

**Specifications**

**Form**

**Passenger Car**

**1983**

**METRIC (U.S. Customary)**

<b>Manufacturer</b>  Mitsubishi Motors Corporation	<b>Car Line</b> Dodge Colt(4D)	
<b>Mailing Address</b> CHRYSLER CORPORATION  DETROIT, MICHIGAN 48288	<b>Model Year</b>  1983	<b>Issued:</b> 3-1-82
		<b>Revised (•)</b>

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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.

# **MVMA Specifications Form**

## **Passenger Car**

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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	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Truck/Cargo Load—Kilograms (Pounds)
Dodge Colt		Dodge 4L44	(2/3)	
		Dodge 4L44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
		Dodge 4H44	(2/3)	
L2 :For 49 states L7 :For California				

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**Power Teams** (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

[illegible]

\* S—Single      D—Dual

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Engine Description/Carb.  
 Engine Code

G12B(1.410 Litres)	G32B(1.597 Litres)	
	MT*	AT**

**ENGINE — GENERAL**

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.)	In line, Front,, Transverse		
No. of cylinders	4		
Bore	74	76.9	
Stroke	82	86	
Bore spacing (c/l to c/l)	82	87.5	
Cylinder block material	Cast iron		
Cylinder block deck height	201	230.2	
Deck clearance (minimum) (above or below block)	Below 0.2	0	
Cylinder head material	Aluminun alloy		
Cylinder head volume (cm <sup>3</sup> )	34.3	38.5	
Head gasket thickness (compressed)	1.15	1.35	
Minimum combustion chamber volume (cm <sup>3</sup> )	45.2	53.2	
Cyl. no. system (front to rear)*	L. Bank	NA	
	R. Bank	NA	
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**	109	126	120

**Engine — Pistons**

Material	Aluminum alloy		
Mass, g (weight, oz.) — Piston Only	220 (8)	270 (10)	

**Engine — Camshaft**

Location	Center of IN. and EX. valve on cylinder-head		
Material (kg., weight, lbs.)	Cast iron		
Mass (kg., weight, lbs.)	2.45 (5.40)	2.41 (5.31)	
Type of drive (chain or belt)	Width	Belt 19.1	
	Pitch	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:

- \* M T: Manual Transmission
- \*\* A T: Automatic Transmission

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**Engine - Valve System**

Lifters (std., opt., n.a.)	Hydraulic	NA
	Solid	Std.

**Engine - Connecting Rods**

Material & mass (kg., weight, lbs.)	Drop-forged steel 0.490 (1.08)	Drop-forged steel 0.630 (1.39)
-------------------------------------	-----------------------------------	-----------------------------------

**Engine - Crankshaft**

Material (kg., weight, lbs.)	Cast iron	Drop-forged steel
Mass (kg., weight, lbs.)	10.0 (22.27)	12.4 (27.34)
End thrust taken by bearing (no.)	3	

**Engine - Lubrication System**

Normal oil pressure [kPa (psi) at engine rpm]	440 (63.8) 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.)	3.0 (2.6)	3.5 (3.1)

**Engine - Diesel Information**

Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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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	Mfgr.	Mikuni Co., Ltd. 28-32 DID TA	
	Choke (type)	Automatic	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	600 (Up to 300 mile) 650 (After 300 mile)
		Automatic	700 (Up to 300 mile) 750 (After 300 mile)
Idle A/F mix.			
Fuel injection	Point of injection (no.)		
	Constant, pulse, flow		
	Control (electronic, mech.)		
	System pressure [kPa (psi)]		
Intake manifold heat control (exhaust or water) thermostatic or fixed		Water fixed	
Air cleaner type	Standard	Dry Non-woven cloth	
	Optional	None	
Fuel pump	Type (elec. or mech.)	Mechanical	
	Location (eng., tank)	Engine	
	Pressure range [kPa (psi)]	18 to 26 (2.7 to 3.7)	16 to 24 (2.4 to 3.4)

**Fuel Tank**

Capacity [refill L (gallons)]		40 (10.6)
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.	Opt.
	Capacity [L (gallons)]	50 (13.2)
	Location & material	Underneath rear floorpan, steel
	Attachment	Strap
Auxiliary tank	Opt., n.a.	NA
	Capacity [L (gallons)]	NA
	Location & material	NA
	Attachment	NA
	Selector switch or valve	NA
	Separate fill	NA

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**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-belt			
	Bearing (type)	Ball integral shaft permanently sealed			
By-pass recirculation [type (inter., ext.)]		External			
Radiator core [type (cross-flow vertical cellular tube and fin, other) and material]		Tube and corrugated fin			
Cooling system capacity	With heater—L(qt.)	4.5	5.0	(4.75	5.28)
	With air cond.—L(qt.)	NA			
	Opt. equipment [specify—L(qt.)]	NA			
Water jackets full length of cyl. (yes, no)		Yes			
Water all around cylinder (yes, no)		No	Yes		
Radiator core	Standard	Width	418 (mm)		
		Height	300	325 (mm)	
		Thickness	32	49 (mm)	
		Fins per inch	15	13	
	A/C	Width	NA		
		Height	NA		
		Thickness	NA		
		Fins per inch	NA		
	Heavy duty	Width	NA		
		Height	NA		
		Thickness	NA		
		Fins per inch	NA		
Fan (standard)	Number of blades & type (flex, solid, material)				
	Diameter & projected width				
	Ratio (fan to crankshaft rev.)				
	Fan cutout type				
	Drive [type (direct, remote)]				
Fan (electric)	Fan shroud (material)				
	Diameter & projected width		250 (mm)		
	RPM at idle		2300		
	Motor rating (wattage)		80		
	Motor switch (type & location)		Thermo type in radiator		
	Switch point (temp., pressure)		85°C		
Fan (optional)	Fan shroud (material)		Steel		
	No. of blades and spacing				
	Diameter & projected width				
	Ratio (fan to crankshaft rev.)				
	Fan cut-out (type)				
Drive (type, direct, remote)					



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**Vehicle Emission Control**

Exhaust Emission Control	Type (air injection, engine modifications, other)		Engine modifications, Exhaust gas recirculation, Catalytic converter and Air induction
	Air Injection	Pump (type)	None
		Driven by	
		Air distribution (head, manifold, etc.)	
		Point of entry	
	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	Oxidation
		Number of	2
		Location(s)	In exhaust manifold & under floor
		Volume [L (in <sup>3</sup> )]	0.7 (43) + 1.0 (61)
		Substrate type	Monolith
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
Evapora- tive Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	Canister
	Vapor Storage provision (crankcase, canister, other)		Canister

**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	42.7 x 1.2 (front), 42.7 x 1.2 (rear) (mm)
	Material	Aluminized steel tube
Inter-mediate pipe	o.d. & wall thickness	38.1 x 1.2 (mm)
	Material	Aluminized steel tube
Tail pipe	o.d. & wall thickness	38.1 x 1.2 (mm)
	Material	Aluminized steel tube

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**Electrical – Supply System**

Battery	Voltage rtg. (V & total plates)	12V - 78 plates
	Minimum reserve cranking	70 min
	SAE capacity (amps)	375 AMPS at 0°F
	Location	Engine compartment
Generator or alternator	Type and rating	45
	Ratio (alt. crank/rev.)	2.22 : 1
	Optional (type & rating)	None
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

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**Electrical — Ignition System**

Type	Conventional (std., opt., n.a.)		NA
	Transistorized (std., opt., n.a.)		Std.
	Other (specify)		
Coil	Make		Diamond Electric Manufacturing Co., Ltd.
	Model		LB-119
	Current	Engine stopped — A	None
		Engine idling — A	1.4
Spark plug	Make NGK Spark Plug Co., Ltd. or Champion Spark Plug Co., Ltd. or NIPPON DENSO		
	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
Distributor	Make		Mitsubishi Electric Corp.
	Model		T4T634 or T4T621

**Electrical — Suppression**

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

**Electrical — Instruments and Equipment**

Speed-ometer	Type	In-line drive pointer
	Trip odometer (std., opt., n.a.)	Standard with combination meter
EGR maintenance indicator		NA
Charge indicator	Type	Voltage relay or moving iron
	Warning device	Light or drive pointer
Temperature indicator	Type	Electric thermal
	Warning device	Drive pointer
Oil pressure indicator	Type	Pressure switch or Electric thermal
	Warning device	Light or drive pointer
Fuel indicator	Type	Electric thermal
	Warning device	Drive pointer
Wind-shield wiper	Type (standard)	Electric two speed
	Type (optional)	Electric (rear windshield)
	Blade length	400 (mm)
	Swept area [cm <sup>2</sup> (in. <sup>2</sup> )]	4760 (738)
Wind-shield washer	Type (standard)	N.A.
	Type (optional)	Electric
	Fluid level indicator	Electric (Rear windshield)
Horn	Type	90 diameter
	Number used	One

Other

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G32B (1.597 Liters)

**Transmissions**

Manual 3-speed (std., opt., n.a.)	N.A.
Manual 4-speed (std., opt., n.a.)	Std. N.A.
Manual 5-speed (std., opt., n.a.)	N.A.
Manual overdrive (std., opt., n.a.)	N.A.
Automatic (std., opt., n.a.)	N.A. Std.
Automatic overdrive (std., opt., n.a.)	N.A.
Manual 4 x 2 -speed ("")	Std.

**Manual Transmission**

Number of forward speeds		4 x 2 "E"	4 x 2 "P"	4 x 2 "E"	4 x 2 "P"
Transmission ratios	In first	3.272	4.226	3.272	4.226
	In second	1.831	2.365	1.831	2.365
	In third	1.136	1.467	1.136	1.467
	In fourth	0.855	1.105	0.855	1.105
	In fifth				
	In overdrive				
	In reverse	3.181	4.109	3.181	4.109
Synchronous meshing (specify gears)		1, 2, 3, 4, E, P		1, 2, 3, 4, E, P	
Shift lever location		Floor			
Lubricant	Capacity [L (pt.)]		2.1 (4.5)		
	Type recommended		Multipurpose gear oil conforming to API GL-4		
	SAE viscosity number	Summer	SAE 75W-85W		
		Winter	SAE 75W-85W		
		Extreme cold	SAE 75W-85W		

**Clutch (Manual Transmission)**

Make & type		M/T 4 x 2 speed Daikin Manufacturing Co., Ltd.
Type pressure plate springs		Diaphragm
Total spring load [N (lb.)]		3432 (771)
No. of clutch driven discs		One
Clutch facing	Material	Woven Asbestos Ltd.
	Manufacturer	Hitachi Chemical Co., Ltd.
	Part number	None
	Rivets/plate	
	Rivet size	4 (mm)
	Outside & inside dia.	184 x 127 (mm)
	Total eff. area [cm <sup>2</sup> (in. <sup>2</sup> )]	278 (43.1)
	Thickness	3.2 (mm)
Engagement cushion method		Flat-wave springs
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated
Torsional damping	Method: springs, friction material	coil springs and friction washers

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**Automatic Transmission**

Trade name		Mitsubishi Motors Corp. KM170
Type (describe)		Torque converter with automatically operated planetary gear transmission
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 <sub>3</sub>	
	L <sub>2</sub>	2.846, 1.581
	L <sub>1</sub>	2.846
Max. upshift speed - drive range [km/h (mph)]		1-2 56(35), 2-3 106(66)
Max. kickdown speed - drive range [km/h (mph)]		2-1 41(26), 3-2 98(61)
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
Special transmission features		

**Axle or Front Wheel Drive Unit**

G12B (1.410 Liters)

G32B (1.597 Liters)

Type (front, rear)		Front
Description		Separable
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.)

		M-4 x 2	M-4 x 2	Automatic
Axle ratio or overall ratio				
No. of teeth	Pinion	17	17	20
	Ring gear or gear	59	59	56
Ring gear o.d.		175.4	175.4	166.2 (mm)
Transaxle	Transfer gear ratio			1.136
	Final drive ratio	3.470	3.470	2.800

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**Axle Shafts — Front Wheel Drive**

Number used		two	
Type (straight, solid bar, tubular, etc.)		Left	Straight bar
		Right	"
Outer diam. x length* x wall thickness	Manual transmission	Left	22 x 673
		Right	22 x 357
	Automatic transmission	Left	22 x 673
		Right	22 x 357
	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. or MMC
		Outer	"
	Number used		two x two
	Type, size, plunge	Inner	C.V. Joint
		Outer	"
	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)		"	

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

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A156A	A157A				
FBEL4,9	FKUL2	FBJL4,9	FKJL4,9	FBXL4,9	FKXL4,9

**Tires And Wheels (Standard)**

Tires	Size (load range, ply)		155SR13, B	P175/70 R13, B
	Type (bias, radial, etc.)		Radial	Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	216 (31)	165 (24)
		Rear [kPa (psi)]	216 (31)	165 (24)
	Rev./mile—at 70 km/h (45 mph)		918	915
Wheels	Type & material		Disc, Steel	Disc Aluminum
	Rim (size & flange type)		13x4J	13 x 4 1/2 J
	Wheel offset			46
	Attachment	Type (bolt or stud)		Stud
		Circle diameter		114.3
Spare	Number & size		Four, M12 x 1.5 (Metric)	
	Tire and wheel (same, if other describe)		T105/70 D14	155-13/6.15-13 High pressure tire, Special spare tire
	Storage position & location (describe)		On cargo floor	

**Tires And Wheels (Optional)**

Size (load range, ply)		P175/70R13, B
Type (bias, radial, etc.)		Radial
Wheel (type & material)		Disc Aluminum
Rim (size, flange type and offset)		13 x 4 1/2 J, 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 wheel
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

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Body Type And/Or  
 Engine Displacement

A156A	A157A				
FBEL4,9	FKUL2	FBJL4,9	FKJL4,9	FBXL4,9	FKXL4,9

**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	
Anti-skid device type (std., opt., n.a.)			N.A.	
Effective area [cm <sup>2</sup> (in. <sup>2</sup> )] *			FRONT ; 124(19.2) REAR ; 216(33.5)	
Gross lining area [cm <sup>2</sup> (in. <sup>2</sup> )] **			FRONT ; 124(19.2) REAR ; 216(33.5)	
Swept area [cm <sup>2</sup> (in. <sup>2</sup> )] ***			1399 (216.8)	
Rotor	Outer working diameter	F	22.7 (mm)	
		R	—	
	Inner working diameter	F	140 (mm)	
		R	—	
	Thickness	F	13 (mm)	
		R	—	
Material & type (vented/solid)	F	Cast iron (Solid)		
	R	—		
Drum	Diameter (nominal)	F	—	
		R	180 (mm)	
Type and material		Cast iron		
Wheel cyl- inder bore	Front	51.1 (mm)		
	Rear	19.05 (mm)		
Master cylinder	Bore	20.64 (mm)		
	Stroke	28 (mm)		
Pedal arc ratio			4.4	
Line pressure at 445 N (100 lb.) pedal load [kPa (psi)]			9559 (1386) at 0.68 bar Vacuum	
Lining clearance per shoe	Front	No major adjustment required		
	Rear	0.15 0.35 (self adjusting) (mm)		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded
		Rivet size		—
		Manufacturer		Akebono Brake Industry Ltd.
		Lining code		SUMITOMO AKS 35 GG
		Material		Molded
		****	Primary or out-board	76 x 40.9 x 9.7 (mm)
		Size	Secondary or in-board	76 x 40.9 x 9.7 (mm)
		Shoe thickness (no lining)		4.5 (mm)
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded
		Manufacturer		Akebono Brake Industry Ltd.
		Lining code		AKEBONO M22 FE
		Material		Molded
		****	Primary or out-board	156 x 35 x 5.1 (mm)
		Size	Secondary or in-board	156 x 35 x 5.1 (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 Dodge Colt,

(4D)

Model Year 1983

Issued

Revised (\*)

Body Type And/Or  
 Engine Displacement

A156A	A157A				
FBEL4,9	FKUL2	FBJL4,9	FKJL4,9	FBXL4,9	FKXL4,9

**Steering**

Manual (std., opt., n.a.)				Std.	
Power (std., opt., n.a.)				N.A.	
Adjustable steering wheel (tilt, swing, other)		Type and description		—	
		(Std., opt., n.a.)		—	
Wheel diameter		Manual		380 (mm)	
		Power		—	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		10.8 (m)	
		Curb to curb (l. & r.)		10.0 (m)	
	Inside rear	Wall to wall (l. & r.)		—	
		Curb to curb (l. & r.)		—	
Manual	Gear	Type		Rack & pinion	
		Make		KOYO SEIKO Co. Ltd.	
		Ratios	Gear	—	
			Overall	—	
	No. wheel turns (stop to stop)		3.9		3.2
	Power	Type (coaxial, linkage, etc.)		—	
Make		—			
Gear		Type		—	
		Ratios	Gear	—	
			Overall	—	
Pump (drive)		—			
No. wheel turns (stop to stop)		—			
Linkage	Type		Trailing, equal length tie rods		
	Location (front or rear of wheels, other)		Rear		
	Drag links (trans. or longit.)		—		
	Tie rods (one or two)		Two		
Steering axis	Inclination at camber (deg.)		13		
	Bearings (type)	Upper	Ball Bearing		
		Lower	Ball Joint		
		Thrust	—		
Steering spindle & joint type		Ball			
Wheel spindle	Diameter	Inner bearing	38.100 (mm)		
		Outer bearing	38.100 (mm)		
	Thread (size)		M22 x 1.5 (Metric)		
	Bearing (type)		Tapered roller		

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

Car Line Dodge Colt, (4D)  
Model Year 1983 Issued \_\_\_\_\_ Revised (\*) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

A156A	A157A				
FBEL4,9	FKUL2	FBJL4,9	FKJL4,9	FBXL4,9	FKXL4,9

**Wheel Alignment**

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	$1^{\circ} \pm 30'$
		Camber (deg.)	$1^{\circ} \pm 30'$
		Toe-in [outside track-mm (in.)]	3 -4 (0.118 0.157)
	Service reset*	Caster	
		Camber	
		Toe-in	
	Periodic M.V. in-spection	Caster	
		Camber	
		Toe-in	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	$-35' \pm 35'$
		Toe-in [outside track-mm (in.)]	$1.5 \pm 4.5$ (0.059 $\pm$ 0.177)
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. in-spection	Camber	
		Toe-in	

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

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

Car Line Dodge Colt, (4D)  
 Model Year 1983 Issued \_\_\_\_\_ Revised (\*) \_\_\_\_\_

Body Type And/Or  
 Engine Displacement

A156A		A157A			
FBEL4,9	FKUL2	FBJL4,9	FKJL4,9	FBXL4,9	FKXL4,9

**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.	
Special provisions for car jacking		Front	Rear
Shock absorber (front & rear)	Type	Strut type	Telescopic type
	Make	Kayaba Industry Co. Ltd.	Kayaba Industry Co. Ltd.
	Piston diameter	32	25 (mm)
Other special features		None	

**Suspension — Front**

Type and description		Independent strut type					
Travel	Full jounce	110					(mm)
	Full rebound	70					(mm)
Spring	Type (coil, leaf, other)	Coil					
	Material	9254 (Spring steel, Specified in SAE)					
	Size (coil design height & i.d., bar length x dia.)	318.8 115.1	340 115.1	328 115.1	340 115.1	328 115.1	340 115.1
	Spring rate [N/mm (lb./in.)]	21.3 (122)					
	Rate at wheel [N/mm (lb./in.)]	18.3 (105)					
Stabilizer	Type (link, linkless, frameless)	Link					
	Material & bar diameter	Steel (* NKHA55) 0.D.19, I.D.13.8				0.D.15.9, I.D.12.7	
* Specified in NIPPON KOUKAN CO. Ltd.							

**Suspension — Rear**

Type and description			Independent full trailing arm.		
Drive and torque taken through			—		
Travel	Full jounce		118		(mm)
	Full rebound		68		(mm)
Spring	Type (coil, leaf, other)		Coil		
	Material		9254 (Sprint steel, Specified in SAE)		
	Size (length x width, coil design height & i.d., bar length & dia.)		285, 96.7		275, 96.2
	Spring rate [N/mm (lb./in.)]		18.9 (108)		22.5 (129)
	Rate at wheel [N/mm (lb./in.)]		18.9 (108)		22.5 (129)
	Mounting insulation (type)		Rubber pad		
	If leaf	No. of leaves	—		
Shackle (comp. or tens.)		—			
Stabilizer	Type (link, linkless, frameless)		—		Link
	Material & bar diameter		—		SUP6 14.5
Track bar (type)					

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

Car Line Dodge Colt, (4D)  
 Model Year 1983 Issued 3-1-82 Revised (\*)

Body Type

G12B (1.4 Litres)	G32B (1.6 Litres)	
M/T	A/T	M/T

**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)	Gas. spring
	Internal release control (elec., mech., n.a.)	Mech.
Bumper front	Bar material & mass (wt.)	Steel (7.855 kg)
	Reinforcement material & mass (wt.)	—
Bumper rear	Bar material & mass (wt.)	Steel (8.100 kg)
	Reinforcement material & mass (wt.)	—
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

**Passive Restraint System**

Inflatable restraint system	Standard/optional	N.A.
	Type of charging system	—
	Location (stg. whl., instru. panel, other)	—
Passive seat belts	Standard/optional	N.A.
	Power/manual	—
	2 or 3 point	—
	Knee bar/lap belt	—

**Frame**

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

**METRIC (U.S. Customary)**

Revised (•)

G32B (1.597 Litres)

### Convenience Equipment

[illegible]

**MVMA Specifications Form**  
**Passenger Car**

Car Line Dodge Colt (4D)  
Model Year 1983 Issued 3-1-82 Revised (•) \_\_\_\_\_

**FEATURE HIGHLIGHTS**

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

---

**BODY:**

- Aerodynamic style body
- Sporty body side tape
- Spacious interior
- Sun roof

---

**CHASSIS:**

- Front-wheel drive
- Twin-stick transmission
- Cast aluminum road wheel
- Dual diagonal braking system

---

**ENGINE:**

- Fuel saving MCA-jet engine

---

**ELECTRICAL:**

- Electric remote control mirror
- Variable speed intermittent wiper
- Air-mix heater
- Digital clock
- AM/FM /MPX stereo radio

---

**OTHER:**

- Vanity mirror- driver and passenger sunvisor
- Color keyed instrument panel

**METRIC (U.S. Customary)**

Revised (●)

(2017)

\*\* Shipping mass (weight) definition —

Car Line Dodge Colt, (4D)  
Model Year 1983 Issued \_\_\_\_\_ Revised (\*) \_\_\_\_\_

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



# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line Dodge Colt, (4D)  
Model Year 1983 Issued 3-1-82 Revised (\*)

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

Body Type	SAE Ref. No.	Hatch Back	
		G12B (1.4 Litres)	G32B (1.6 Litres)

### Width

Tread (front)	W101	1375
Tread (rear)	W102	1340
Vehicle width	W103	1590
Body width at Sg RP (front)	W117	1575
Vehicle width (front doors open)	W120	3145
Vehicle width (rear doors open)	W121	3200

### Length

Wheelbase	L101	2380
Vehicle length	L103	4090
Overhang (front)	L104	855
Overhang (rear)	L105	855
Upper structure length	L123	2455
Rear wheel C/L "X" coordinate	L127	2380
Cowl point "X" coordinate	L125	400

### Height\*

Passenger distribution (frt./rear)	PD1,2,3	Front : 2, Rear : 3
Trunk/cargo load		—
Vehicle height	H101	1270
Cowl point to ground	H114	880
Deck point to ground	H138	815
Rocker panel-front to ground	H112	175
Bottom of door closed-front to grd.	H133	235
Rocker panel-rear to ground	H111	145
Bottom of door closed-rear to grd.	H135	220

### Ground Clearance\*

Front bumper to ground	H102	395
Rear bumper to ground	H104	305
Bumper to ground [front at curb mass (wt.)]	H103	395
Bumper to ground [rear at curb mass (wt.)]	H105	425
Angle of approach	H106	25.5°
Angle of departure	H107	16°
Ramp breakover angle	H147	11.5°
Rear axle differential to ground	H153	—
Min. running ground clearance	H156	90
Location of min. run. grd. clear.		Muffler

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

\* 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 Dodge Colt, (4D)  
Model Year 1983 Issued 3-1-82 Revised (•) \_\_\_\_\_

Body Type	Body Type	
	Hatch back	
	G12B (1.4 Litres)	G32B (1.6 Litres)

## Front Compartment

Sg RP front, "X" coordinate	L31	1280
Effective head room	H61	935
Max. eff. leg room (accelerator)	L34	1030
Sg RP (front to heel)	H30	255
Design H-point front travel	L17	180
Shoulder room	W3	1295
Hip room	W5	1310
Upper body opening to ground	H50	1250
Steering wheel angle	H18	22.5°
Back angle	L40	23°

## Rear Compartment

Sg RP Point couple distance	L50	735
Effective head room	H63	915
Min. effective leg room	L51	830
Sg RP (second to heel)	H31	280
Knee clearance	L48	+60
Compartment room	L3	660
Shoulder room	W4	1290
Hip room	W6	1115
Upper body opening to ground	H51	—

## Luggage Compartment

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

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 Dodge Colt, (4D)  
Model Year 1983 Issued 3-1-82 Revised (\*)

### Body Type

Body Type

SAE Ref. No.	Hatch back	
	G12B (1.4 Litres)	G32B (1.6 Litres)

### 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	

### 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 <sup>3</sup> (ft. <sup>3</sup> )]	V2	
Hidden cargo volume [m <sup>3</sup> (ft. <sup>3</sup> )]	V4	

### Hatchback – Cargo Space

Front seat back to load floor height	H197	400
Cargo length at front seat back height	L208	1155
Cargo length at floor (front)	L209	1495
Cargo volume index [m <sup>3</sup> (ft. <sup>3</sup> )]	V3	0.684
Hidden cargo volume [m <sup>3</sup> (ft. <sup>3</sup> )]	V4	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All 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 Dodge Colt, (4D)  
Model Year 1983 Issued 3-1-82 Revised (\*)

Body Type

Hatch back

Body Type

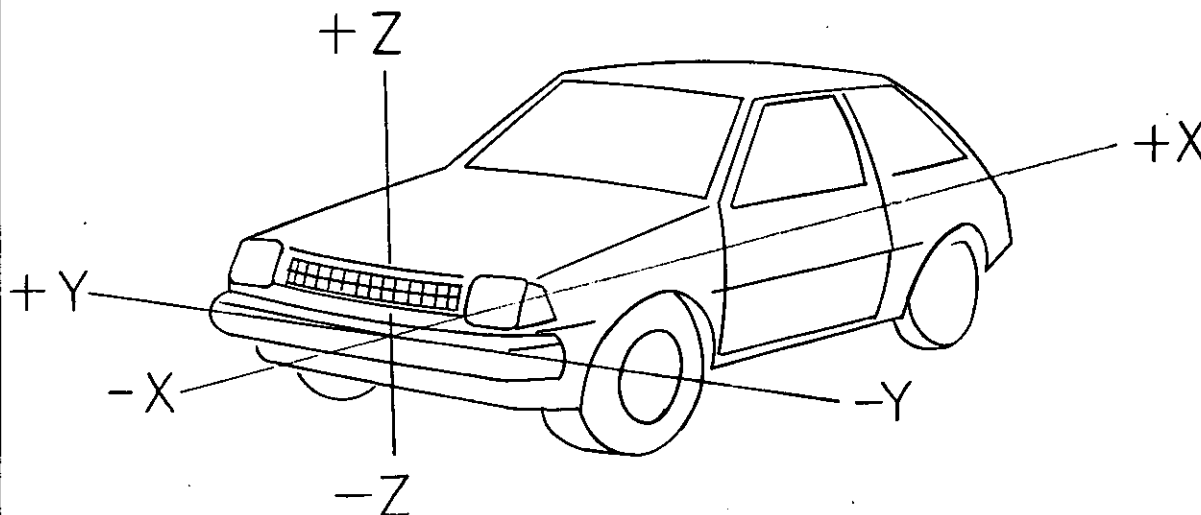
G12B (1.410 Litres) & G32B (1.597 Litres)

## 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 lower surface  
of the front floor panel.

Fiducial  
Mark  
Number

Front	W21	452
	L54	-390
	H81	105
	H161	319
	H163	

Rear	W22	506
	L55	2946
	H82	236
	H162	457
	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 Dodge Colt, (4D)  
Model Year 1983 Issued 3-1-82 Revised (\*)

Body Type

SAE Ref. No.	G12B (1.4 Litres)	G32B (1.6 Litres)	
	MT	MT	AT

## Glass

Backlight slope angle (deg.)	H121	51	(°)
Windshield slope angle (deg.)	H122	56	(°)
Tumble-Home (deg.)	W122	24	(°)
Windshield glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S1	7390 (1144)	
Side glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S2	10057 (1559)	
Backlight glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S3	5340 (828)	
Total glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]	S4	22787 (3531)	
Windshield glass (type)		Curved-Laminated plate	
Side glass (type)		Curved-Tempered plate	
Backlight glass (type)		Curved-Tempered plate	

## Lamps and Headlamp Shape\*

Lamps and Headlamp Swaps					
Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	660	(mm)	
		Lowest	—		
	Taillamp (H128)	Highest**	685	(mm)	
		Lowest	—		
	Sidemarker	Front	660	(mm)	
		Rear	670	(mm)	
Distance from C/L of car to center of bulb	Headlamp	Inside	—		
		Outside**	560	(mm)	
	Taillamp	Inside	—		
		Outside**	510	(mm)	
	Directional	Front	605	(mm)	
		Rear	660	(mm)	
	Headlamp shape			Rectangular	

\* Measured at curb mass (weight).

\*\* If single lamps are used enter here.

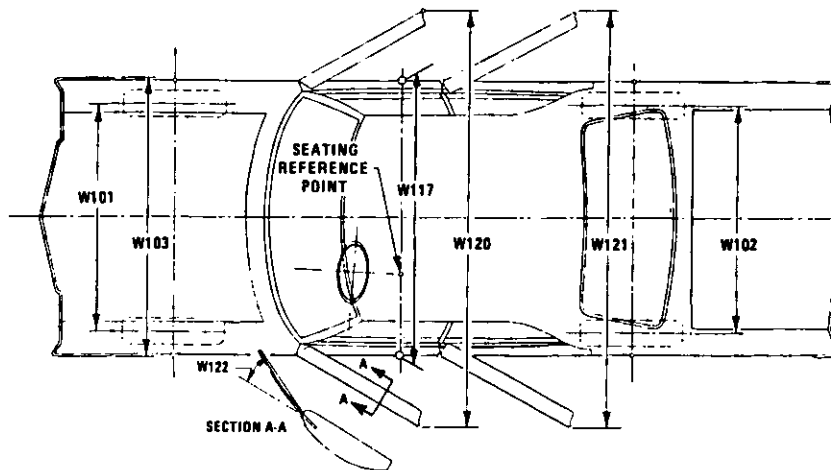
# MVMA Specifications Form

## Passenger Car

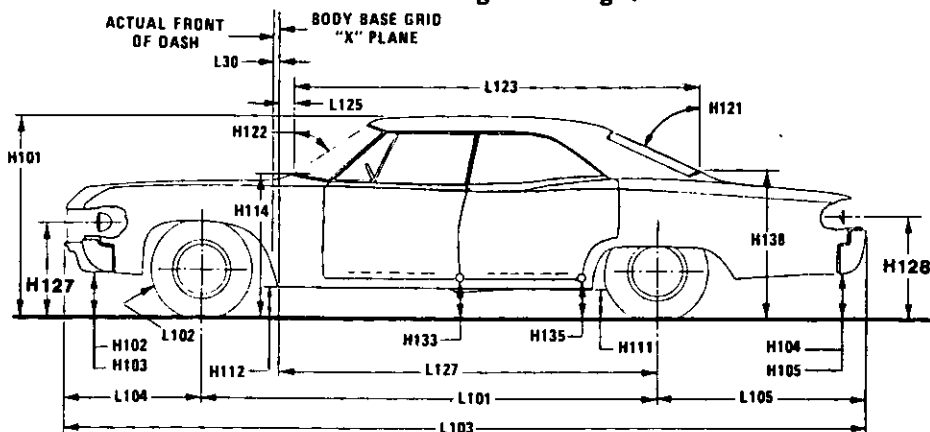
METRIC (U.S. Customary)

### Exterior Car And Body Dimensions — Key Sheet

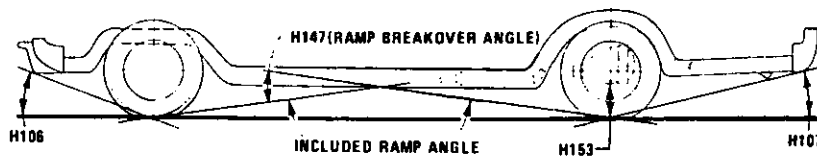
#### Exterior Width



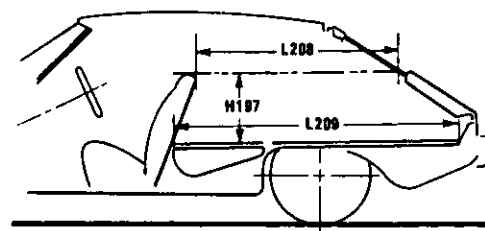
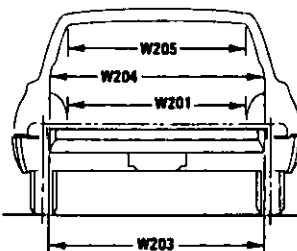
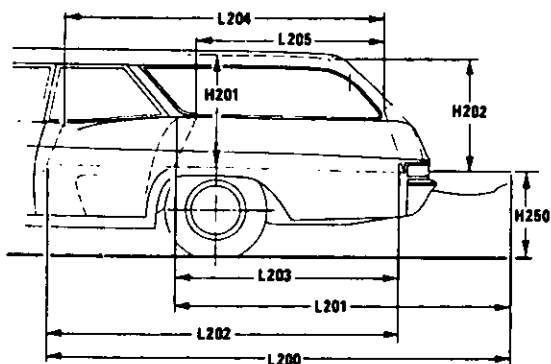
#### Exterior Length & Height



#### Exterior Ground Clearance



#### Cargo Space



#### Hatchback

#### Station Wagon

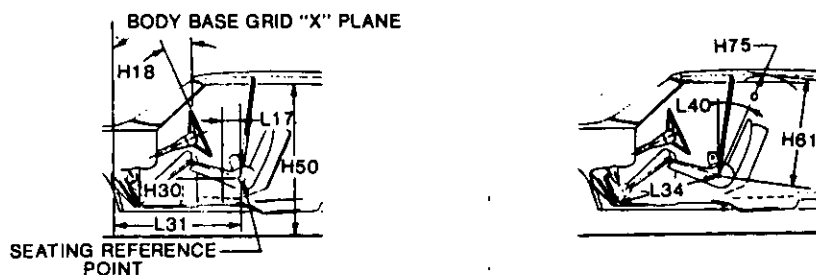
# MVMA Specifications Form

## Passenger Car

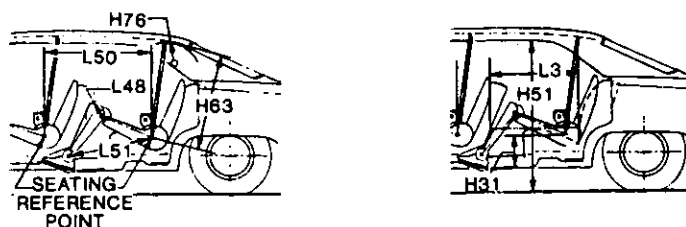
METRIC (U.S. Customary)

### Interior Car And Body Dimensions — Key Sheet

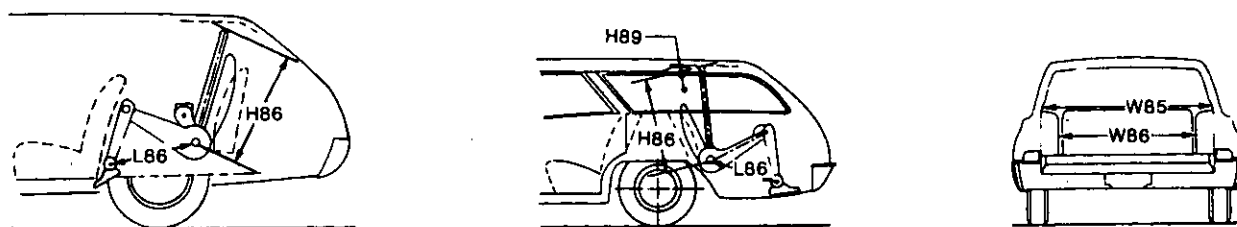
#### Front Compartment



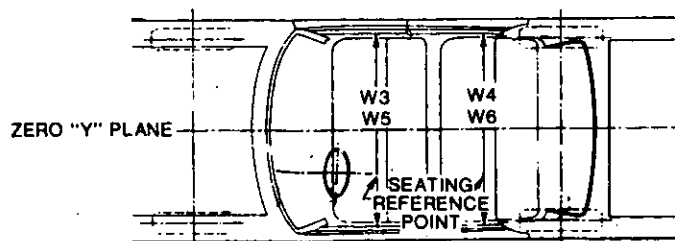
#### Rear Compartment



#### Third Seat



#### 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 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.

#### 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.



# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

#### Interior Car And Body Dimensions -- Key Sheet

##### Dimensions Definitions

- 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.
- 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.
- H150 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.
- 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 COUBLE 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.

#### 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.

#### 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.

# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

#### Interior Car And Body Dimensions – Key Sheet

##### Dimensions Definitions

##### Station Wagon – Cargo Space Dimensions

- L200** CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undeepressed floor covering to the rearmost point on the undeepressed 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 undeepressed 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 undeepressed floor covering to the rearmost point on the undeepressed 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 undeepressed floor covering to the rearmost point on the undeepressed 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 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 undeepressed 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 undeepressed 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 undeepressed 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.

##### 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 undeepressed floor covering.
- 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.
- V3** HATCHBACK.  
Measured in inches:  
$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{ft.}^3$$
  
Measured in mm:  
$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{m}^3(\text{cubic meter})$$

# MVMA Specifications Form

## Passenger Car

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