MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1992

Manufacturer	Vehicle Line
TOYOTA MOTOR CORPORATION	TOYOTA PASEO
Mailing Address Toyota Motor Sales, U.S.A., Inc. 2055 West 190th Street Torrance, California 90504	Issued: April, 1991 — Revised:

Direct questions concerning these specifications to the manufacturer listed above.

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

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

mvma
Motor Vehicle Manufacturers Association
of the United States, Inc.
Forms Provided by Technical Affairs Division

FORM MVMA-91

MVMA Specifications

METRIC (U.S. Customary)

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∅ **Indicates Format Change From Previous Year**

NOTE:

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

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Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (-) _____

Vehicle Origin

Design & development (company)	TOYOTA MOTOR CORPORATION
Where built (country)	JAPAN
Authorized U.S. sales marketing representative	Toyota Motor Sales, U.S.A., Inc.

∅ Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
2-Door, Coupe, FWD					
5E-FE, 4A/T		EL44L-DCPSKA	2/2	(25)	
5M/T		EL44L-DCMSKA	2/2	(25)	

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

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Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

			A	B	C	D
ENGINE	Engine Code		5E-FE	←		
	Displacement Liters (in³)		1.496	←		
	Induction system (FI, Carb, etc.)		FI	←		
	Compression ratio		9.4	←		
	SAE Net at RPM	Power kW (bhp)	74/6400 (100)	←		
		Torque N • m (lb. ft.)	123/3200 (91)	←		
	Exhaust single, dual		Single	←		
TRANS	Transmission/ Transaxle		4A/T	5M/T		
	Axle Ratio (std. first)		2.821	3.941		

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
2-door, Coupe, FWD			
5E-FE, 4A/T	EL44L-DCPSKA	A	-
5E-FE, 5M/T	EL44L-DCMSKA	B	-

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Engine Description / Engine Code	5E-FE

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		Inline, front, transverse, DOHC, pentroof
Manufacturer		TOYOTA MOTOR CORPORATION
No. of cylinders		4
Bore		74.0
Stroke		87.0
Bore spacing (C / L to C / L)		80.0
Cylinder block material & mass kg (lbs.) (machined)		Cast iron, 25.4
Cylinder block deck height		204.0
Cylinder block length		352.5
Deck clearance (minimum) (above or below block)		Above 0.7
Cylinder head material & mass kg (lbs.)		Aluminum alloy, 8.8
Cylinder head volume cm^3 ($inches^3$)		37.6
Cylinder liner material		N.A.
Head gasket thickness (compressed)		1.20
Minimum combustion chamber total volume cm^3 ($inches^3$)		44.5
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	–
Firing order		1-3-4-2
Intake manifold material & mass kg (lbs.)**		Aluminum alloy, Fed.=2.6(M/T), 3.3(A/T) Calif.=3.3
Exhaust manifold material & mass kg (lbs.)**		Cast iron, 2.7
Knock sensor (yes / no)		No
Fuel required unleaded, diesel, etc.		Unlead regular
Fuel antiknock index (R + M) ÷ 2		87 or higher
Engine mounts	Quantity	3
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	N.A.
Total dressed engine mass (wt) dry***		M/T=102(Fed.), 104(Calif.) A/T=97

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum alloy, 230

Engine – Camshaft

Location		Over cylinder head
Material & mass kg (weight, lbs.)		Cast iron, 1.7
Drive type	Chain / belt	Belt
	Width / pitch	26.0/8.0

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

** Finished state.

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

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Engine Description / Engine Code	5E-FE

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		N.A.
Valves	Number intake / exhaust	8/8
	Head O.D. intake / exhaust	28.5/24.5

Engine – Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged steel, 0.43
Length (axes C/L to C/L)	130.5 mm

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Cast iron, 10.0
End thrust taken by bearing (no.)		No.3
Length & number of main bearings		430.5, 5
Seal (material, one, two piece design, etc.)	Front	Acrylic rubber, one piece
	Rear	Fluoroelastmer, one piece

Engine – Lubrication System

Normal oil pressure kPa (psi) at engine rpm	390/3000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	2.9

Engine – Diesel Information

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

Engine – Intake System

Turbo charger - manufacturer	N.A.
Super charger - manufacturer	N.A.
Intercooler	N.A.

* Finished State

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Engine Description / Engine Code	5E-FE

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		Std.
Coolant fill location (rad., bottle)		Radiator
Radiator cap relief valve pressure kPa (psi)		88
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at °C (°F)	82
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	0.4
	Number of pumps	1
	Drive (V-belt, other)	V-belt
	Bearing type	Sealed, roller & ball
	Impeller material	Stainless steel
	Housing material	Aluminum alloy
By-pass recirculation type (inter., ext.)		External
Cooling system capacity	With heater – L(qt.)	M/T=5.0L A/T=5.4L
	With air conditioner – L(qt.)	M/T=5.0L A/T=5.4L
	Opt. equipment specify – L(qt.)	M/T=5.0L A/T=5.4L
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		No
Radiator core	Std., A/C, HD	Std.
	Type (cross-flow, etc.)	Vertical flow
	Construction (fin & tube mechanical, braze, etc.)	Corrugated fin
	Material, mass kg (wgt., lbs.)	Brass & copper, M/T=2.9, A/T=4.0
	Width	699
	Height	325
	Thickness	M/T=16, A/T=27
	Fins per inch	M/T=23, A/T=17
Radiator end tank material		Nylon 66 (30% glass fiber)
Fan	Std., elec., opt.	Elec.
	Number of blades & type (flex, solid, material)	M/T=5, Solid, resin A/T=4, Solid, resin
	Diameter & projected width	300, 34
	Ratio (fan to crankshaft rev.)	N.A.
	Fan cutout type	N.A.
	Drive type (direct, remote)	N.A.
	RPM at idle (elec.)	M/T=2180, A/T=2050
	Motor rating (wattage/elec.)	M/T=80, A/T=120
	Motor switch (type & location/elec.)	Water temperature, water inlet
	Switch point (temp./pressure/elec.)	90
	Fan shroud (material)	Polypropylene

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

Induction type: carburetor, fuel injection system, etc.		Fuel injection
Manufacturer		AISAN
Carburetor no. of barrels		N.A.
Idle A/F mix.		Approx. 14.7
Fuel injection	Point of injection (no.)	4
	Constant, pulse, flow	Pulse flow
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	250
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	Approx. 750
	Automatic	Approx. 750 at neutral
Intake manifold heat control (exhaust or water thermostatic or fixed)		N.A.
Air cleaner type		Dry, 1-element
Fuel filter (type/location)		Paper element
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel tank
	Pressure range kPa (psi)	250
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	Minimum 80 at 250

Fuel Tank

Capacity refill L (gallons)		45L
Location (describe)		Underside of rear seat floor
Attachment		Bolts and nuts
Material & Mass kg (weight lbs.)		Steel
Filler pipe	Location & material	Left rear quarter panel, steel pipe
	Connection to tank	Rubber hose
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	N.A.
	Capacity L (gallons)	–
	Location & material	–
	Attachment	–
Auxiliary tank	Opt., n.a.	N.A.
	Capacity L (gallons)	–
	Location & material	–
	Attachment	–
	Selector switch or valve	–
	Separate fill	–

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Engine Description / Engine Code	5E-FE

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Fed.=EFI/O_2S/TWC, Calif.=EFI/EGR/O_2S/TWC
	Air Injection	Pump or pulse	–
		Driven by	–
		Air distribution (head, manifold, etc.)	–
		Point of entry	–
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Fed. M/T=N.A. Fed. A/T, Calif.=EGR
		Exhaust source Point of exhaust injection (spacer, carburetor, manifold, other)	Fed. M/T=N.A. Fed. A/T, Calif.=Exhaust manifold Intake manifold
	Catalytic Converter	Type	TWC
		Number of	1
		Location(s)	Under floor
		Volume L (in³)	1.304
		Substrate type	Monolith
		Noble metal type	Pt, Rh
		Noble metal concentration (g/cm³)	Pt=1.59, Rh=0.29
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed
	Energy source (manifold vacuum, carburetor, other)		Manifold vacuum
	Discharges to (intake manifold, other)		Intake manifold
	Air inlet (breather cap, other)		Air cleaner hose
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	N.A.
	Vapor storage provision		Charcoal canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)		1, Reverse flow, straight thru Stainless steel, 5.5 (Reverse flow), 1.1 (Straight thru)
Resonator no. & type		N.A.
Exhaust pipe	Branch o.d., wall thickness	N.A.
	Main o.d., wall thickness	42.7, 1.2 (Reverse flow), 2.0 (Straight thru)
	Material & Mass kg (weight lbs)	Stainless steel, 5.2
Intermediate pipe	o.d. & wall thickness	42.7, 1.2 (Reverse flow), 1.5 (Straight thru)
	Material & Mass kg (weight lbs)	Stainless steel, 2.9
Tail pipe	o.d. & wall thickness	42.7, 1.0 (Reverse flow), 1.2 (Straight thru)
	Material & Mass kg (weight lbs)	Stainless steel, 6.9

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Engine Description / Engine Code	5E-FE

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

Manual 3-speed (manufacturer/country)	N.A.
Manual 4-speed (manufacturer/country)	N.A.
Manual 5-speed (manufacturer/country)	TOYOTA/JAPAN
Automatic (manufacturer/country)	N.A.
Automatic overdrive (manufacturer/country)	AISIN A.W./JAPAN

Manual Transmission/Transaxle

Number of forward speeds		5
Gear ratios	1st	3.545
	2nd	1.904
	3rd	1.310
	4th	0.969
	5th	0.815
	Reverse	3.250
Synchronous meshing (specify gears)		All forward speeds
Shift lever location		Floor
Trans. case mat'l. & mass kg (lbs)*		Aluminum die cast, 33.0
Lubricant	Capacity L (pt.)	2.4
	Type recommended	Multipurpose API GL-4
	SAE viscosity number	SAE 75W-90

Clutch (Manual Transmission)

Clutch manufacturer		AISIN SEIKI
Clutch type (dry, wet; single, multiple disc)		Single, dry
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic
Max. pedal effort (nom. spring load) N (lbs)	Depressed	106
	Released	86
Assist (spring, power/percent, nominal)		–
Type pressure plate springs		Diaphragm spring
Total spring load (nominal) N (lbs)		3920
Clutch facing	Facing mfgr. & material coding	NISSHINBO, CN504
	Facing material & construction	Semi mold
	Rivets per facing	16
	Outside x inside dia. (nominal)	200 x 140
	Total eff. area cm^2($in.^2$)	160 x 2
	Thickness (pressure plate side/fly wheel side)	3.5
	Rivet depth (pressure plate side/fly wheel side)	1.6
	Engagement cushion method	Wave spring segments
Release bearing type & method lub.		Self-centering ball bearing
Torsional damping method, springs, hysteresis		Single stage torsional rubbers with friction washer

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

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Engine Description / Engine Code	5E-FE

Automatic Transmission/Transaxle

Trade Name		A244E
Type and special features (describe)		Electronically controlled planetary gear train with lock up clutch torque converter
Gear selector	Location (column, floor, other)	Floor
	Ltr./No. designation (e.g. PRND21)	PRND2L
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	4.005
	2nd	2.208
	3rd	1.425
	4th	0.981
	Reverse	3.272
Max. upshift speed - drive range km/h (mph)		104
Max. kickdown speed - drive range km/h (mph)		98
Min. overdrive speed km/h (mph)		18
Torque converter	Number of elements	3
	Max. ratio at stall	2.5
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	230
	Capacity factor "K"*	N.A.
Lubricant	Capacity refill L (pt.)	3.3
	Type recommended	ATF DEXRON II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Std., liquid
Transmission mass kg (lbs) & case material**		74.5, Aluminum die cast

All Wheel / 4 Wheel Drive

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

* Input speed ÷ $\sqrt{\text{torque}}$

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

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

Effective final drive ratio (or overall top gear ratio)			2.821
Transfer ratio and method (chain, gear, etc.)			N.A.
Front drive unit	Ring gear o.d.		N.A.
	No. of teeth	Pinion	28
		Ring gear	79

Front Drive Unit

Description (integral to trans., etc.)		Fr.=Integral to trans., Rr.=N.A.
Limited slip differential (type)		N.A.
Drive pinion	Type	Helical
	Offset	N.A.
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	N.A.
	Bearing adjustment	N.A.
Driving wheel bearing (type)		Double angular ball bearing
Lubricant	Capacity L (pt.)	Included in trans.
	Type recommended	ATF DEXRON II

Axle Shafts – Front Wheel Drive

Manufacturer and number used			TOYOTA MOTOR CORPORATION, 2
Type (straight, solid bar, tubular, etc.)		Left	Solid
		Right	Solid
Outer diam. x length* x wall thickness	Manual transaxle	Left	22 x 379.9
		Right	26 x 606.2
	Automatic transaxle	Left	22 x 379.9
		Right	26 x 606.2
	Optional transaxle	Left	–
		Right	–
Slip yoke	Type		N.A.
	Number of teeth		N.A.
	Spline o.d.		N.A.
Universal joints	Make and mfg. no.	Inner	TOYOTA MOTOR CORPORATION
		Outer	TOYOTA MOTOR CORPORATION
	Number used		4=2 each shaft
	Type, size, plunge	Inner	Tripod, plunge
		Outer	Rzeppa, fixed
	Attach (u-bolt, clamp, etc)		Inner=spline and snap ring, Outer=spline and nut
	Bearing	Type (plain, anti-friction)	N.A.
		Lubrication (fitting, prepack)	N.A.
Drive taken through (torque tube, arms or springs)			MacPherson strut
Torque taken through (torque tube, arms or springs)			Engine mounting system

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

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Engine Description **Engine Code**	

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

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

Rear Axle Unit

Description		
Limited slip differential (type)		
Drive pinion	Type	
	Offset	
No. of differential pinions		
Pinion / differential	Adjustment (shim, etc.)	
	Bearing adjustment	
Driving wheel bearing (type)		
Lubricant	Capacity L (pt.)	
	Type recommended	

Propeller Shaft – Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			
Outer diam. x length* x wall thickness	Manual 3-speed transmission		
	Manual 4-speed transmission		
	Manual 5-speed transmission		
	Overdrive		
	Automatic transmission		
Inter-mediate bearing	Type (plain, anti-friction)		
	Lubrication (fitting, prepack)		
Slip yoke	Type		
	Number of teeth		
	Spline o.d.		
Universal joints	Make and mfg. no.	Front	
		Rear	
	Number used		
	Type (ball and trunnion, cross)		
	Rear attach (u-bolt, clamp, etc)		
	Bearing	Type (plain, anti-friction)	
		Lubrication (fitting, prepack)	
Drive taken through (torque tube, arms or springs)			
Torque taken through (torque tube, arms or springs)			

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

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Body Type And/Or Engine Displacement	All models

Suspension – General Including Electronic Controls

Car leveling	Standard/optional/not avail.		N.A.
	Manual/automatic control		–
	Type (air/hydraulic)		–
	Primary/assist spring		–
	Rear only/4 wheel leveling		–
	Single/dual rate spring		–
	Single/dual ride heights		–
	Provision for jacking		–
Shock absorber damping controls	Standard/option/not avail.		N.A.
	Manual/automatic control		–
	Number of damping rates		–
	Type of actuation (manual/electric motor/air, etc.)		–
	sensors	Lateral acceleration	–
		Deceleration	–
		Acceleration	–
		Road surface	–
Shock absorber (front & rear)	Type		Tube, double acting
	Make		Fr./Rr.=TOKICO/KAYABA
	Piston diameter		Fr./Rr.=30/25
	Rod diameter		Fr./Rr.=20/12.5

Suspension – Front

Type and description		MacPherson strut
Travel*	Full jounce	75
	Full rebound	90
Spring	Type (coil, leaf, other & material)	Coil, alloy steel
	Insulators (type & material)	Rubber (top only)
	Size (coil design height & i.d.)	M/T=without A/C; 299x(119-104), with A/C; 303x(118-103) A/T=without A/C; 308x(118-103), with A/C; 312x(118-103)
	Spring rate N/mm (lb./in.)	22.5
	Rate at wheel N/mm (lb./in)	21.0
Stablizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Alloy steel, 20

Suspension – Rear

Type and description			Torsion beam
Travel*	Full jounce		80
	Full rebound		73
Spring	Type (coil, leaf, other & material)		Coil, alloy steel
	Size (length x width, coil design height & i.d.)		305.5 x 72.6
	Spring rate N/mm (lb./in.)		22.5
	Rate at wheel N/mm (lb./in.)		20.0
	Insulators (type & material)		N.A.
	If leaf	No. of leaves	–
		Shackle (comp. or tens.)	–
Stabilizer	Type (link, linkless, frameless)		Frameless
	Material & bar diameter		Alloy steel, 25.4
Track bar (type)			Channel

* Define load condition:

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Body Type And/Or Engine Displacement	All models

Brakes – Service

Description			Four-wheel hydraulic actuation with diagonal, Front and rear circuits
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		HOSEI, disc, std.
	Rear (disc or drum)		HOSEI, drum, std.
Valving type (proportion, delay, metering, other)			P. valve
Power brake (std., opt., n.a.)			Std.
Booster type (remote, integral, vac., hyd., etc.)			Integral, vacuum
Vacuum	Source (inline, pump, etc.)		Inline
	Reservoir (volume in.³)		N.A.
	Pump-type (elec. gear driven, belt driven)		N.A.
Traction control	Operational speed range		N.A.
	Type engine intervention (electronic, mech.)		–
Anti-lock device	Front / rear (std., opt., n.a.)		N.A.
	Manufacturer		–
	Type (electronic, mech.)		–
	Number sensors or circuits		–
	Number anti-lock hydraulic circuits		–
	Integral or add-on system		–
	Yaw control (yes, no)		–
	Hydraulic power source (elec., vac. mtr., pwr. strg.)		–
Effective area cm²(in.²)*			337
Gross Lining area cm²(in.²)**(F/R)			164/173
Swept area cm²(in.²)***(F/R)			1167/283
Rotor	Outerworking diameter	F/R	252/N.A.
	Inner working diameter	F/R	162/N.A.
	Thickness	F/R	18/N.A.
	Material & type (vented/solid)	F/R	Cast iron, Ventilated/N.A.
Drum	Diameter & width	F/R	N.A./180, 25
	Type and material	F/R	N.A./Cast iron
Wheel cylinder bore			Fr./Rr.=51.10/17.46
Master cylinder	Bore/stroke	F/R	22.2/14.0
Pedal arc ratio			4.09
Line pressure at 445 N(100 lb.) pedal load kPa (psi)			9238(Vacuum=500mmHg)
Lining clearance		F/R	Self adjust
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Bonded
		Rivet size	–
		Manufacturer	SUMITOMO, AISIN, BENDIX, AKEBONO, NISSHINBO
		Lining code*****	–
		Material	Molded resin
		**** Primary or out-board	103 x 44 x 10
		Size Secondary or in-board	103 x 44 x 10
		Shoe thickness (no lining)	5.0
	Rear wheel	Bonded or riveted (rivets/seg.)	Bonded
		Manufacturer	NISSHINBO, AKEBONO
		Lining code*****	–
		Material	Molded resin
		**** Primary or out-board	173 x 25 x 4
		Size Secondary or in-board	173 x 25 x 4
		Shoe thickness (no lining)	1.6

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
**** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	All models

Tires And Wheels (Standard)

Tires	Size (load range, ply)		175/65 R14 82H AS
	Type (bias, radial, steel, nylon, etc.)		Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	180(26)
		Rear kPa (psi)	180(26)
	Rev./mile-at 70 km/h (45 mph)		911.5
Wheels	Type & material		Steel
	Rim (size & flange type)		14 x 5½J
	Wheel offset		39
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	100
		Number & size	4, M12 x 1.5
Spare	Tire and wheel		T115/70 D14
	Storage position & location (describe)		Flat in trunk well

Tires And Wheels (Optional)

Tire size (load range, ply)	185/60 R14 82H AS
Type (bias, radial, steel, nylon, etc.)	Radial
Wheel (type & material)	Steel
Rim (size, flange type and offset)	14 x 5½J, 39
Tire size (load range, ply)	185/60 R14 82H AS
Type (bias, radial, steel, nylon, etc.)	Radial
Wheel (type & material)	Aluminum alloy
Rim (size, flange type and offset)	14 x 5½JJ, 39
Tire size (load range, ply)	–
Type (bias, radial, steel, nylon, etc.)	–
Wheel (type & material)	–
Rim (size, flange type and offset)	–
Tire size (load range, ply)	–
Type (bias, radial, steel, nylon, etc.)	–
Wheel (type & material)	–
Rim (size, flange type and offset)	–
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	–

Brakes – Parking

Type of control		Hand operated
Location of control		Floor
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	–
	Lining size (length x width x thickness)	–

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	All models

Steering

Manual (std., opt., n.a.)				N.A.
Power (std., opt., n.a.)				Std.
Adjustable steering wheel/column (tilt, telescope, other)		Type		–
		Manufacturer		–
		(std., opt., n.a.)		N.A.
Wheel diameter** (W9) SAE J1100		Manual		–
		Power		365
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		10.7
		Curb to curb (l. & r.)		9.9
	Inside rear	Wall to wall (l. & r.)		4.9
		Curb to curb (l. & r.)		4.9
Scrub Radius*				3
Manual	Gear	Type		–
		Manufacturer		–
		Ratios	Gear	–
			Overall	–
	No. wheel turns (stop to stop)			–
Power	Type (coaxial, elec., hyd., etc.)			Integral type
	Manufacturer			TOYODA MACHINE WORKS
	Gear	Type		Rack and pinion
		Ratios	Gear	∞
			Overall	15.3
	Pump (drive)			V ribbed belt
	No. wheel turns (stop to stop)			2.66
Linkage	Type			Tie rod directly attached to rack end
	Location (front or rear of wheels, other)			Rear of wheels
	Tie rods (one or two)			2
Steering axis	Inclination at camber (deg.)			12°15'
	Bearings (type)	Upper		Ball bearing
		Lower		Boll joint
		Thrust		N.A.
Steering spindle/knuckle & joint type				MacPherson strut and ball joint

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
** See Page 22.

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•)

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	All models

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1°25'±45'
		Camber (deg.)	-25'±45'
		Toe-in outside track-mm (in.)	1±2
	Service reset*	Caster (deg.)	1°25' (preset)
		Camber (deg.)	-25' (preset)
		Toe-in - mm (in.)	1 (adjustable)
	Periodic M.V. inspection	Caster (deg.)	N.A.
		Camber (deg.)	N.A.
		Toe-in - mm (in.)	N.A.
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-30'±45'
		Toe-in outside track-mm (in.)	3±3
	Service reset*	Camber (deg.)	-30'±45' (preset)
		Toe-in - mm (in.)	3±3 (preset)
	Periodic M.V. inspection	Camber (deg.)	N.A.
		Toe-in - mm (in.)	N.A.

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

Electrical – Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)		Analog, round
	Trip odometer (std., opt., n.a.)		Std.
Head-up display	Standard, optional, not available		N.A.
	Type	Secondary, opto-electronic	-
	Speedometer	Digital	-
	Status / warning indicators	Turn signals, high beam, low fuel, check gauges	-
	Brightness control	Day / night mode, adjustable	-
EGR maintenance indicator			N.A.
Charge indicator	Type		Electrical
	Warning device (light, audible)		Light
Temperature indicator	Type		Electrical gauge
	Warning device (light, audible)		N.A.
Oil pressure indicator	Type		Electrical
	Warning device (light, audible)		Light
Fuel indicator	Type		Electrical gauge
	Warning device (light, audible)		N.A.
Windshield wiper	Type (standard)		-
	Type (optional)		-
	Blade length		LH=525, RH=450
	Swept area cm²(in.²)		6285.4 cm^2
Windshield washer	Type (standard)		Electric motor
	Type (optional)		-
	Fluid level indicator (light, audible)		-
Rear window wiper, wiper/washer (std., opt., n.a.)			Opt.
Horn	Type		Electric, Vibration
	Number used		1
Other			-

MVMA Specifications

Vehicle Line TOYOTA PASEO

Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)

Engine Description / Engine Code	All models

Electrical – Supply System

Battery	Manufacturer	FURUKAWA, MATSUSHITA, NIHON-DENCHI, SHIN-KOBE, YUASA
	Model, std., (opt.)	50D20R (55D23R)
	Voltage	12V
	Amps at 0°F cold crank	306 (356)
	Minutes-reserve capacity	78 (99)
	Amps/hrs.-20 hr. rate	50 (60)
	Location	Left front of engine conpartment
Alternator	Manufacturer	NIPPONDENSO
	Rating (idle/max. rpm)	12V-70A
	Ratio (alt. crank/rev.)	2.333
	Output at idle (rpm, park)	–
	Optional (type & rating)	12V-80A
Regulator	Type	IC regulator

Electrical – Starting System

Motor	Manufacturer	NIPPONDENSO
	Current drain _____ °C(°F)	–
	Power rating kw (hp)	Std.=0.8, Opt.=1.0
Motor drive	Engagement type	Solenoid shift
	Pinion engages from (front, rear)	From front

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)		Std.
	Other (specify)		–
Coil	Manufacturer		NIPPONDENSO
	Model		–
	Current	Engine stopped – A	
		Engine idling – A	
Spark plug	Manufacturer		NIPPONDENSO, NGK
	Model		K16R-U11, BKR5EYA11
	Thread (mm)		14
	Tightening torque N•m (lb. ft)		17.7
	Gap		1.1
	Number per cylinder		1
Distributor	Manufacturer		NIPPONDENSO
	Model		–

Electrical – Suppression

Locations & type	Flame spray coating rotor, Resistive high-tension cord, Resistive spark plug

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (-)

METRIC (U.S. Customary)

Body Type	All models

Body

Structure	–
Bumper system front - rear	Front=fascia, reinforcement Rear=fascia, energy absorber foam and reinforcement
Anti-corrosion treatment	–

Body – Miscellaneous Information

Type of finish (lacquer, enamel, other)			Thermosetting amino-alkyd enamel, acrylic enamel
Hood	Material & mass		–
	Hinge location (front, rear)		Rear
	Type (counterbalance, prop)		Prop
	Release control (internal, external)		Internal
Trunk lid	Material & mass		–
	Type (counterbalance, other)		Counterbalance
	Internal release control (elec., mech., n.a.)		Mechanical
Hatch-back lid	Material & mass		–
	Type (counterbalance, other)		–
	Internal release control (elec., mech., n.a.)		–
Tailgate	Material & mass		–
	Type (drop, lift, door)		–
	Internal release control (elec., mech., n.a.)		–
Vent window control (crank, friction, pivot, power)		Front	N.A.
		Rear	N.A.
Window regulator type (cable, tape, flex drive, etc.)		Front	Arm & sector gear
		Rear	–
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)		Front	Panel frame + spring + formed pad
		Rear	Wire frame + formed pad
		3rd seat	N.A.
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)		Front	Pipe frame + spring + formed pad
		Rear	Panel frame + pipe frame + formed pad
		3rd seat	N.A.

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (-)

METRIC (U.S. Customary)

Body Type	All models

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / optional	First seat	N.A.	N.A.	N.A.
		Second seat	Std.=3-point, ELR	N.A.	Std.=3-point, ELR
		Third seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual - lap belt) Standard / optional	First seat	Std.=Non-motorized 2-point(ELR), lap (ELR), knee bolster	N.A.	Std.=Non-motorized 2-point(ELR), lap (ELR), knee bolster
		Second seat	N.A.	N.A.	N.A.
		Third seat	N.A.	N.A.	N.A.

Glass	SAE Ref. No.	
Windshield glass exposed surface area $cm^2(in.^2)$	S1	8400
Side glass exposed surface area $cm^2(in.^2)$ - total 2-sides	S2	6770
Backlight glass exposed surface area $cm^2(in.^2)$	S3	8600
Total glass exposed surface area $cm^2(in.^2)$	S4	23770
Windshield glass (type)		Curved-laminated glass
Side glass (type)		Curved-tempered glass
Backlight glass (type)		Curved-tempered glass

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Replaceable halogen
Shape	Aerodynamic-flush mounted
Lo-beam type (2A1, 2B1, 2C1, etc.	N.A.
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	-
Quantity	-

Frame

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

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)

Body Type	All models

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

Air conditioning (manual, auto. temp control)		Manual = Opt. Auto temp. control = N.A.
Clock (digital, analog)		Opt. digital
Compass / thermometer		N.A.
Console (floor, overhead)		–
Defroster, elec. backlight		Std.
Electronic	Diagnostic monitor (integrated, individual)	–
	Instrument cluster (list instruments)	–
	Keyless entry	–
	Tripminder (avg. spd., fuel)	–
	Voice alert (list items)	–
	Other	–
Fuel door lock (remote, key, electric)		Remote
Lamps	Auto head on / off delay, dimming	–
	Cornering	N.A.
	Courtesy (map, reading)	Std.=Map
	Door lock, ignition	–
	Engine compartment	–
	Fog	N.A.
	Glove compartment	N.A.
	Trunk	Std.
	Illuminated entry system (list lamps, activation)	–
	Other	N.A.
Mirrors	Day / night (auto. man.)	–
	L.H. (remote, power, heated)	Std.=Remote
	R.H. (convex, remote, power, heated)	Std.=Convex remote
	Visor vanity (RH / LH, illuminated)	–
Navigation system (describe)		N.A.
Parking brake-auto release (warning light)		Warning light

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)

Body Type	All models

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

Power equipment	Deck lid (release, pull down)		–
	Door locks (manual, automatic, describe system)		Manual
	Seats	2 - 4 - 6 way, etc.	N.A.
		Reclining (R.H., L.H.)	N.A.
		Memory (R.H., L.H., preset recline)	N.A.
		Support (lumbar, hip, thigh, etc.)	N.A.
		Heated (R.H., L.H., other)	N.A.
	Side windows		–
	Vent windows		–
	Rear windows		–
Radio systems	Antenna (location, whip, w / shield, power)		Std.=Whip antenna at FR piller Opt.=Antenna less
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM MPL ETR 2sp
	Optional		AM/FM MPL ETR, Cassette 4sp Radio less
	Speaker (number, location)		Std. 2=Fr. doors Opt. 4=2 + rear trays, 0=Speaker less
Roof: open air or fixed (flip-up, sliding, "T")			Opt.=Detachable
Speed control device			Opt.
Speed warning device (light, buzzer, etc.)			N.A.
Tachometer (rpm)			Std.
Telephone system (describe)			N.A.
Theft deterrent system			N.A.

∅ Trailer Towing

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

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

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions See Key Sheets for definitions

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

Body Type	SAE Ref. No.	All models
Width		
Tread (front)	W101	1405
Tread (rear)	W102	1395
Vehicle width	W103	1655
Body width at Sg RP (front)	W117	1644
Vehicle width (front doors open)	W120	3445
Vehicle width (rear doors open)	W121	--
Tumble-home (degrees)	W122	25
Outside mirror width	W410	
Length		
Wheelbase	L101	2380
Vehicle length	L103	4145
Overhang (front)	L104	920
Overhang (rear)	L105	840
Upper structure length	L123	2442
Rear wheel C/L "X" coordinate	L127	2380
Height **		
Passenger distribution (front/rear)	PD1,2,3	**
Trunk/cargo load		**
Vehicle height	H101	1275
Cowl point to ground	H114	885
Deck point to ground	H138	930
Rocker panel-front to ground	H112	195
Rocker panel-rear to ground	H111	205
Windshield slope angle (degrees)	H122	64
Backlight slope angle (degrees)	H121	72
Ground Clearance **		
Front bumper to ground	H102	235
Rear bumper to ground	H104	275
Bumper to ground front at curb mass (wt.)	H103	250
Bumper to ground rear at curb mass (wt.)	H105	300
Angle of approach (degrees)	H106	22
Angle of departure (degrees)	H107	19
Ramp breakover angle (degrees)	H147	17
Axle differential to ground (front/rear)	H153	145
Min. running ground clearance	H156	130
Location of min. run. grd. clear.		Front stabilizer

*** All Vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions.*

EPA Loaded Vehicle Weight is the Base Vehicle Weight Plus All Coolant And Fluids Necessary For Operation Plus 100% Of The Fuel Capacity, Plus The Weight Of All Options And Accessories Which Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line, Plus Two Occupants.

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	All models
Front Compartment		
SgRP front, "X" coordinate	L31	1308
Effective head room	H61	956.6 (Normal roof), 947.2 (Moon roof)
Max. eff. leg room (accelerator)	L34	1044.9
SgRP to heel point	H30	225.5
SgRP to heel point	L53	828.2
Back angle (degrees)	L40	25
Hip angle (degrees)	L42	91.7
Knee angle (degrees)	L44	119.6
Foot angle (degrees)	L46	87
Design H-point front travel	L17	208.4
Normal driving & riding seat track trvl.	L23	208.4
Shoulder room	W3	1362.4
Hip room	W5	1364.4
*** Upper body opening to ground	H50	1937.8
Steering wheel maximum diameter*	W9	
Steering wheel angle (degrees)	H18	24.3
Accel. heel pt. to steer. whl. cntr	L11	
Accel. heel pt. to steer. whl. cntr	H17	
Undepressed floor covering thickness	H67	18.0

Front Compartment Interior Dimensions Are Measured With The Seating Reference Point (SgRP) 0 m Forward And 0 mm Upward of Rearmost Position.

Rear Compartment		
SgRP point couple distance	L50	682.0
Effective head room	H63	812.5
Min. effective leg room	L51	761.3
SgRP (second to heel)	H31	297.4
Knee clearance	L48	N.A.
Shoulder room	W4	1330.4
Hip room	W6	1244.0
*** Upper body opening to ground	H51	–
Back angle (degrees)	L41	26.0
Hip angle (degrees)	L43	85.2
Knee angle (degrees)	L45	73.4
Foot angle (degrees)	L47	109.4
Depressed floor covering thickness	H73	7.0

Luggage Compartment		
Usable luggage capacity L (cu. ft.)	V1	218
*** Liftover height	H195	700

Interior Volumes (EPA Classification)		
Vehicle class		Mini compact car
Interior volume index (cu. ft.)**		84.9
Trunk / cargo index (cu. ft.)		7.7

* See page 14.
** Includes passenger and trunk / cargo index - see definition page 32.
All linear dimensions are in millimeters (inches).
*** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

METRIC (U.S. Customary)
Vehicle Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	All models
Station Wagon – Third Seat		
Seat facing direction	SD1	–
SgRP couple distance	L85	–
Shoulder room	W85	–
Hip room	W86	–
Effective leg room	L86	–
Effective head room	H86	–
SgRP to heel point	H87	–
Knee clearance	L87	–
Back angle (degrees)	L88	–
Hip angle (degrees)	L89	–
Knee angle (degrees)	L90	–
Foot angle (degrees)	L91	–
Station Wagon – Cargo Space		
Cargo length (open front)	L200	–
Cargo length (open second)	L201	–
Cargo length (closed front)	L202	–
Cargo length (closed second)	L203	–
Cargo length at belt (front)	L204	–
Cargo length at belt (second)	L205	–
Cargo width (wheelhouse)	W201	–
Rear opening width at floor	W203	–
Opening width at belt	W204	–
Min. rear opening width above belt	W205	–
Cargo height	H201	–
Rear opening height	H202	–
* Tailgate to ground height	H250	–
Front seat back to load floor height	H197	–
Cargo volume index $m^3(ft.^3)$	V2	–
Hidden cargo volume index $m^3(ft.^3)$	V4	–
Cargo volume index-rear of 2-seat	V10	–
Hatchback – Cargo Space		
Cargo length at front seatback height	L208	–
Cargo length at floor (front)	L209	–
Cargo length at second seatback height	L210	–
Cargo length at floor (second)	L211	–
Front seatback to load floor height	H197	–
Second seatback to load floor height	H198	–
Cargo volume index $m^3(ft.^3)$	V3	–
Hidden cargo volume index $m^3(ft.^3)$	V4	–
Cargo volume index-rear of 2-seat	V11	–

* EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line TOYOTA PASEO
Model Year 1992 Issued April, '91 Revised (•) _____

Body Type	All models

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		Center of the installation hole of seat track outer on front floor cross-member, both sides.
Rear		Center of the installation hole of rear seat belt lap outer anchorage, both sides.
Fiducial Mark Number		
Front	W21*	W5 + 58
	L54*	L19 + 39.9
	H81*	H10 + 68.7
	H161*	–
**	H163*	–
Rear	W22*	W5 + 46.4
	L55*	L30 + 35.7
	H82*	H11 + 41.6
	H162*	–
**	H164*	–

* Reference – SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

All Linear dimensions are in millimeters (inches).

** EPA Loaded Vehicle Weight, Loading Conditions

∅MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line TOYOTA PASEO

Model Year 1992 Issued April, '91 Revised (•) _____

Code	Model	Vehicle Mass (weight)					% PASS MASS DISTRIBUTION			
		CURB MASS, kg. (lb.)* lbs.			lbs. SHIPPING MASS kg(lb)***	ETWC** Code	Pass in Front		Pass in Rear	
		Front	Rear	Total			Front	Rear	Front	Rear
EL44L-DCMSKA		1320	750	2070	2008.8	L	45	55	15	85
EL44L-DCPSKA		1435	725	2160	2098.8	M	45	55	15	85

* Reference – SAE J1100 Motor vehicle dimensions, curb weight definition.

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

ETWC LEGEND

A	= 1000	I	= 2000	Q	= 3000	Y	= 4000
B	= 1125	J	= 2125	R	= 3125	Z	= 4250
C	= 1250	K	= 2250	S	= 3250	AA	= 4500
D	= 1375	L	= 2375	T	= 3375	BB	= 4750
E	= 1500	M	= 2500	U	= 3500	CC	= 5000
F	= 1625	N	= 2625	V	= 3625	DD	= 5250
G	= 1750	O	= 2750	W	= 3750	EE	= 5500
H	= 1875	P	= 2875	X	= 3875	FF	= 5750

*** Shipping Mass (weight) = Curb Weight Less: 61.2 lbs.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line TOYOTA PASEO

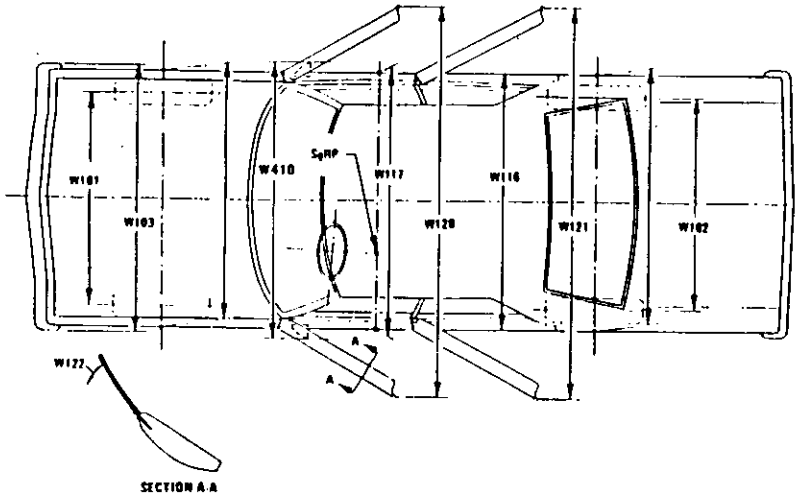
Model Year 1992 Issued April, '91 Revised (•) _____

Code	Equipment	Optional Equipment Differential Mass (weight)* MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
	Air conditioner	50	-5	45	
	Cold area package	6	3.2	9.2	
	Radio	10.2	4	14.2	
	Auto drive	5.2	0	5.2	
	Moon roof	10	10	20	
	Rear spoiler	0	10	10	

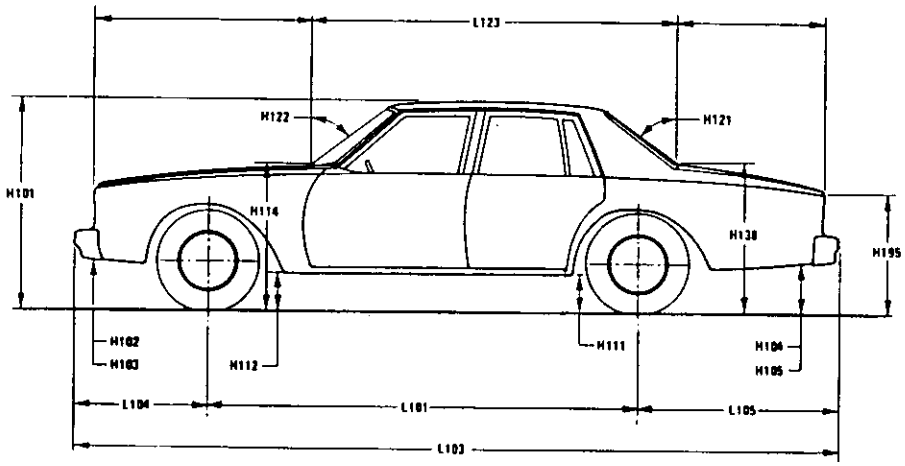
* Also see Engine - General Section for dressed engine mass (weight).

Exterior Vehicle And Body Dimensions – Key Sheet

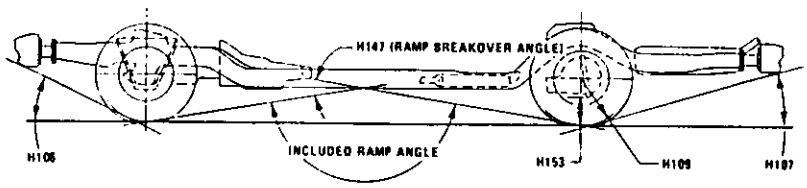
Exterior Width



Exterior Length & Height



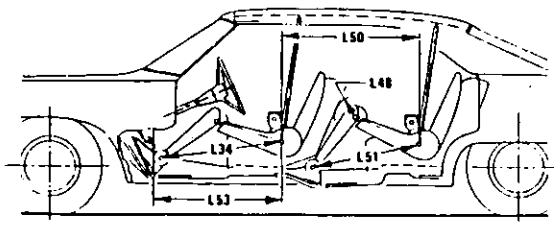
Exterior Ground Clearance

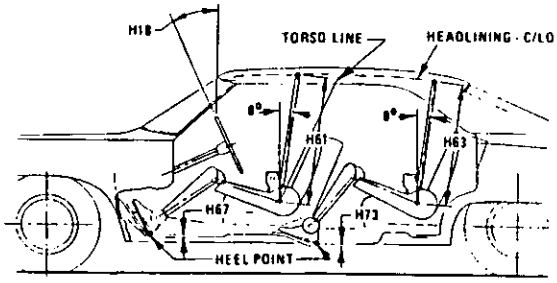


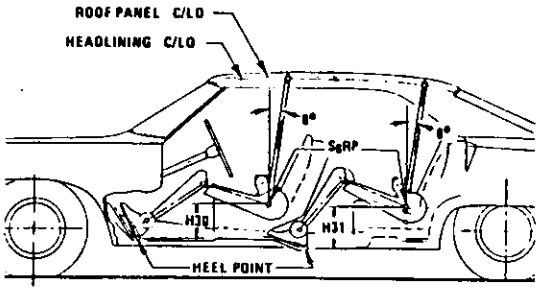
MVMA Specifications Form

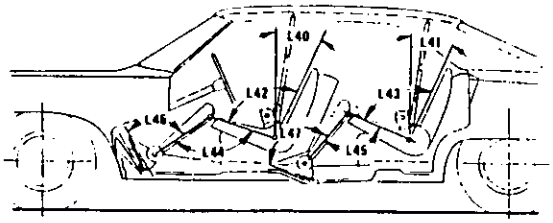
METRIC (U.S. Customary)

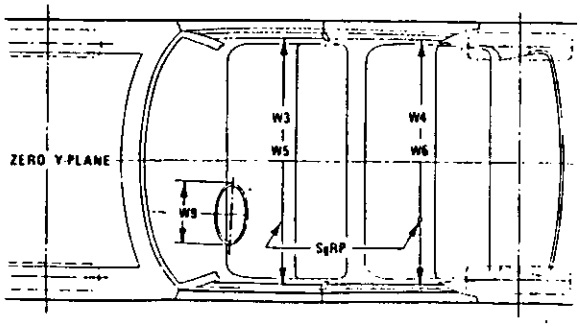
Interior Vehicle And Body Dimensions – Key Sheet

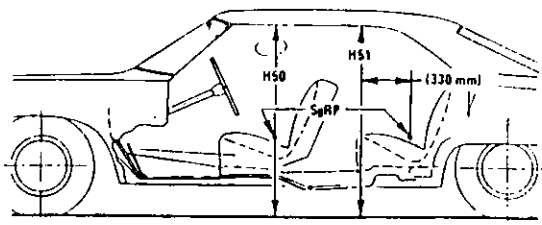






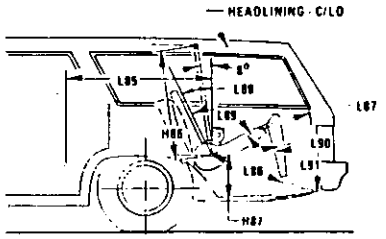


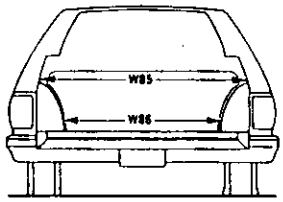




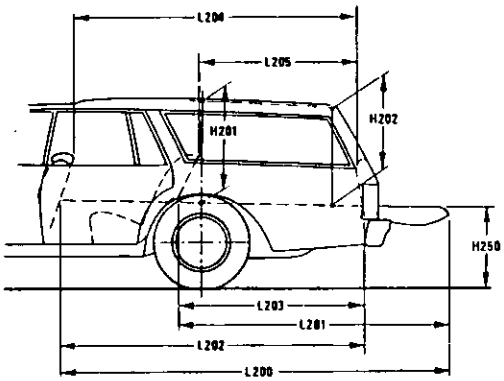
Interior Vehicle And Body Dimensions – Key Sheet

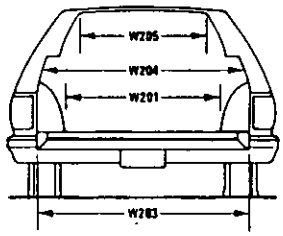
Third Seat



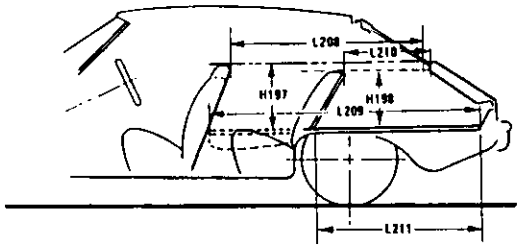


Cargo Space





Station Wagon



Hatchback

MVMA Specifications

METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

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

Width Dimensions

W101 TREAD – FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD – REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP – FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.

W120 VEHICLE WIDTH – FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.

W121 VEHICLE WIDTH – REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE – HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L104 OVERHAND – FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L105 OVERHANG – REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.

L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H111 ROCKER PANEL – REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.

H112 ROCKER PANEL – FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

H109 STATIC LOAD – TIRE RADIUS – REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

H103 FRONT BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H102.

H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

H105 REAR BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H104.

H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius arc and the initial point structural interference rearward of the rear tire to ground. The limiting component shall be designated.

H147 RAMP BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.

H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.

H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Glass Areas

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

Fiducial Mark Dimensions

Fiducial Mark – Number 1

L54 "X" coordinate.
W21 "Y" coordinate.
H81 "Z" coordinate.
H161 Height "Z" coordinate to ground at curb weight.
H163 Height "Z" coordinate to ground.

Fiducial Mark – Number 2

L55 "X" coordinate.
W22 "Y" coordinate.
W82 "Z" coordinate.
H162 Height "Z" coordinate to ground at curb weight.
H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.

L17 DESIGN H-POINT – FRONT TRAVEL. The dimension measured horizontally between the design H-point – front in the foremost and rearmost seat track positions. (See SAE J1100)

L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).

L31 SgRP – FRONT. "X" COORDINATED.

L34 MAXIMUM EFFECTIVE LEG ROOM – ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP – front plus 254 mm (10.0 in.) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.

L-40 BACK ANGLE – FRONT. The angle measured between a vertical line through the SgRP – front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

L-42 HIP ANGLE – FRONT. The angle measured between torso line and thigh centerline.

L44 KNEE ANGLE – FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.

L46 FOOT ANGLE – FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line, measured on the right leg. Ref SAE J826.

L53 SgRP – FRONT TO HEEL. The dimension measured horizontally from the SgRP – front to the accelerator heel point.

W3 SHOULDER ROOM – FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP – front at height between the belt line and 254 mm (10.0 in.) above the SgRP – front, excluding the door assist strap and attaching parts.

W5 HIP ROOM – FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP – front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP – front and 76 mm (3.0 in.) fore and aft of the SgRP – front.

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP – front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.

H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

H30 SgRP – FRONT TO HEEL. The dimension measured vertically from the SgRP – front to the accelerator heel point.

H50 UPPER BODY OPENING TO GROUND – FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP – front "X" plane.

H61 EFFECTIVE HEADROOM – FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP – front to the headlining plus 102 mm (4.0in.).

H67 FLOOR COVERING THICKNESS – UNDEPRESSED – FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

L-41 BACK ANGLE – SECOND. The angle measured between a vertical line through the SgRP – second and the torso line.

L43 HIP ANGLE – SECOND. The angle measured between torso line and thigh centerline.

L45 KNEE ANGLE – SECOND. The angle measured between thigh centerline and lower leg centerline.

L47 FOOT ANGLE – SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).

L48 KNEE CLEARANCE – SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).

L50 SgRP COUPLE DISTANCE – SECOND. The dimension measured horizontally from the driver SgRP – front to the SgRP – second.

L51 MINIMUM EFFECTIVE LEG ROOM – SECOND. The dimension measured along a line from the ankle pivot center to the SgRP – second plus 254 mm (10.0 in.).

W4 SHOULDER ROOM – SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP – second at height between 254-406 mm (10.0-16.0 in.) above the SgRP – second, excluding the door assist straps and attaching parts.

W6 HIP ROOM – SECOND. Measured in the same manner as W5.

H31 SgRP – SECOND TO HEEL. The dimension measured vertically from the SgRP – second to the two dimensional device heel point on the depressed floor covering.

H51 UPPER BODY OPENING TO GROUND – SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP – second.

H63 EFFECTIVE HEAD ROOM – SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).

H73 FLOOR COVERING – DEPRESSED – SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

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

Interior Volumes (EPA Classification)

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

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

Station Wagon – Third Seat Dimensions

L85 SgRP COUPLE DISTANCE – THIRD. The dimension measured horizontally from the SgRP – second to the SgRP – third.

L86 EFFECTIVE LEG ROOM – THIRD. The dimension measured along a line from the ankle pivot center to the SgRP – third plus 254 mm (10.0 in.).

L87 KNEE CLEARANCE – THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.

L88 BACK ANGLE – THIRD. Measured in the same manner as L41.

L89 HIP ANGLE – THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE – THIRD. Measured in the same manner as L45

L91 FOOT ANGLE – THIRD. Measured in the same manner as L47.

W85 SHOULDER ROOM – THIRD. Measured in the same manner as W4.

W86 HIP ROOM – THIRD. Measured in the same manner as W5.

H86 EFFECTIVE HEAD ROOM – THIRD. The dimension, measured along a line 8 deg. from the SgRP – third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

H87 SgRP – THIRD TO HEEL POINT.

SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon – Cargo Space Dimensions

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

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

L202 CARGO LENGTH – CLOSED – FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L203 CARGO LENGTH – CLOSED – SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT – FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.

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

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

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

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

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

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

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

V2 STATION WAGON

Measured in inches:

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

Measured in mm:

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

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

V4 HIDDEN LUGGAGE CAPACITY – REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.
Measured in inches:

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

Measured in mm:

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

V6 TRUCKS AND MPV'S WITH CLOSED AREA.
Measured in inches:

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

Measured in mm:

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

V8 HIDDEN LUGGAGE CAPACITY – REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.

V10 STATION WAGON CARGO VOLUME INDEX.
Measured in inches:

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

Measured in mm:

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

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

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

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

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

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

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

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

V3 HATCHBACK.
Measured in inches:

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

Measured in mm:

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

V4 HIDDEN LUGGAGE CAPACITY – REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

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

Measured in mm:

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

MVMA Specifications

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