-
Motor drive	Engagement type	Solenoid
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Conventional (std., opt., n.a.)	N.A.
	Electronic (std., opt., n.a.)	Std.
	Other (specify)	-
Coil	Make	Diamond Electric Manufacturing Co., Ltd.
	Model	LB-119
	Current	Engine stopped - A
		Engine idling - A
Spark plug	Make	NGK Spark Plug Co., Ltd. or Nippon Denso
	Model	BUR7EA-11 or W22EPR-S11
	Thread (mm)	14
	Tightening torque [N-m (lb., ft.)]	20 to 30 (15 to 22)
	Gap	1.0 to 1.1
	Number per cylinder	1
Distributor	Make	Mitsubishi Electric Corp.
	Model	-

Electrical – Suppression

Locations & type	-
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MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*)

Body Type

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Heat setting acrylic enamel	
Hood	Hinge location (front, rear)	Front
	Type (counterbalance, prop)	-
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	-
	Internal release control (elec., mech., n.a.)	-
Hatch back lid	Type (counterbalance, other)	Telescoping gas struts
	Internal release control (elec., mech., n.a.)	Mech
Bumper front	Bar material & mass (wt.)	Urethane (3.15 kg)
	Reinforcement material & mass (wt.)	Steel (11.35 kg)
Bumper rear	Bar material & mass (wt.)	Urethane (3.66 kg)
	Reinforcement material & mass (wt.)	Steel (14.54 kg)
Vent window control (crank, friction, pivot, power)	Front	NONE
	Rear	NONE
Seat cushion type	Front	Spring
	Rear	Urethane form
	3rd seat	-
Seat back type	Front	Spring
	Rear	Urethane form
	3rd seat	-
Vehicle ident. no. location	Left front corner of instrument panel	

Frame

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

Glass

Backlight slope angle (deg.)	H121	66.5°
Windshield slope angle (deg.)	H122	61°
Tumble-Home (deg.)	W122	28°
Windshield glass exposed surface area [cm ² (in. ²)]	S1	7410 cm ² (1150 in ²)
Side glass exposed surface area [cm ² (in. ²)]	S2	8730 cm ² (1350 in ²)
Backlight glass exposed surface area [cm ² (in. ²)]	S3	6850 cm ² (1060 in ²)
Total glass exposed surface area [cm ² (in. ²)]	S4	22990 cm ² (3560 in ²)
Windshield glass (type)		Curved-Laminated plate
Side glass (type)		Curved-Tempered plate
Backlight glass (type)		Curved-Tempered plate

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*) _____

Body Type

SAE Ref. No.	
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Restraint System

Active restraint system	Standard/ optional	Standard
	Type and description	Front: 3 point seat belt with ELR; Rear: outboard: 2 point seat belt with ALR center: 2 point seat belt with manual adjusting device
	Location	Front, Rear
Passive seat belts	Standard/ optional	N.A.
	Power/ manual	-
	2 or 3 point	-
	Knee bar/ lap belt	-

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (●) _____

Body Type

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

Air conditioning (manual, auto. temp control)		Opt. (Manual temp control)		
Clock (digital, analog)		std. (digital)		
Compass / thermometer		N.A.		
Console (floor, overhead)		std. (floor)		
Defroster, elec. backlight		Std.		
Electronic	Diagnostic warning (integrated, individual)	Opt. (partly intezeated)		
	Instrument cluster (list instruments)	Std. (Speedometer, fuel, Water-temp, volt, oil-press, turbo)		
	Keyless entry	N.A.		
	Tripminder (avg. spd., fuel)	N.A.		
	Voice alert (list items)	N.A.		
	Other	-		
Fuel door lock (remote, key, electric)		-		
Lamps	Auto head on / off delay, dimming	N.A.		
	Cornering	N.A.		
	Courtesy (map, reading)	N.A.		
	Door lock, ignition	N.A.		
	Engine compartment	N.A.		
	Fog	N.A.		
	Glove compartment	N.A.		
	Trunk	Std.		
	Other	-		
Mirrors	Day/night (auto. man.)	Std. (man.)	Std. (man.)	Std. (man.)
	L.H. (remote, power, heated)	Std. (remote) or Opt. (power)	Std. (remote) or Opt. (power)	Std. (remote)
	R. H. (convex, remote, power, heated)	Std. (remote) or Opt. (power)	Std. (remote) or Opt. (power)	Std. (remote)
	Visor vanity (RH / LH, illuminated)	LH	LH	LH
Parking brake-auto release (warning light)		N.A.		
Power equipment	Door locks / deck lid - specify	-		
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	-		
	Side windows	-		
	Vent windows	-		
	Rear window	-		
Radio systems	Antenna (location, whip, w/shield, power)	Std. or Opt. (Whip on front fender)		
	AM, FM, stereo, tape, CB	Std. or Opt. (AM/FM mpx or AM/FM electrical tuning radio & tape player)		
	Speaker (number, location) Premium sound	Std. or Opt. (4 speakers)		
Roof open air/fixd (flip-up, sliding, "T")		-		
Speed control device		Opt.		
Speed warning device (light, buzzer, etc.)		N.A.		
Tachometer (rpm)		Std.		
Theft protection-type		Disk tumbler, keylocks on ignition switch, doors, fuel-lid, luggage compartment & lockable steering		

MVMA Specifications Form

Passenger Car

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*)

METRIC (U.S. Customary)

Car and Body 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 car line.
 SAE Ref. no. refers to the definition published in SAE Recommended Practice.
 J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type

SAE
Ref.
No.

Width

Tread (front)	W101	1410
Tread (rear)	W102	1375
Vehicle width	W103	1660, 1655 (Without side protector)
Body width at Sg RP (front)	W117	1650, 1645 (Without side protector)
Vehicle width (front doors open)	W120	3660
Vehicle width (rear doors open)	W121	-

Length

Wheelbase	L101	2445
Vehicle length	L103	4395
Overhang (front)	L104	980
Overhang (rear)	L105	970
Upper structure length	L123	2645
Rear wheel C/L "X" coordinate	L127	2445
Cowl point "X" coordinate	L125	390

Height*

Passenger distribution (frt./rear)	PD1.2.3	Front : 2 Rear : 3
Trunk/cargo load		-
Vehicle height	H101	1255
Cowl point to ground	H114	885
Deck point to ground	H138	880
Rocker panel-front to ground	H112	165
Bottom of door closed-front to grd.	H133	250
Rocker panel-rear to ground	H111	145
Bottom of door closed-rear to grd.	H135	-

Ground Clearance*

Front bumper to ground	H102	385
Rear bumper to ground	H104	315
Bumper to ground [front at curb mass (wt.)]	H103	395
Bumper to ground [rear at curb mass (wt.)]	H105	400
Angle of approach (degrees)	H106	22.5°, 19° (With air dam)
Angle of departure (degrees)	H107	17.5°
Ramp breakover angle (degrees)	H147	12°
Rear axle differential to ground	H153	-
Min. running ground clearance	H156	110
Location of min. run. grd. clear.		Muffler

All linear dimensions are in millimeters (inches/mm); all mass (weight) specifications are in kilograms (pounds); and all angular dimensions in degrees.

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.
 Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)
Car and Body Dimensions

See Key Sheets for definitions

Car Line Mitsubishi Cordia
Model Year 1985 Issued 3-1-1984 Revised (●) _____

Body Type

SAE
Ref.
No.

Front Compartment

Sg RP front, "X" coordinate	L31	1315
Effective head room	H61	935
Max. eff. leg room (accelerator)	L34	1050
Sg RP (front to heel)	H30	235
Design H-point front travel	L17	180
Shoulder room	W3	1340
Hip room	W5	1360
Upper body opening to ground	H50	1165
Steering wheel angle	H18	22°
Back angle	L40	25°

Rear Compartment

Sg RP Point couple distance	L50	700
Effective head room	H63	905
Min. effective leg room	L51	770
Sg RP (second to heel)	H31	280
Knee clearance	L48	-80
Compartment room	L3	610
Shoulder room	W4	1270
Hip room	W6	1320
Upper body opening to ground	H51	-
Back angle	L41	26°

Luggage Compartment

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

Interior Volumes (EPA Classification)

Vehicle class		Subcompact cars
Interior volume index (cu. ft.)		91.3
Trunk/cargo index (cu. ft.)		13.567

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Mitsubishi Cordia

Model Year 1985 Issued 3-1-1984 Revised (●) _____

Body Type

SAE Ref. No.	A217A		A213A
	AMNJL	AMNUL, AMKUL, AMNXL, AMKXL	

Station Wagon – Third Seat

Shoulder room	W85	—
Hip room	W86	—
Effective leg room	L86	—
Effective head room	H86	—
Effective T-point head room	H89	—
Seat facing direction	SD1	—
Back angle	L88	—

Station Wagon – 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	—
Max. 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 [m ³ (ft. ³)]	V4	—
Cargo volume, index-rear of 2-seat	V10	—

Hatchback – Cargo Space

Front seat back to load floor height	H197	325
Cargo length at front seat back height	L208	1285
Cargo length at floor (front)	L209	1535
Cargo volume index [m ³ (ft. ³)]	V3	0.58 m ³
Hidden cargo volume [m ³ (ft. ³)]	V4	—
Cargo volume index-rear of 2-seat	V11	—

Aerodynamics*

Wheel lip to ground, front		
Wheel lip to ground, rear		
Frontal area [m ² (ft ²)]	1.718 (18.49)	1.741 (18.743)
Drag coefficient (Cd)		

* Describe measurement method.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Mitsubishi Cordia

Model Year 1985

Issued 3-1-1984

Revised (*)

Body Type

G63B (1.997 Liters)

M/T

A/T

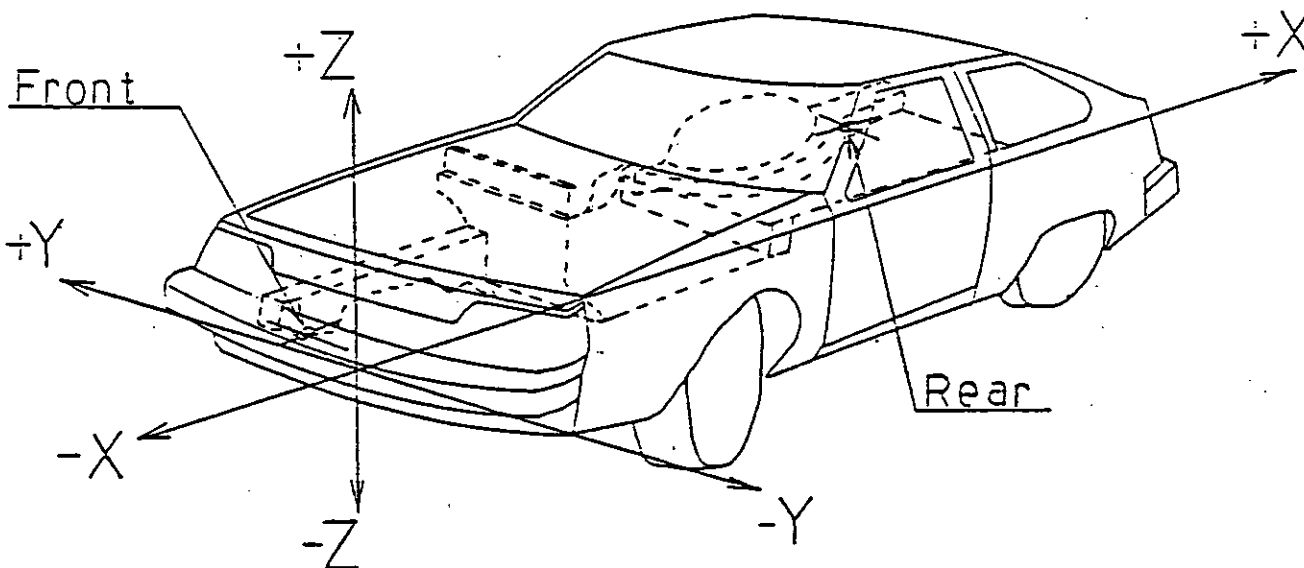
Vehicle Fiducial Marks

Fiducial Mark
Number*

Define Coordinate Location

Front

Rear



Detum 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.

Fiducial
Mark
Number

Front	W21	465	
	L54	-511	
	H81	106	
	H161	285	(-5.16TL, 0.84WL)
	H163		

Rear	W22	580	
	L55	2955	
	H82	241	
	H162	375	(29.5TL, 2.19WL)
	H164		

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks - September, 1973.
All linear dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Mitsubishi Cordia
 Model Year 1985 Issued 3-1-1984 Revised (*)

Body Type

SAE
Ref.
No.

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	635
		Lowest	635
	Taillamp (H128)	Highest**	805
		Lowest	802
	Sidemarker	Front	619
		Rear	689
Distance from C/L of car to center of bulb	Headlamp	Inside	390
		Outside**	573
	Taillamp	Inside	467
		Outside**	590
	Directional	Front	470
		Rear	580
	Headlamp shape		

* Measured at curb mass (weight).

** If single lamps are used enter here.

METRIC (U.S. Customary)

Model Year 1985 Issued 3-1-1984

[illegible]

Reference = SAE J1709a, Motor Vehicle Dimensions, curb weight definition.

** Shipping mass (weight) definition - Curb Weight minus Fuel (37 kg)

METRIC (U.S. Customary)

Car Line Mitsubishi Cordia

Model Year 1985 Issued 3-1-1984 Revised (*)

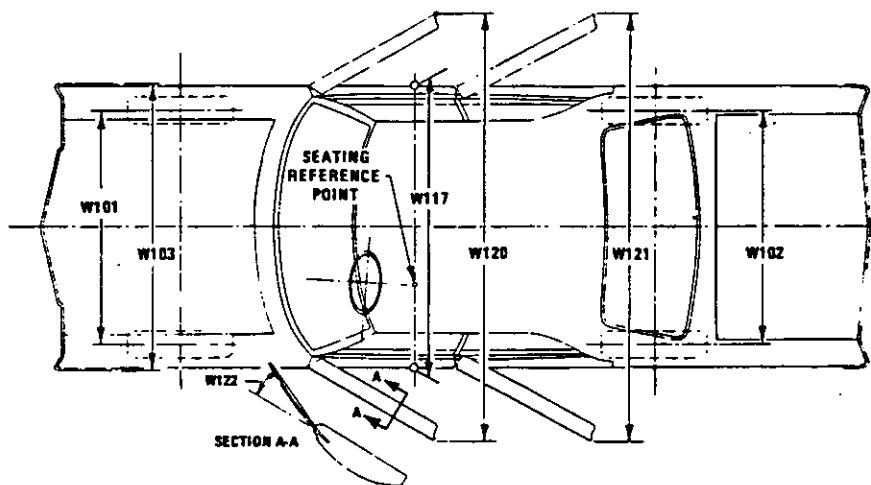
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* Also see Engine — General Section for dressed engine mass (weight).

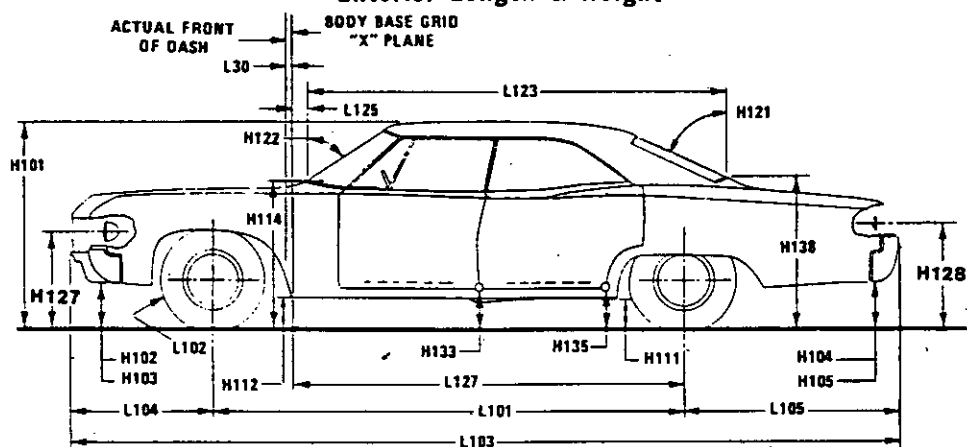
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

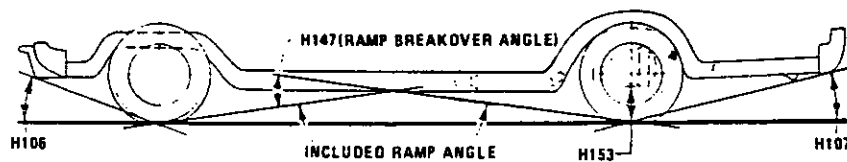
Exterior Width



Exterior Length & Height



Exterior Ground Clearance



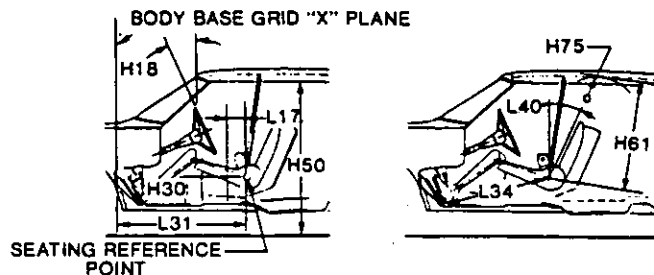
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Passenger Car

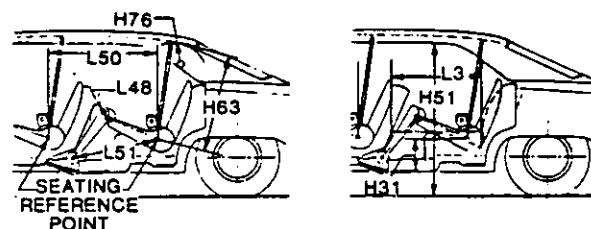
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

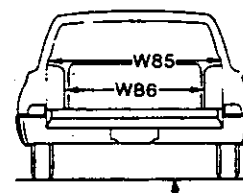
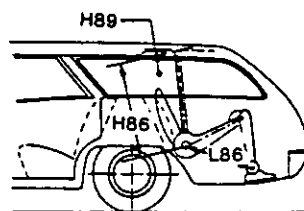
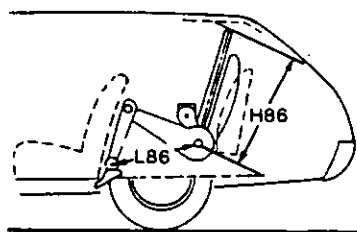
Front Compartment



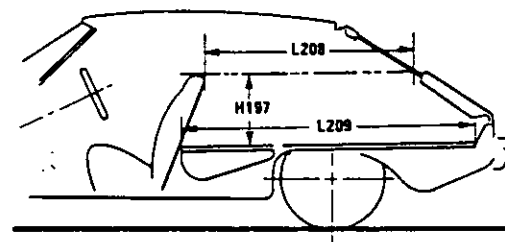
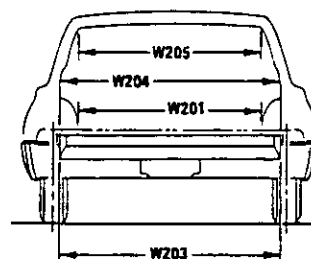
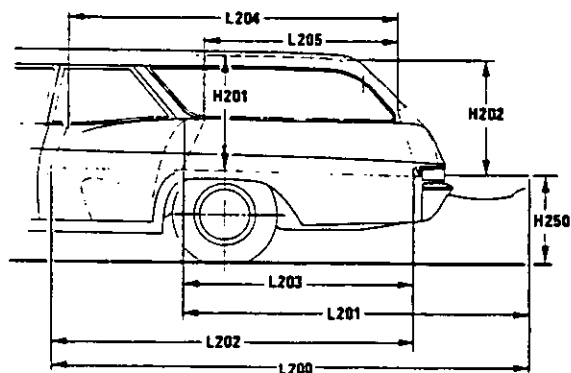
Rear Compartment



Third Seat



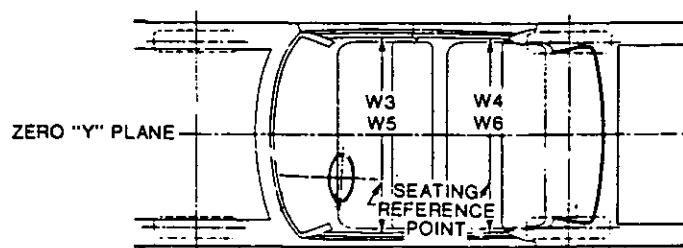
Cargo Space



Hatchback

Station Wagon

Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car 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, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

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 positions. 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.

Length Dimensions

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.
- 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.
- L102 TIRE SIZE. As specified by the manufacturer.
- 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 in the midpoint of the distance between the rear axle centerlines.
- L125 COWL POINT "X" COORDINATE.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- 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.
- H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, 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.
- H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- 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 are 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.
- H127 HEADLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

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 H104.
- 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.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are 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 are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 REAR 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.

Front Compartment Dimensions

- PD1 PASSENGER DISTRIBUTION—FRONT.
- L31 SgRP—FRONT "X" COORDINATED.
- 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.).
- H75 EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).
- 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.
- H30 SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.
- L17 DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.
- W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 254 mm (10.0 in.) above the SgRP—front.
- 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 the SgRP—front.
- 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.
- H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- 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.
- L40 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.

Rear Compartment Dimensions

- PD2 PASSENGER DISTRIBUTION—SECOND.
- L50 SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to 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.).
- H76 EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.
- 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.).
- 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.
- L48 KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).
- L3 COMPARTMENT ROOM—SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
- W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 254–406 mm (10.0–16.0 in.) above the SgRP—second.
- W6 HIP ROOM—SECOND. Measured in the same manner as W5.
- 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.
- L-41 Same as L-40.

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.
- H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

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 interior volume index is an estimate of the size of the passenger compartment.

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

Station Wagon – Third Seat Dimensions

- PD3 PASSENGER DIRECTION—THIRD.
- W85 SHOULDER ROOM—THIRD. Measured in the same manner as W5.
- W86 HIP ROOM—THIRD. Measured in the same manner as W5.
- 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.).
- 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.).
- H89 EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.
- L-88 Same as L-40.

Station Wagon – Cargo Space Dimensions

- L200 CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front

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Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Station wagon – Cargo Space Dimensions (con't.)

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 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 back panel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT—SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

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

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear door 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.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB MASS WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON

Measured in inches:

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

Measured in mm:

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

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

V10 STATION WAGON (REAR OF SECOND SEAT)

Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = \text{ft.}^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L205}{10^9} = \text{liters}$$

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 electrically adjusted seats, see the manufacturer's specifications for Design "H" Point).

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 vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.

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

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

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT—HATCHBACK. The horizontal dimension from the "X" plane tangent to 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 "Y" plane.

L211 CARGO LENGTH AT FLOOR—HATCHBACK—SECOND. The horizontal dimension 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.

V3 HATCHBACK:

Measured in inches:

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

Measured in mm:

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

V11 HATCHBACK (REAR OF SECOND SEAT)

Measured in inches:

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

Measured in mm:

$$\frac{W4 \times H198 \times \frac{L210 + L211}{2}}{10^9} = \text{liters}$$

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Passenger Car

METRIC (U.S. Customary)

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FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features;
indicate if new or model year introduced)

BODY:

- Aerodynamic style body (C_D : 0.33)
- Spacious wide interior
- Anti-corrosion treatment
- Safety body structure
- Sun roof (opt.)
- Rear spoiler & Front air dam skirt

CHASSIS:

- Front wheel drive
- Independent four wheel suspension
- Front ventilated disc brake
- Power steering
- Cruise control (opt.)

ENGINE:

- 1.8L engine with balancer shaft and MCA (Mitsubishi Clean Air) system
- ELC (Electronic Control) automatic transmission
- Super shift transmission (Twin-stic manual transmission, 4X2)

ELECTRICAL:

- Electronic automatic tuning radio (AM/FM/MPX) with cassette player with four speaker system
- Power window
- Variable intermittent wiper
- Digital quartz clock
- Power door lock (opt.)
- Power antenna

OTHER:

- Air mix type dual bi-level heater
- Air flow indicator
- Air conditioner (opt.)