Specifications Form

Passenger Car

1983

METRIC (U.S. Customary)

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

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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 (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Truck/Cargo Load—Kilograms (Pounds)
Plymouth Colt,	A156AFBEL4		Plymouth 1L44	(2/3)	
	A156AFBEL9		Plymouth 1L44	(2/3)	
	A157AFBJL4		Plymouth 1H44	(2/3)	
	A157AFBJL9		Plymouth 1H44	(2/3)	
	A157AFKJL4		Plymouth 1H44	(2/3)	
	A157AFKJL9		Plymouth 1H44	(2/3)	
	A157AFBXL4		Plymouth 1H44	(2/3)	
	A157AFBXL9		Plymouth 1H44	(2/3)	
	A157AFKXL4		Plymouth 1H44	(2/3)	
	A157AFKXL9		Plymouth 1H44	(2/3)	

L4:For 49 states
L9: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.

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (std. first) (indicate A/C ratio)
	Displ. Liters (in^3)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM: kW (bhp)	SAE Net at RPM: Torque N - m (lb. ft.)	Exhaust System*		
A156A series	1.410 (86)	1 . 2B	8.8	48 (64) at 5000	106 (78) at 3000	S	Manual 4x2-speed	3.470
A157A series	1.597 (98)	1 . 2B	8.5	54 (72) at 5000	115 (85) at 3000	S	Automatic 3-speed	2.800

* 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^3)		34.3	38.5	
Head gasket thickness (compressed)		1.15	1.35	
Minimum combustion chamber volume (cm^3)		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 $\frac{(R+M)}{2}$		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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		MT	AT

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)
	Standard Height	300	325		(mm)
	Standard Thickness	32	32	49	(mm)
	Standard Fins per inch	15	13	13	
	A/C Width	NA			
	A/C Height	NA			
	A/C Thickness	NA			
	A/C Fins per inch	NA			
	Heavy duty Width	NA			
	Heavy duty Height	NA			
	Heavy duty Thickness	NA			
	Heavy duty 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 shroud (material)				
Fan (electric)	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 shroud (material)	Steel			
Fan (optional)	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^3)]	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
Evaporative 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
Intermediate 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^2 ($in.^2$)]	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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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^2 ($in.^2$)]	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_3	
	L_2	2.846, 1.581
	L_1	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	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 thick-ness	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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Engine Description/Carb. Engine Code	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	
		Number & size	Four, M12 x 1.5 (Metric)	
Spare	Tire and wheel (same, if other describe)		T105/70 D14	High pressure tire, 155-13/6.15-13 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^2 (in.^{2})] *				FRONT ; 124(19.2) REAR ; 216(33.5)	
Gross lining area [cm^2 (in.^{2})] **				FRONT ; 124(19.2) REAR ; 216(33.5)	
Swept area [cm^2 (in ^{2})] ***				1399 (216.8)	
Rotor	Outer working diameter	F		227	(mm)
		R		—	
	Inner working diameter	F		140	(mm)
		R		—	
	Thickness	F		13	(mm)
		R		—	
	Material & type (vented/solid)	F		Cast iron (Salid)	
		R		—	
Drum	Diameter (nominal)	F		—	
		R		180	(mm)
	Type and material			Cast iron	
Wheel cylinder 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	
		**** Size	Primary or out-board	76 x 40.9 x 9.7	(mm)
			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	
		**** Size	Primary or out-board	156 x 35 x 5.1	(mm)
			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 Plymouth, 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 Plymouth 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° ± 30'
		Camber (deg.)	1° ± 30'
		Toe-in [outside track-mm (in.)]	3 -4 (0.118 0.157)
	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 (0.059 ± 0.177)
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. inspection	Camber	
		Toe-in	

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

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

Car Line Plymouth 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 accl. 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) O.D.19, I.D.13.8				O.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	—		
	If leaf: 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 Plymouth 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

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

Car Line Plymouth Colt (4D)

Model Year 1983 Issued _____ Revised (•) _____

Body Type	G12B (1.410 Litres)	G32B (1.597 Litres)

Convenience Equipment

Power windows	Side windows	N.A.
	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		N.A.
Reclining front seat back (r-l or both)		Both
Radio (specify type as well as availability)		OPT. (AM or AM/FM)
Premium sound system (specify)		N.A.
Rear seat speaker		OPT.
Power antenna		N.A.
Clock		OPT.
Air conditioner (specify type)		OPT.
Speed warning device		N.A.
Speed control device		N.A.
Ignition lock lamp		N.A.
Dome lamp		Std.
Glove compartment lamp		N.A.
Luggage compartment lamp		OPT.
Underhood lamp		N.A.
Courtesy lamp		N.A.
Map lamp		N.A.
Cornering lamp		N.A.
Rear window defroster electrically heated		Std.
Rear window defogger		N.A.
T-bar roof (describe)		N.A.
Sun roof (describe)		N.A.
Theft protection—type		Disk tumbler, key locks on ignition switch, doors, fuel lid & gate

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

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

Car Line: Plymouth Colt (4D)
Model Year 1983 Issued 3-1-82 Revised (*)

Model	Vehicle Mass (weight)							
	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg. (weight, lb.)**
				Pass In Front		Pass In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
A156AFBEL4	535 (1179)	350 (772)	885 (1951)	50	50	15	85	855 (1885)
A156AFBEL9								
A157AFBJL4	560 (1235)	359 (791)	919 (2026)					889 (1960)
A157AFBJL9								
A157AFKJL4	572 (1261)	361 (796)	933 (2057)					903 (1991)
A157AFKJL9								
A157AFBXL4	566 (1248)	373 (822)	939 (2070)					901 (1986)
A157AFBXL9								
A157AFKXL4	580 (1279)	373 (822)	953 (2101)					915 (2017)
A157AFKXL9								

* Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition —

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

Car Line Plymouth Colt (4D)

Model Year 1983 Issued _____ Revised (*) _____

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb.)			Remarks
	Front	Rear	Total	
Radio (AM)	1.3	0.4	1.7	
	(2.8)	(0.9)	(3.7)	
Radio (AM/FM)	1.6	1.2	2.8	
	(3.5)	(2.7)	(6.2)	
Rear windshield wiper	0.3	1.3	1.6	
	(0.7)	(2.8)	(3.5)	

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

MVMA Specifications Form
Passenger Car

Car Line Plymouth Colt (4D)

Model Year 1983 Issued 3-1-82 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.	Body Type: 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. Manuafacturers 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 Plymouth Colt (4D)

Model Year 1983 Issued 3-1-82 Revised (•)

Body Type	SAE Ref. No.	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

Car Line Plymouth Colt (4D)

Model Year 1983 Issued 3-1-82 Revised (•)

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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 [$m^3(ft.^3)$]	V2	
Hidden cargo volume [$m^3(ft.^3)$]	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 [$m^3(ft.^3)$]	V3	0.684
Hidden cargo volume [$m^3(ft.^3)$]	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)

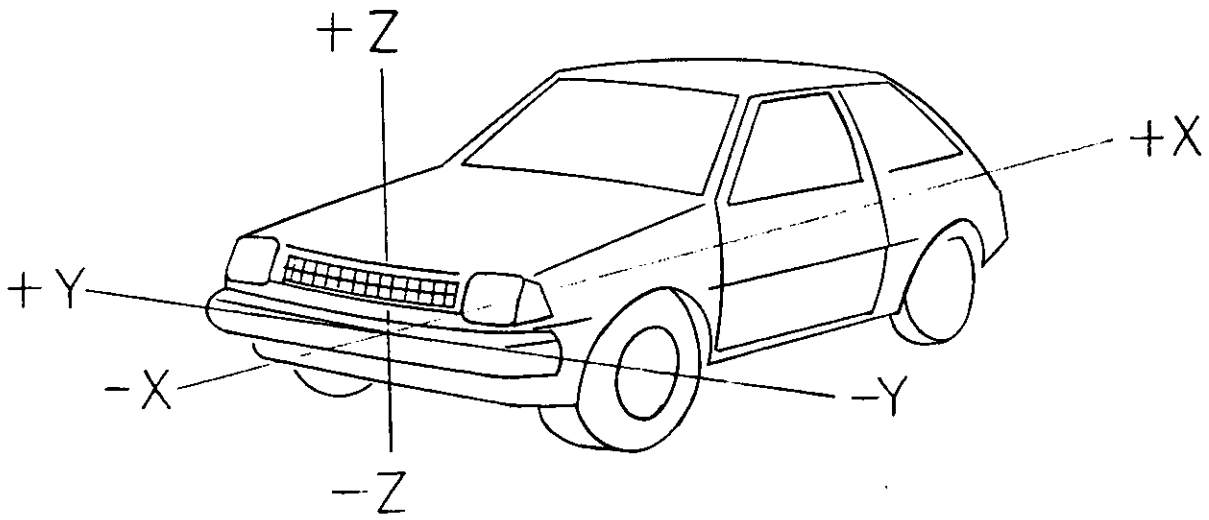
Car and Body Dimensions See Key Sheets for definitions

Car Line Plymouth Colt (4D)

Model Year 1983 Issued 3-1-82 Revised (•)

	Body Type
Body Type	Hatch back
	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

Car Line Plymouth Colt (4D)

Model Year 1983 Issued 3-1-82 Revised (•)

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

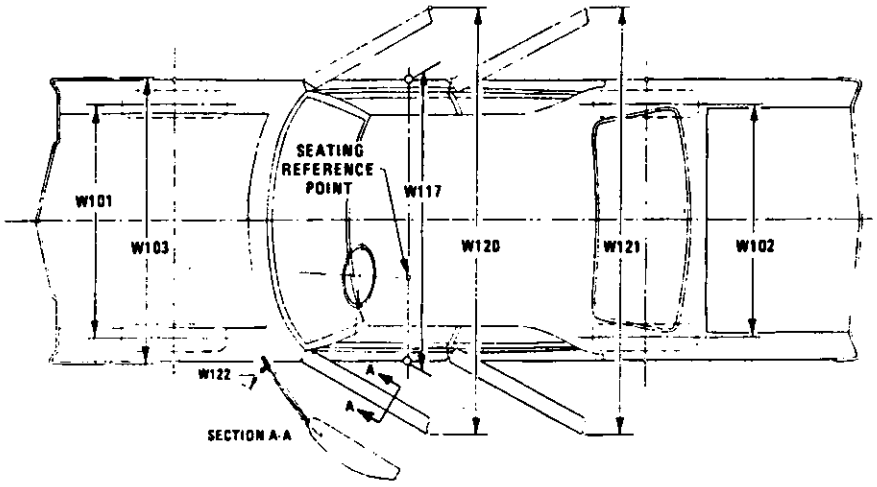
Body Type	SAE Ref. No.	G12B (1.4 Litres)	G32B (1.6 Litres)	
		MT	MT	AT
Glass				
Backlight slope angle (deg.)	H121	51		(°)
Windshield slope angle (deg.)	H122	56		(°)
Tumble-Home (deg.)	W122	24		(°)
Windshield glass exposed surface area [cm^2(in.^{2})]	S1	7390 (1144)		
Side glass exposed surface area [cm^2(in.^{2})]	S2	10057 (1559)		
Backlight glass exposed surface area [cm^2(in.^{2})]	S3	5340 (828)		
Total glass exposed surface area [cm^2(in.^{2})]	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*				
Height above ground to center of bulb or marker	Headlamp (H127) Highest**	660		(mm)
	Headlamp (H127) Lowest	—		
	Taillamp (H128) Highest**	685		(mm)
	Taillamp (H128) Lowest	—		
	Sidemarker Front	660		(mm)
	Sidemarker Rear	670		(mm)
Distance from C/L of car to center of bulb	Headlamp Inside	—		
	Headlamp Outside**	560		(mm)
	Taillamp Inside	—		
	Taillamp Outside**	510		(mm)
	Directional Front	605		(mm)
	Directional Rear	660		(mm)
Headlamp shape		Rectangular		

* Measured at curb mass (weight).
** If single lamps are used enter here.

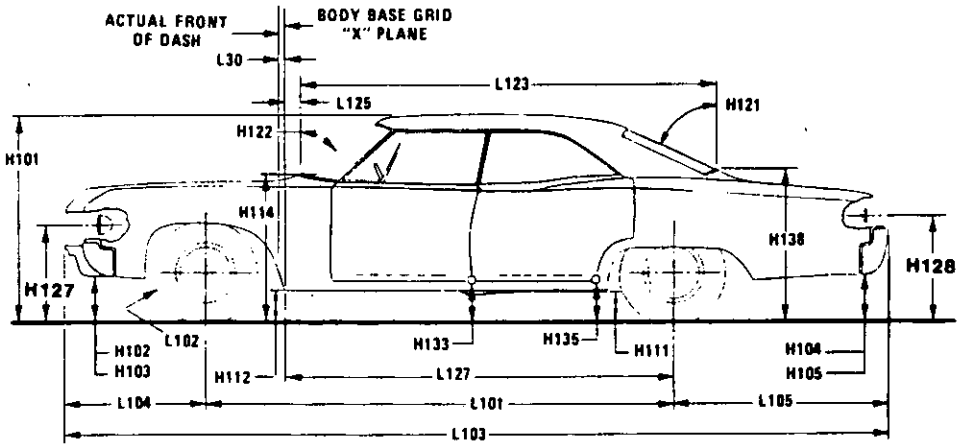
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions — Key Sheet

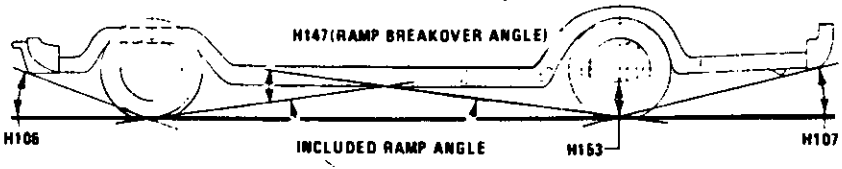
Exterior Width



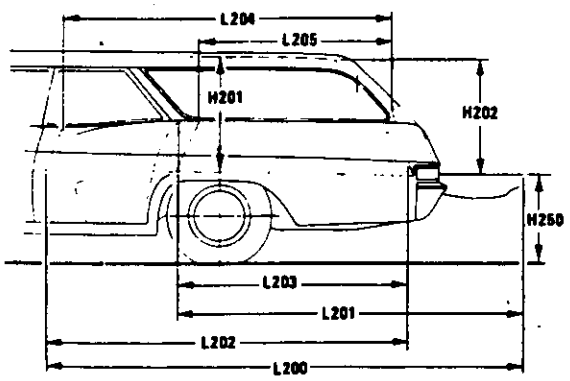
Exterior Length & Height



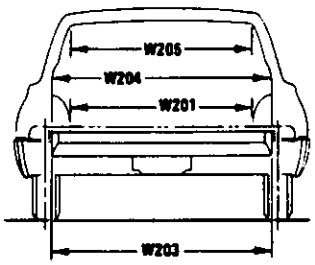
Exterior Ground Clearance

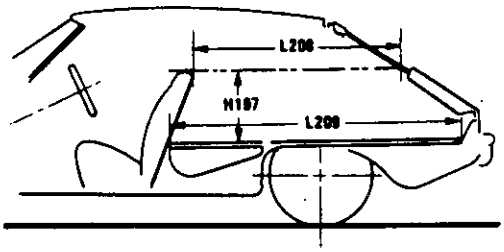


Cargo Space



Station Wagon



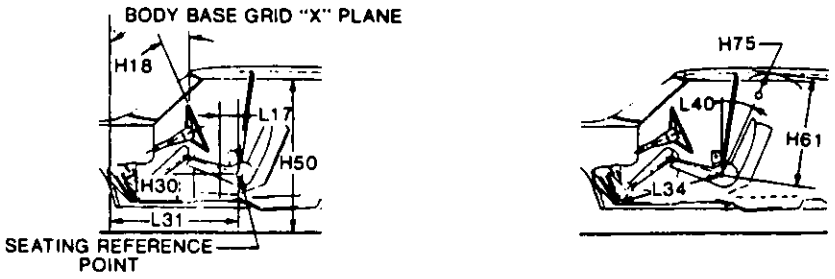


Hatchback

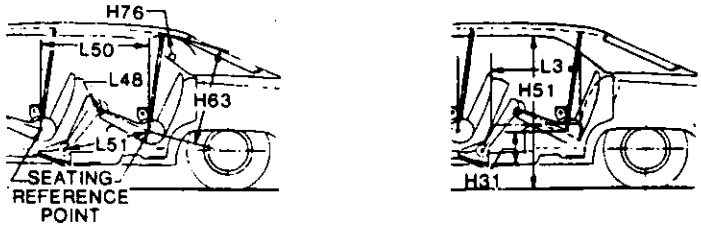
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

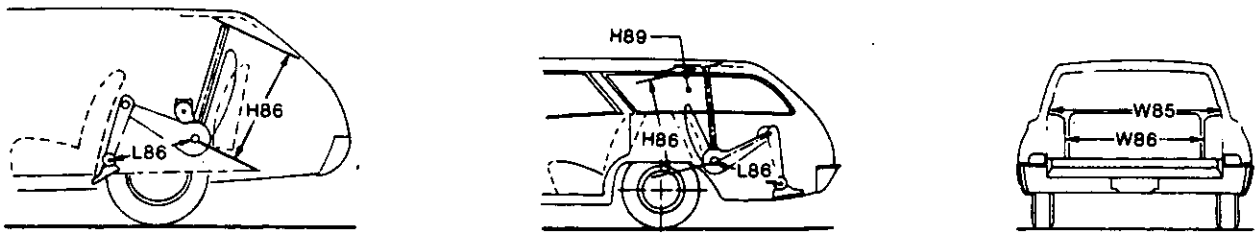
Front Compartment



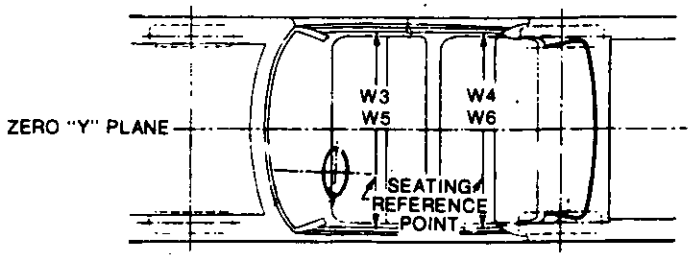
Rear Compartment



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 dimensional 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.

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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.

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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 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 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:

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

Measured in mm:

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

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 undepressed 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:

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

Measured in mm:

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

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