MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1993

Manufacturer	Vehicle Line	
FORD MOTOR COMPANY	FORD PROBE	
Mailing Address		
P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued OCTOBER 18, 1991	Revised OCTOBER 30, 1992

Direct questions concerning these specifications to the manufacturer listed above.

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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-93

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.

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 4/10/92

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Ford Motor Company and Mazda
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Ford Motor Company

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)
(•)	**BASE MODEL (FWD)**					
(•)	2-Door Hatchback	7/9/92	AB	2/2	36.0 (80)	26/33
(•)	**GT MODEL (FWD)**					
(•)	2-Door Hatchback	7/9/92	AX	2/2	36.0 (80)	21/26

* 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		99A	99A	99B	99B
	Displacement Liters (in^3)		2.0 (122)	2.0 (122)	2.5 (153)	2.5 (153)
	Induction System (FI, Carb, etc.)		Electronic Port Fuel Injection	Electronic Port Fuel Injection	Electronic Port Fuel Injection	Electronic Port Fuel Injection
	Compression Ratio		9.0:1	9.0:1	9.2:1	9.2:1
	SAE Net at RPM	Power kW (bhp)	86 (115) @ 5500	86 (115) @ 5500	122 (164) @ 6000	122 (164) @ 6000
		Torque N•m (lb. ft.)	168 (124) @ 3500	168 (124) @ 3500	212 (156) @ 4000	212 (156) @ 4000
	Exhaust single, dual		Single	Single	Single	Single
TRANS	Transmission/ Transaxle		5-Spd. Manual Transaxle (M5)	4-Spd. Automatic Transaxle (4EAT)	5-Spd. Manual Transaxle (M5)	4-Spd. Automatic Transaxle (4EAT)
	Effective Final Drive/ Axle Ratio (std. first)		4.10	3.84	4.39	4.16

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
Base 2-Door Hatchback	AB	A	B
GT 2-Door Hatchback	AX	C	D

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Engine Description / Engine Code	2.0L	2.5L

ENGINE – GENERAL

Type and description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front Transverse, (DOHC) Dual Overhead Camshafts, Multi-Valve, 16 Valve Combustion Chambers	V6, 60°, Front Transverse (DOHC) Dual Overhead Camshats Per Cylinder Head, Multi-Valve, 24 Valve Combustion Chambers
Manufacturer		Mazda Motor Company	
No. of cylinders		4	6
Bore		83 (3.27)	84.5 (3.33)
Stroke		92 (3.62)	74.2 (2.92)
Bore spacing (C/L to C/L)		91 (3.58)	97.5 (3.84)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron	Cast Aluminum Alloy
Cylinder block deck height		211.5 (8.33)	204.4 (8.05)
Cylinder block length		405.5 (15.96)	381.7 (15.03)
Deck clearance (minimum) (above or below block)		0.62 (0.024)	0.705 (0.028)
Cylinder head material & mass kg (lbs.)		Cast Aluminum Alloy	
Cylinder head volume cm^3 ($inches^3$)		37.9 (2.31)	38.4 (2.34)
Cylinder liner material		Cast Iron	
Head gasket thickness (compressed)		0.75 (0.029)	0.43 (0.017)
Minimum combustion chamber total volume cm^3 ($inches^3$)		54.1 (3.30)	49.5 (3.02)
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4	4, 5, 6
	R. Bank	N/A	1, 2, 3
Firing order		1, 3, 4, 2	1, 4, 2, 5, 3, 6
Intake manifold material & mass kg (lbs.)**		Cast Aluminum Alloy	Cast Aluminum Alloy & 6 (13.2)
Exhaust manifold material & mass kg (lbs.)**		Stainless Steel Pipe	Cast Iron & 4 (8.8)
Knock sensor (number & location)		N/A	One & Between Banks
Fuel required unleaded, diesel, etc.		Unleaded	
Fuel antiknock index (R + M) ÷ 2		87 Minimum	91 Recommended
Engine mounts	Quantity	Five	
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	1, 2, 4, 5 (2, 4, 5 w/Auto.) — Elastomeric 3 (1, 3 w/Auto.) — Hydroelastic	1, 2, 4, 5 — Elastomeric 3 — Hydroelastic
	Added isolation (sub-frame, crossmember, etc.)	Engine Mount Member (No. 2, 5 Mounts)	
(•) Total dressed engine mass (wt) dry ***		177 (390.2)	215 (474)

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Cast Aluminum Alloy	Cast Aluminum Alloy & 269 (593)

Engine – Camshaft

Location		Over Cylinder Head	Each Cylinder Head
Material & mass kg (weight, lbs.)		Cast Iron	
Drive type	Chain/belt	Belt	
	Width/pitch	25.4 (0.99)/8.0	30 (1.18)/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	2.0L	2.5L

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		Standard	
Valves	Number intake/exhaust	8/8	12/12
	Head O.D. intake/exhaust	31.5 (1.24)/27.6 (1.09)	32 (1.26)/27.6 (1.09)

Engine – Connecting Rods

Material & mass kg., (weight, lbs.)*	Carbon Steel	
Length (axes C/L to C/L)	135.2 (5.32)	137.85 (5.43)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Graphite Cast Iron	Carbon Steel
End thrust taken by bearing (no.)		2	
Length & number of main bearings		464.9 (18.3) & 5	447.1 (17.6) & 4
Seal (material, one, two piece design, etc.)	Front	Rubber	
	Rear	Rubber	

Engine – Lubrication System

Normal oil pressure kPa (psi) at engine rpm	392 (56.8) ~ 490 (71.1) @ 3000	392 (56.8) ~ 490 (71.1) @ 4000
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part, other)	Full Flow	
Capacity of c/case, less filter-refill-L (qt.)	3.7 (3.9)	4.9 (5.8)

Engine – Diesel Information (NOT OFFERED)

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 (NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished state.

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Engine Description / Engine Code		2.0L	2.5L
Engine – Cooling System			
Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Radiator	Engine Head & Bottle
Radiator cap relief valve pressure kPa (psi)		93-122.5 (13.5-17.8)	73.5-103 (10.7-14.9)
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at °C (°F)	82° (179.6°)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	25 (6.6)	
	Number of pumps	One	
	Drive (V-belt, other)	V-Ribbed Belt	
	Bearing type	Ball and Roller	
	Impeller material	Steel	
	Housing material	Aluminum	
By-pass recirculation type (inter., ext.)		External	
Cooling system capacity	With heater – L(qt.)	7.0 (7.4)	7.5 (7.9)
	With air conditioner – L(qt.)	7.0 (7.4)	7.5 (7.9)
	Opt. equipment specify – L(qt.)	N/A	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		No	
Water jackets open at head face (yes, no)		No	Yes
Radiator core	Std., A/C, HD	Standard	
	Type (cross-flow, etc.)	Cross-flow	
	Construction (fin & tube mechanical, braze, etc.)	Corrugated Fin	
	Material, mass kg (wgt., lbs.)	Aluminum Alloy	
	Width	690.5 (27.2)	
	Height	344.6 (13.6)	
	Thickness	25.9 (1.02)	
	Fins per inch	18.7	
Radiator end tank material		Plastic	
(•) Ø Fan	Std., elec., opt.	Electric	
	Number of blades & type (flex, solid, material)	8 Blades, Plastic	LH — 11 Blades; RH — 8 Blades, Plastic
	Number & location (front, rear of radiator)	One & Rear of Radiator	Two & Rear of Radiator
	Diameter & projected width	371 (14.6)	LH — 354 (13.9); RH — 320 (12.6)
	Ratio (fan to crankshaft rev.)	—	
	Fan cutout type	Thermo Sensor	
	Drive type (direct, remote)	Remote	
	RPM at idle (elec.)	1775	LH — 1650; RH — 2400
	Motor rating (wattage/elec.)	300/Electric	200/Electric Each
	Motor switch (type & location/elec.)	Coolant Temperature Sensor	
	Switch point (temp./pressure/elec.)	Low — 97 (206.6); High — 108 (226.4)	Low — 100 (212); High — 108 (226.4)
	Fan shroud (material)	Plastic	

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Engine Description / Engine Code	2.0L	2.5L

Engine – Fuel System

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

Induction type: carburetor, fuel injection system, etc.		Electronic Port Fuel Injection System	
Manufacturer		Mitsubishi	
Carburetor no. of barrels		N/A	
Idle A/F mix.		14.7:1	
Fuel Injection	Point of injection (no.)	Intake Port (4)	Intake Port, (6)
	Constant, pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure kPa (psi)	284 (41)	
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	700 (Neutral)	650 (Neutral)
	Automatic	700 (Park)	650 (Park)
Intake manifold heat control (exhaust or water thermostatic or fixed)		Non-Fixed	
Air cleaner type		Wet	
Fuel filter (type/location)		Paper Element/Engine Compartment	
Fuel Pump	Type (elec. or mech.)	Electric	
	Location (eng., tank)	Fuel Tank	
	Pressure range kPa (psi)	441 ~ 834 (63.9 ~ 120.9)	
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	60 @ 300 (15.9 @ 43.5)	

Fuel Tank

Capacity refill L (gallons)		58.5 (15.5)
Location (describe)		Under Floor of Rear Seat
Attachment		Straps
Material & Mass kg (weight lbs.)		Plastic (HDPE) & 9.4 (20.7)
Filler pipe	Location & material	Left Rear Quarter Panel
	Connection to tank	Rubber Hose
Fuel line (material)		Steel Pipe & Rubber Hose
Fuel hose (material)		Rubber
Return line (material)		Steel Pipe & Rubber Hose
Vapor line (material)		Plastic Pipe & Rubber Hose
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	2.0L	2.5L

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		3-Way Catalyst Plus Feedback Control	
	Air Injection	Pump or pulse	N/A	
		Driven by	—	
		Air distribution (head, manifold, etc.)	—	
		Point of entry	—	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	BPT (Back Press. Transducer)	Electric
		Exhaust source	Exhaust Manifold, No. 4	Exhaust Manifold, No. 1, 3, 5
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
	Catalytic Converter	Type	TWC	
		Number of	One	
		Location (s)	Under Floor	
		Volume L (in³)	1.85 (112.9)	2.37 (144.6)
		Substrate type	Monolith	
		Noble metal type	Pt/Rh = 5/1	
		Noble metal concentration (g/cm³)	0.0016	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Type	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Intake Manifold	
	Air inlet (breather cap, other)		Head Cover	Air Hose
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister	
		Carburetor	N/A	
	Vapor storage provision		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	Dual
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)		One & Reverse Flow, Stainless	
Resonator no. & type		One & Absorption	One & Expansion
Exhaust pipe	Branch o.d., wall thickness	N/A	44.5 x 1.5 (1.75 x 0.06)
	Main o.d., wall thickness	4.76 x 1.5 (1.87 x 0.06)	54 x 1.5 (2.13 x 0.06)
	Material & Mass kg (weight lbs)	Stainless	Aluminum Coated Stainless
Intermediate pipe	o.d. & wall thickness	47.6 x 1.6 (1.87 x 0.06)	54 x 1.6 (2.13 x 0.06)
	Material & Mass kg (weight lbs)	Aluminized Coated Steel	
Tail pipe	o.d. & wall thickness	48.6 x 1.2 (1.91 x 0.047)	48.6 x 1.2 (1.91 x 0.047) (a)
	Material & Mass kg (weight lbs)	Aluminized Coated Steel	

(a) 42.7 x 1.2 (1.68 x 0.047) w/Automatic Transmission

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Engine Description / Engine Code	2.0L	2.5L

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

(•)	Effective final drive ratio (or overall top gear ratio)		4.10 (2.94)	3.84 (2.69)	4.39 (3.49)	4.16 (2.91)
(•)	Transfer ratio and method (chain, gear, etc.)		4.10 (Gear)	3.84 (Gear)	4.39 (Gear)	4.16 (Gear)
Front drive unit	Ring gear o.d.		202.5 (7.97)	140.3 (7.49)	205 (8.07)	206.4
	No. of teeth	Pinion	19	N/A	18	19
		Ring gear	78	N/A	79	79

Front Drive Unit

Description (integral to trans., etc.)		Integral to Transmission
Limited slip differential (type)		N/A
Drive pinion	Type	N/A
	Offset	N/A
No. of differential pinions		Two
Pinion / differential	Adjustment (shim, etc.)	N/A
	Bearing adjustment	Shim
Driving wheel bearing (type)		Ball
Lubricant	Capacity L (pt.)	(Common with Transmission)
	Type recommended	—

Axle Shafts — Front Wheel Drive

Manufacturer and number used			NTN (M/T); GKN (A/T) and Two	
Type (straight, solid bar, tubular, etc.)		Left	Solid Bar	
		Right	Solid Bar	
Outer diam. x length* x wall thickness	Manual transaxle	Left	24 x 387 (0.94 x 15.2)	26 x 382 (1.02 x 15.04)
		Right	24 x 387 (0.94 x 15.2)	26 x 382 (1.02 x 15.04)
	Automatic transaxle	Left	24 x 380 (0.94 x 14.96)	26 x 380 (1.02 x 14.96)
		Right	24 x 380 (0.94 x 14.96)	26 x 380 (1.02 x 14.96)
	Optional transaxle	Left	N/A	
		Right	N/A	
Slip yoke	Type		N/A	
	Number of teeth		—	
	Spline o.d.		—	
Universal joints	Make and mfg. no.	Inner	NTN (M/T); GKN (A/T)	
		Outer	NTN (M/T); GKN (A/T)	
	Number used		4	
	Type, size, plunge	Inner	Double Offset Joint (M/T); Tripod Joint (A/T)	
		Outer	Ball Joint	
	Attach (u-bolt, clamp, etc.)		Snap Ring	
	Bearing	Type (plain, anti-friction)	Anti-Friction Ball	
		Lubrication (fitting, prepack)	Pre-Pack	
Drive taken through (torque tube, arms or springs)			Engine Mounting System	
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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Model Code/Description And/Or Engine Code/Description	BASE MODEL	GT MODEL

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		Combined Strut/Hydraulic (Front and Rear)
	Make		Tokico — Front/Yaba — Rear
	Piston diameter		32 (1.26) Front and Rear
	Rod diameter		22 (0.87) Front and Rear

Suspension – Front

Type and description		Independent Strut Type with Lower A Type Control Arms and Upper Strut Mounted Coil Springs with Cross Member	
Travel	Full jounce (define load condition)	70 (2.76)	60 (2.36)
	Full rebound	100 (3.94)	110 (4.33)
Spring	Type (coil, leaf, other & material)	Coil, Chromium Alloy Steel	
	Insulators (type & material)	Seat and Rubber	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	146 (5.75) — i.d.	136 (5.35) — i.d.
	Spring rate [N/mm (lb./in.)]	25.8 (147.3)	32.8 (187.3)
	Rate at wheel [N/mm (lb./in.)]	23.1 (131.9)	29.3 (167.3)
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & O.D. bar/tube, wall thickness	Steel and Tube	

Suspension – Rear

Type and description		Independent Strut Type, Quadra-Link and Upper Strut Mounted Coil Springs	
Travel	Full jounce (define load condition)	85 (3.35)	75 (2.95)
	Full rebound	100 (3.94)	110 (4.33)
Spring	Type (coil, leaf, other & material)	Coil, Chromium Alloy Steel	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	184.5 (7.26)	174.5 (6.87)
	Spring rate [N/mm (lb./in.)]	23.0 (131.3)	25.5 (145.6)
	Rate at wheel [N/mm (lb./in.)]	21.6 (123.3)	24.0 (137)
	Insulators (type & material)	Seat & Rubber	
	If leaf: No. of leaves	N/A	
	If leaf: Shackle (comp. or tens.)	—	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & O.D. bar/tube, wall thickness	Steel & Bar	
Track bar (type)		N/A	

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Model Code/Description And/Or Engine Code/Description

Brakes — Service

				BASE MODEL	GT MODEL
Description				Four Wheel Hydraulic Actuated System	
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			Disc, Standard	
	Rear (disc or drum)			Drum, Std. (Disc, Opt. w/ABS)	Disc, Standard
Valving type (proportion, delay, metering, other)				Proportion	
Power brake (std., opt., n.a.)				Standard	
Booster type (remote, integral, vac., hyd., etc.)				Vacuum	
Vacuum	Source (inline, pump, etc.)			Inline	
	Reservoir (volume in.^{3})			N/A	
	Pump-type (elec, gear driven, belt driven)			N/A	
Traction assist	Operational speed range			N/A	
	Type (engine or brake intervention)			—	
Anti-lock device	Front / rear (std., opt., n.a.)			Optional/Optional	
	Manufacturer			Sumitomo Electric Industries, Ltd.	
	Type (electronic, mech.)			Electronic	
	Number sensors or circuits			4 Sensors	
	Number anti-lock hydraulic circuits			3	
	Integral or add-on system			Add-On	
	Yaw control (yes, no)			No	
	Hydraulic power source (elec., vac. mtr., pwr. strg.)			Electric	
Effective area cm^2(in.^{2})*				192 (29.8)/263 (48.8)	192 (29.8)/116 (18)
Gross lining area cm^2(in.^{2})**(F/R)				192 (29.8)/263 (48.8)	192 (29.8)/116 (18)
Swept area cm^2(in.^{2})***(F/R)				1140 (176.7)/431 (66.8)	1140 (176.7)/1008 (156.2)
Rotor	Outer working diameter		F/R	258 (10.2)/N/A	258 (10.2)/261 (10.3)
	Inner working diameter		F/R	166 (6.5)/N/A	166 (6.5)/179 (7.1)
	Thickness		F/R	24 (0.94)/N/A	24 (0.94)/10 (0.39)
	Material & type (vented/solid)		F/R	Cast Iron, Vented/N/A	Cast Iron, Vented/Cast Iron, Solid
Drum	Diameter & width		F/R	N/A/228.6 (9.0) & 37 (1.46)	N/A/N/A
	Type and material		F/R	Cast Iron	—
Wheel cylinder bore				53.97 (2.12)/17.46 (0.69)	53.97 (2.12)/30.2 (1.19)
Master cylinder	Bore/stroke		F/R	23.8 (0.94)/15 (0.59) — PRI & SEC	
Pedal arc ratio				4.1:1	
Line pressure at 445 N(100 lb.)pedal load [kPa (psi)]				11296 (1637)	
Lining clearance			F/R	0.1 ~ 0.3/0.1 ~ 0.3	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		N/A	
		Manufacturer		Sumitomo Electric Industries, Ltd.	
		Lining code*****		M9216H FF	
		Material		Molded Resin	
		****	Primary or out-board	117 x 42.5 x 10 (4.6 x 1.7 x 0.39)	
		Size	Secondary or in-board	117 x 42.5 x 10 (4.6 x 1.7 x 0.39)	
		Shoe thickness (no lining)		6 (0.24) — Inboard; 5 (0.20) — Outboard	
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		Nishinbo	Japan Brake
		Lining code*****		NBK D3216 FF	JB ND74EE, JBD70FE
		Material		Molded Resin	
		****	Primary or out-board	219 x 30 x 4.5 (8.6 x 1.18 x 0.18)	90 x 36 x 8 (3.5 x 1.42 x 0.31)
		Size	Secondary or in-board	219 x 30 x 4.5 (8.6 x 1.18 x 0.18)	90 x 36 x 8 (3.5 x 1.42 x 0.31)
		Shoe thickness (no lining)		2.0 (0.079)	

* 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 PROBE
Model Year 1993 Issued 10/18/91 Revised (•)

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

BASE MODEL	GT MODEL

Tires And Wheels (Standard)

Ø	Tires	Size (service description)		P195/65R14 89S	P225/50VR16 91V
		Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial	
		Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220 (32)	
			Rear kPa (psi)	180 (26)	
		Rev./mile-at 70 km/h (45 mph)			
	Wheels	Type & material		Disc and Steel	Aluminum Alloy
		Rim (size & flange type)		14" x 5 1/2" JJ	16" x 7"
Ø		Wheel offset		35 (1.38)	40 (1.57)
		Attachment	Type (bolt or stud & nut)	Stud	
			Circle diameter	114.3 (4.5)	
			Number & size	Five & M12 — 1.5	
	Spare	Tire and wheel		T125/70D15 and 15 x 4T	T135/70D15 and 15 x 4T
		Storage position & location (describe)			

Tires and Wheels (Optional)

Ø	Tire size (service description)	P205/55R15 87S	N/A
	Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	
	Wheel (type & material)	Aluminum Alloy	
	Rim (size, flange type and offset)	15" x 6" JJ, Offset 40 (1.57)	
Ø	Tire size (service description)		
	Type (bias, radial, steel, nylon, etc.)		
	Wheel (type & material)		
	Rim (size, flange type and offset)		
Ø	Tire size (service description)		
	Type (bias, radial, steel, nylon, etc.)		
	Wheel (type & material)		
	Rim (size, flange type and offset)		
Ø	Tire size (service description)		
	Type (bias, radial, steel, nylon, etc.)		
	Wheel (type & material)		
	Rim (size, flange type and offset)		
	Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes — Parking

Type of control			Manual
Location of control			Between Front Seats, 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 PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 5/15/92

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description	2.0L	2.5L

Steering

Manual (std., opt., n.a.)					N/A	
Power (std., opt., n.a.)					Standard	
Speed-sensitive (std., opt., n.a.)					N/A	
4-wheel steering (std., opt., n.a.)					N/A	
Adjustable steering wheel/column (tilt, telescope, other)		Type			Tilt Column	
		Manufacturer			Mazda	
		(std., opt., n.a.)			Optional	
Wheel diameter** (W9) SAE J1100		Manual			N/A	
		Power			380 (15)	
(•) Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)				
		Curb to curb (l. & r.)			10.6 (34.8)	
	Inside rear	Wall to wall (l. & r.)				
		Curb to curb (l. & r.)				
Scrub Radius*						
Manual	Gear	Type			N/A	
		Manufacturer			—	
		Ratios	Gear		—	
			Overall		—	
	No. wheel turns (stop to stop)				—	
Power	Type (coaxial, elec., hyd., etc.)				Integral Hydraulic	
	Manufacturer				TRW SSD	
	Gear	Type			Rack and Pinion, Constant Ratio	
		Ratios	Gear			
			Overall		17.0:1	
	Pump (drive)				Belt	
	No. wheel turns (stop to stop)				2.9	
Linkage	Type				Integral with Gear	
	Location (front or rear of wheels, other)				Rear	
	Tie rods (one or two)				Two Integral with Gear	
(•) Steering axis	Inclination at camber (deg.)				-0° 40'	-0° 55'
	Bearings (type)	Upper			Slip Bearing	
		Lower			Ball Joint	
		Thrust				
Steering spindle/knuckle & joint type					Knuckle & Ball Joint	

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
** See Page 23.

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 4/10/92

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

BASE MODEL	GT MODEL

Wheel Alignment

(•)	Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	3° 01'	3° 05'
			Camber (deg.)	-0° 42'	-1° 00'
			Toe-in outside track-mm (in.)	3 (0.12)	
		Service reset*	Caster (deg.)		
			Camber (deg.)		
			Toe-in - mm (in.)		
		Periodic M.V. inspection	Caster (deg.)		
			Camber (deg.)		
			Toe-in - mm (in.)		
(•)	Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-0° 21'	-0° 27'
			Toe-in outside track-mm (in.)	3 (0.12)	
		Service reset*	Camber (deg.)		
			Toe-in - mm (in.)		
		Periodic M.V. inspection	Camber (deg.)		
			Toe-in - mm (in.)		

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

Electrical – Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)		Analog, Standard (Digital, Optional)
	Trip odometer (std., opt., n.a.)		Standard
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		Analog Voltmeter Gauge, Standard
	Warning device (light, audible)		N/A
Temperature indicator	Type		Analog Gauge, Standard
	Warning device (light, audible)		N/A
Oil pressure indicator	Type		Analog Gauge, Standard
	Warning device (light, audible)		N/A
Fuel indicator	Type		Analog Gauge, Standard
	Warning device (light, audible)		N/A
Windshield wiper	Type (standard)		Two-Speed Electric, Fixed Interval Wiper (Variable with GT)
	Type (optional)		Variable Interval w/ Base Model (Std. w. GT)
	Blade length		50.0 (19.6)
	Swept area cm^2($in.^2$)		7215 (1118.3)
Windshield washer	Type (standard)		Electric Pump, Standard
	Type (optional)		N/A
	Fluid level indicator (light, audible)		Light, Optional
Rear window wiper, wiper/washer (std., opt., n.a.)			Wiper/Washer, Optional
Horn	Type		Electric
	Number used		Two, One Hi-Pitch and One Lo-Pitch, Standard
Other			See Page 15A

Electrical — Instruments and Equipment: (Cont'd)

- Brake System Warning Light
- Directional Turn Signal Lights
- Emergency Flashers
- High-Beam Indicator
- Fasten Seat Belt Warning Light/Warning Tone
- Check Engine Warning Light, Malfunction (EEC)
- Key-In-Ignition Warning Tone
- Headlamp-On Warning Tone
- Door Ajar Warning Light/Warning Tone
- (•) Liftgate Ajar Warning Light
- Low Fuel Warning Light
- Low Windshield Washer Fluid Warning Light

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 4/10/92

METRIC (U.S. Customary)

Engine Code/Description	2.0L	2.5L

Electrical – Supply System

	Battery	Manufacturer	Johnson Control Inc.	
		Model, (std., opt.)	GR58R	
		Voltage	12	
		Amps at 0°F cold crank	582	
		Minutes-reserve capacity	100	
		Amps/hrs.-20 hr. rate	58	
		Location	Engine Compartment	
	Alternator	Manufacturer	Melmac	
		Rating (idle/max. rpm)	80 Amp.	90 Amp.
		Ratio (alt. crank/rev.)	2.55:1	
(•)		Output at idle (rpm, park)	42 Amp. @ 700 RPM	45 Amp. @ 650 RPM
		Optional (type & rating)	N/A	
(•)	Regulator	Type	Electronic Integral w/Alternator	

Electrical – Starting System

(•)	Motor	Manufacturer	Melmac	Melmac (Mitsubishi w/ Auto. Trans.)
		Current drain _____ °C(°F)		
		Power rating kw (hp)	1.4 (1.88)	1.7 (2.28); 1.6 (2.14) w/ Auto. Trans.
	Motor drive	Engagement type	Positive Solenoid	
(•)		Pinion engages from (front, rear)	Front	Rear

Electrical – Ignition System

	Type	Electronic (std., opt., n.a.)	Standard	
		Other (specify)	N/A	
	Coil	Manufacturer	Ford (Mitsubishi w/ Auto. Trans.)	Mitsubishi
		Model		
		Current – Engine stopped – A		
		Current – Engine idling – A		
	Spark plug	Manufacturer	Nippon Denso/NGK	
(•)		Model	AGSP-32C	AGSP33C
		Thread (mm)	M14 x 1.25	
		Tightening torque N-m (lb.-ft)	15-23 (11.1-17)	
		Gap	1.0-1.1 (0.039-0.043)	
		Number per cylinder	One	
	Distributor	Manufacturer	Mitsubishi	
		Model	ESA	

Electrical – Suppression

Locations & type	Resistance Spark Plugs and Ignition Wires

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•)

METRIC (U.S. Customary)

Model Code/Description	ALL MODELS

Body

Structure	Unitized Constructions with Separate Non-Isolated Front Subframe
Bumper system front - rear	• Front — With PGM Unit • Rear — With Honeycomb • Front/Rear — 5 MPH Bumpers — Ford Requirements
Anti-corrosion treatment	• Major Exterior and Structural Metal Components and Pre-Coated Steel • Body Cathodically Electrocoat Primed • Vinyl Chip Resistant Coating in Lower Body Sides • Application of Spray-On Sealer in Enclosed Areas

Body – Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel
Hood	Material & mass	Zinc Plated Steel & 18.3 (40.3)
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal
Trunk lid	Material & mass	N/A
	Type (counterbalance, other)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Hatck-back lid	Material & mass	Zinc Plated Steel & 38.5 (84.9)
	Type (counterbalance, other)	Gas Struts
	Internal release control (elec., mech., n.a.)	Mechanical Cable (N/A w/ Base Model)
Tailgate	Material & mass	N/A
	Type (drop, lift, door)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Vent window control (crank, friction, pivot, power)	Front	N/A
	Rear	N/A
Window regulator type (cable, tape, flex drive, etc.)	Front	N/A
	Rear	N/A
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket
	Rear	50/50 Split Folding
	3rd seat	N/A
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Low Back Bucket
	Rear	50/50 Split Folding
	3rd seat	N/A

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Construction with Separate Non-Isolated Front Subframe

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 5/15/92

METRIC (U.S. Customary)

Model Code/Description | ALL MODELS

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / optional	First seat	Type 2 & 3-Point Lap & Shoulder Belt, Standard	N / A	Type 2 & 3-Point Lap & Shoulder Belt, Standard
		Second seat	Type 2 & 3-Point Lap & Shoulder Belt, Standard	N / A	Type 2 & 3-Point Lap & Shoulder Belt, Standard
		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	Supplemental Air Bag (Inflated with Nitrogen Gas)	N / A	N / A
		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	11,430.5 (1772)
Side glass exposed surface area $cm^2(in.^2)$ - total 2-sides	S2	6421.4 (995) — Door Glass 6354.3 (985) — Side Quarter Glass
Backlight glass exposed surface area $cm^2(in.^2)$	S3	9613.7 (1490)
Total glass exposed surface area $cm^2(in.^2)$	S4	33,819.9 (5242)
Ø Windshield glass (type / thickness)		Laminated / 4.7 (0.18)
Ø Side glass (type / thickness)		Tempered / Side Door – (0.18); Rear Quarter – 3.5 (0.14)
Ø Backlight glass (type / thickness)		Tempered / 3.5 (0.14)
(•) Ø Tinted (yes / no, location)		Yes / 3, Backlight and Quarter
Ø Solar control (yes / no, coated / batched, location)		No

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Halogen Sealed Beam
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	2E1
Quantity	Two
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	2E1
Quantity	Two

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 5/15/92

METRIC (U.S. Customary)

Engine Code/Description ALL MODELS

Climate Control System

Air conditioning (std., opt., man., auto.)		Manual Temperature Control, Optional
Condenser	Type	Tube and Fin
	Eff. face area (sq. mm.)	197,520
	Fins per inch	22
Evaporator	Type	DRON — Cup
	Eff. face area (sq. mm.)	43,010
	Fins per inch	14
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	28,616
	Fins per inch	21
(•) Compressor	Type	Rotary
	Displacement (cc.)	130
	Manufacturer	MEI
	A/C pulley ratio	1.04:1
Accumulator	Type	Normal
	Height (mm.)	197
	Diameter (mm.)	87
Receiver	Type	N/A
	Height (mm.)	—
	Diameter (mm.)	—
Refrigerant control (CCOT, TVS, etc.)		CCOT
Heater water valve (yes/no)		No
Refrigerant (R - 12, R - 134a, etc.)		R-12
Charge level (lbs. - oz.)		1 lbs.-10.5 oz.
Cold engine lockout switch (yes/no)		No
Wide open throttle cutout switch (yes/no)		No

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 5/15/92

METRIC (U.S. Customary)

Model Code/Description	BASE MODEL	GT MODEL

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

	Clock (digital, analog)		Optional, Digital	
	Compass / thermometer		N/A	
(•)	Console (floor, overhead)		Standard, Floor w/ Rear Ashtray	Standard, Floor w/ Armrest (a)
Ø	Defroster, electric windshield		N/A	
	Defroster, electric backlight		Optional	Standard
	Electronic	Diagnostic monitor (integrated, individual)	N/A	
		Instrument cluster (list instruments)	N/A	
		Keyless entry	Optional	
		Tripminder (avg. spd., fuel)	Optional	
		Voice alert (list items)	N/A	
		Other		
		Redundant Radio Controls		
	Fuel door lock (remote, key, electric)		Optional, Remote, Electric	Standard, Remote, Electric
	Lamps	Auto head on / off delay, dimming	N/A	
		Cornering	N/A	
		Courtesy (map, reading)	Optional, Spot	Standard, Spot
		Door lock, ignition	Optional	Standard
		Engine compartment	Optional	Standard
		Fog	N/A	
		Glove compartment	Optional	Standard
		Trunk	Standard	
		Illuminated entry system (list lamps, activation)	Optional Dome Lamp Goes Out Gradually After Closing All Doors	
		Other		
	Mirrors	Day / night (auto., man.)	Standard, Manual	
		L.H. (remote, power, heated)	Standard, Manual Remote; Optional, Heated, Electric Remote	
		R.H. (convex, remote, power, heated)	Standard, Manual; Optional, Heated, Electric Remote	
		Visor vanity (RH/LH, illuminated)	Standard, RH/LH, Illuminated	
	Navigation system (describe)		N/A	
	Parking brake-auto release (warning light)		N/A	

(•) (a) Also Includes Cupholder and Ashtray

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 10/30/92

METRIC (U.S. Customary)

Model Code/Description

BASE MODEL	GT MODEL

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

Power equipment	Deck lid (release, pull down)		Standard, Hatchback, Cable Release
	Door locks (manual, automatic, describe system)		Optional, Manual
	Seats	2 - 4 - 6 way, etc.	Optional, 6-Way (Driver Only)
		Reclining (R.H., L.H.)	N/A
		Memory (R.H., L.H., preset recline)	N/A
		Support (lumbar, hip, thigh, etc.)	Optional, Lumbar and Thigh
		Heated (R.H., L.H., other)	N/A
	Side windows		Optional
	Vent windows		N/A
	Rear windows		N/A
Radio systems (•)	Antenna (location, whip, w/shield, power)		Optional, Rear Quarter Panel / Standard, Rear Quarter Panel
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	Electronic AM/FM Stereo with Digital (LED) Station/Clock Dial
	Optional		• Electronic AM/FM Stereo with Auto-Reverse Cassette • Digital Disc System • Graphic Equalizer And Power Antenna
	Speaker (number, location)		Standard, 4, One Each Front Door and One Each Side Rear Quarter, Optional, Similar to Standard Plus One Sub Woofer
Roof: open air or fixed (flip-up, sliding, "T")			Optional, Sliding
Speed control device			Optional
Speed warning device (light, buzzer, etc.)			N/A
Tachometer (rpm)			Standard
Telephone system (describe)			N/A
Theft deterrent system			Optional

Trailer Towing

Towing capable	Yes/No	Yes
Engine/transmission/axle	Std/Opt	Standard
Tow class (I, II, III)*	Std/Opt	Class I
Max. gross trailer wgt. (lbs.)	Std/Opt	1500 Lbs.
Max. trailer tongue load (lbs.)	Std/Opt	150 Lbs.
Towing package available	Yes/No	No

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

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 10/30/92

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

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

	Model Code/Description	SAE Ref. No.	BASE MODEL	GT MODEL
	Width			
	Tread (front)	W101	1520 (59.8)	1510 (59.4)
	Tread (rear)	W102	1520 (59.8)	1510 (59.4)
	Vehicle width	W103	1773 (69.8)	
	Body width at Sg RP (front)	W117		
	Vehicle width (front doors open)	W120		
	Vehicle width (rear doors open)	W121		
	Tumble-home (degrees)	W122		
(•)	Outside mirror width	W410	1905 (75)	
	Length			
	Wheelbase	L101	2614 (102.9)	
	Vehicle length	L103	4544 (178.9)	
	Overhang (front)	L104	975 (38.4)	
	Overhang (rear)	L105	955 (37.6)	
	Upper structure length	L123		
	Rear wheel C/L "X" coordinate	L127		
	Height*			
	Passenger distribution (front/rear)	PD1,2,3	2/2	
	Trunk/cargo load			
	Vehicle height	H101	1310 (51.6)	1315 (51.8)
	Cowl point to ground	H114	843 (33.2)	
	Deck point to ground	H138		
	Rocker panel-front to ground	H112		
	Rocker panel-rear to ground	H111		
	Windshield slope angle (degrees)	H122		
	Backlight slope angle (degrees)	H121		
	Ground Clearance*			
	Front bumper to ground	H102		
	Rear bumper to ground	H104		
	Bumper to ground front at curb mass (wt.)	H103		
	Bumper to ground rear at curb mass (wt.)	H105		
	Angle of approach (degrees)	H106	16°	14°
	Angle of departure (degrees)	H107	15°	
	Ramp breakover angle (degrees)	H147		
	Axle differential to ground (front/rear)	H153		
	Min. running ground clearance	H156		
	Location of min. run. grd. clear.			

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

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 4/10/92

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

Model Code/Description	SAE Ref. No.	BASE MODEL	GT MODEL
Front Compartment			
SgRP front, "X" coordinate	L31		
Effective head room	H61	959 (37.8)	
Max. eff. leg room (accelerator)	L34	1094 (43.1)	
SgRP to heel point	H30	202 (7.95)	
SgRP to heel point	L53	910 (35.8)	
Back angle (degrees)	L40	24°	
Hip angle (degrees)	L42	96.5°	
Knee angle (degrees)	L44	133.3°	
Foot angle (degrees)	L46	87°	
Design H-point front travel	L17		
Normal driving & riding seat track trvl.	L23		
Shoulder room	W3	1320 (51.97)	
Hip room	W5	1369 (53.9)	
Upper body opening to ground	H50		
Steering wheel maximum diameter*	W9		
Steering wheel angle (degrees)	H18		
(•) Accel. heel pt. to steer. whl. cntr	L11	504 (19.8)	
(•) Accel. heel pt. to steer. whl. cntr	H17	586 (23.1)	
Undepressed floor covering thickness	H67		
Rear Compartment			
SgRP point couple distance	L50	667 (26.3)	
Effective head room	H63	884 (34.8)	
Min. effective leg room	L51	725 (28.5)	
SgRP (second to heel)	H31	245 (9.65)	
Knee clearance	L48	84 (3.31)	
Shoulder room	W4	1368 (53.86)	
(•) Hip room	W6	1235 (48.6)	
Upper body opening to ground	H51		
Back angle (degrees)	L41	23°	
Hip angle (degrees)	L43	71.3°	
Knee angle (degrees)	L45	61.9°	
Foot angle (degrees)	L47	111.4°	
Depressed floor covering thickness	H73		
Luggage Compartment			
Usable luggage capacity L (cu. ft.)	V1	312 (11.02)	
Liftover height	H195		

Interior Volumes (EPA Classification)

(•)	Vehicle class	Sub-Compact
(•)	Interior volume index including trunk/cargo (cu. ft.)**	98
(•)	Trunk/cargo index (cu. ft.)	18

* See page 14.
** See definition page 33.
All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•)

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

Model Code/Description	SAE Ref. No.	BASE MODEL	GT MODEL
Station Wagon/MPV* – Third Seat		(NOT APPLICABLE)	
Seat facing direction	SD1		
SgRP couple distance	L85		
Shoulder room	W85		
Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
SgRP to heel point	H87		
Knee clearance	L87		
Back angle (degrees)	L88		
Hip angle (degrees)	L89		
Knee angle (degrees)	L90		
Foot angle (degrees)	L91		
Station Wagon/MPV* – Cargo Space		(NOT APPLICABLE)	
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 seatback to load floor height	H197		
Cargo volume index $m^3(ft.^3)$	V2		
Hidden cargo volume index $m^3(ft.^3)$	V4		
Cargo volume index-rear of 2-seat	V10		
Cargo volume index*	V6		
Cargo width at floor*	W500		
Maximum cargo height*	H505		
Hatchback – Cargo Space			
Cargo length at front seatback height	L208		
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		

All linear dimensions are in millimeters (inches) unless otherwise noted.
* MPV - Multipurpose Vehicle

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•)

Model Code/ Description ALL MODELS

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front(1)		
Front(2)		
Rear(1)		
Rear(2)		
Note: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	
	L54**	
	H81**	
	H161**	
	H163**	
Rear	W22**	
	L55**	
	H82**	
	H162**	
	H164**	

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PROBE

Model Year 1993 Issued 10/18/91 Revised (•)

Code / Model	Vehicle Mass (weight)					% PASS MASS DISTRIBUTION			
	CURB MASS, kg. (lb.)*			SHIPPING MASS kg(lb)***	ETWC** Code	Pass in Front		Pass in Rear	
	Front	Rear	Total			Front	Rear	Front	Rear
2.0L Engine — Code 99A/									
5-Spd. Man. Trans. — Code 445									
99A/445	736	452	1188	1137	P	51	49	22	78
Base Model	(1623)	(996)	(2619)	(2507)					
2.0L Engine — Code 99A/									
4-Spd. Auto. Trans. — Code 440									
99A/440	775	455	1230	1179	Q	51	49	22	78
Base Model	(1708)	(1004)	(2712)	(2600)					
2.5L Engine — Code 99B/									
5-Spd. Man. Trans. — Code 445									
99B/445	804	473	1277	1226	R	51	49	22	78
GT Model	(1772)	(1043)	(2815)	(2702) (2910)	MAZDA FORD				
2.5L Engine — Code 99B/									
4-Spd. Man. Trans. — Code 440									
99B/440	840	472	1312	1261	S	51	49	22	78
GT Model	(1852)	(1040)	(2892)	(2779)					

* 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:

50 (112) w/2.0L

51 (113) w/2.5L

MVMA Specifications

METRIC (U.S. Customary)

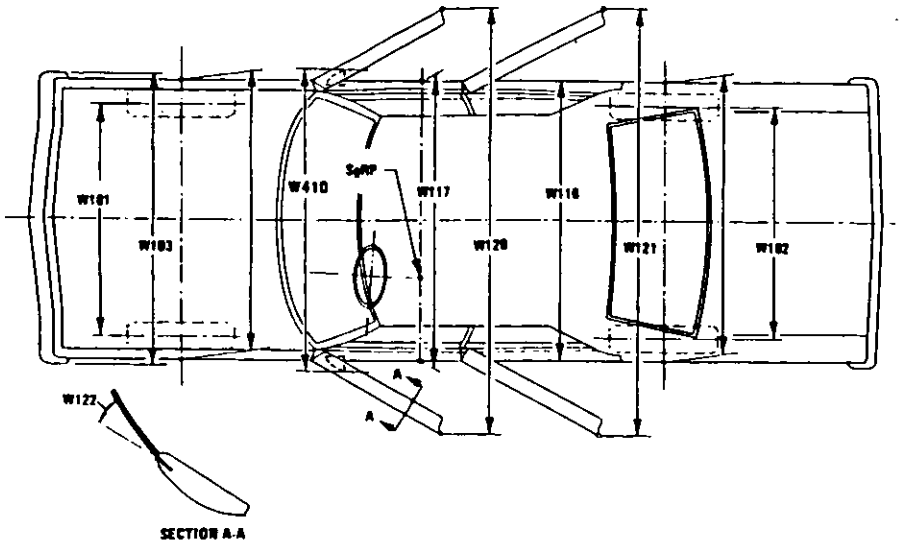
Vehicle Line PROBE
Model Year 1993 Issued 10/18/91 Revised (•) 4/10/92

			Optional Equipment Differential Mass (weight)*			
			MASS, kg. (lb.)			
	Code	Equipment	Front	Rear	Total	Remarks Restrictions, Requirements
	Miscellaneous Options:					
	572	Air Conditioning w/ Manual	16.0	0	16.0	
		Temperature Control	(35.3)	(0)	(35.3)	
	525	Speed Control	1.6	0.2	1.8	
			(3.5)	(0.4)	(3.9)	
	963	Power Door Locks	0.3	0.2	0.5	
			(0.7)	(0.4)	(1.1)	
	13B	Sunroof, Flip-Up	4.9	8.5	13.4	
		Open Air	(10.8)	(18.7)	(29.5)	
	588	AM/FM Electronic Stereo	4.0	1.0	5.0	
		w/ Cassette & Premium Sound	(18.8)	(2.2)	(11.0)	
	585	AM/FM Electronic Stereo	6.5	3.0	9.5	
		w/ Cassette, Premium Sound,	(14.3)	(6.6)	(20.9)	
		Digital Disc & Power Antenna				
(•)	552	(ABS) Anti-Lock Brakes	10.9	2.3	13.2	
			(24.0)	(5.1)	(29.1)	

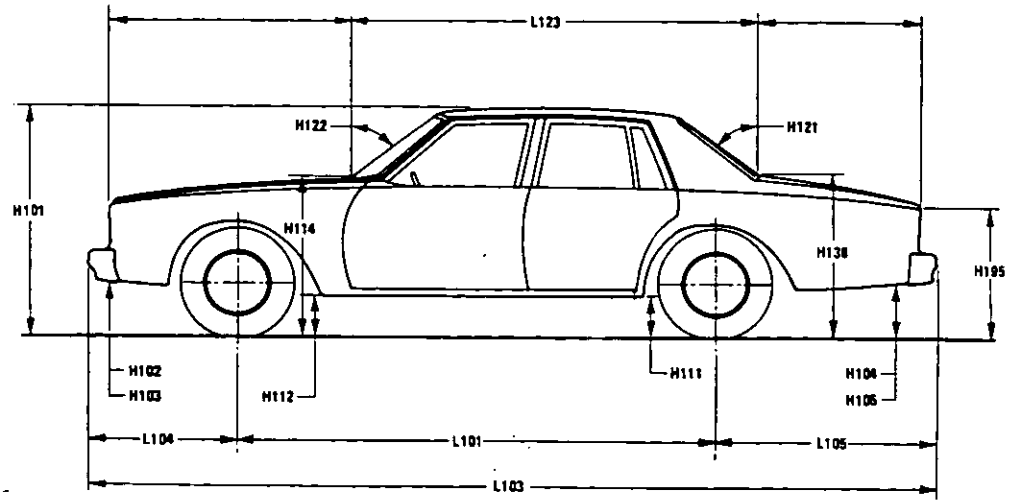
* Also see Engine - General Section for dressed engine mass (weight).

Exterior Vehicle And Body Dimensions – Key Sheet

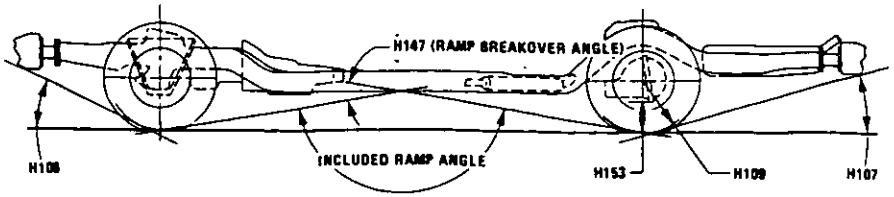
Exterior Width



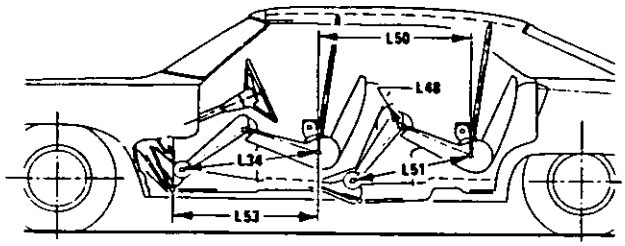
Exterior Length & Height

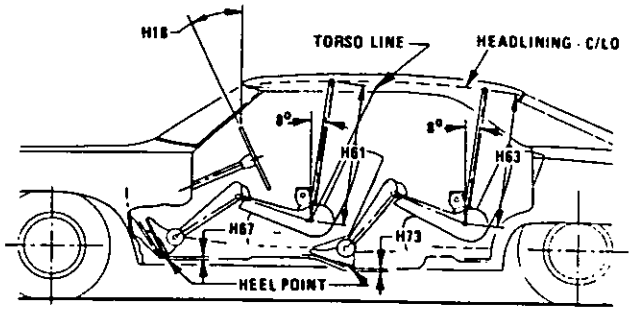


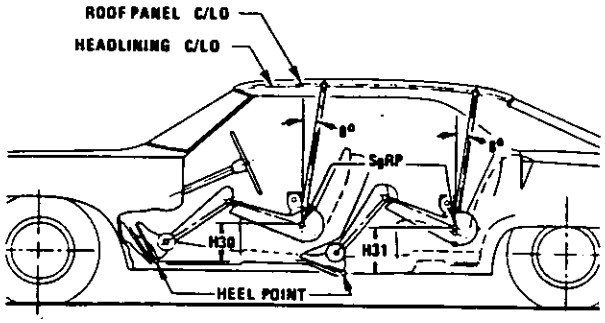
Exterior Ground Clearance

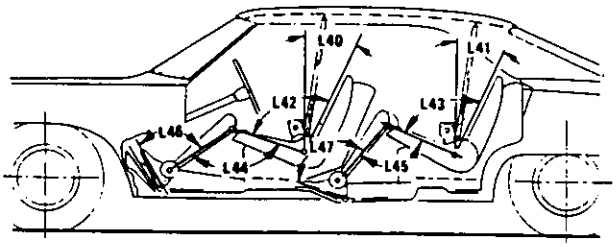


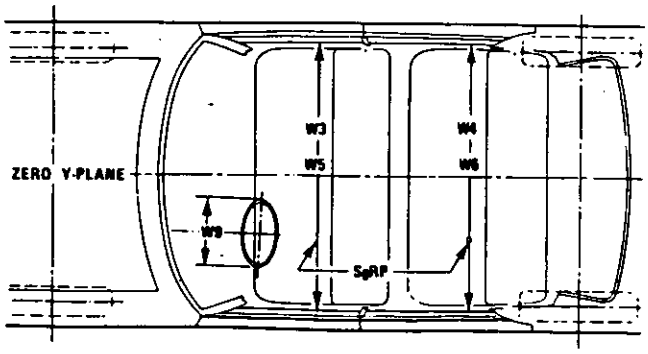
Interior Vehicle And Body Dimensions – Key Sheet

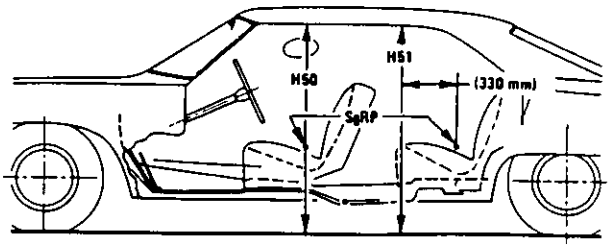






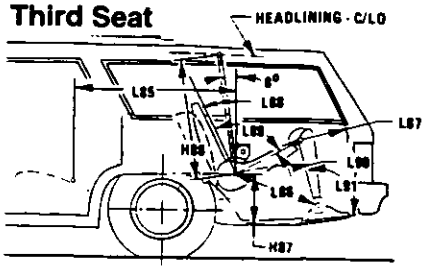


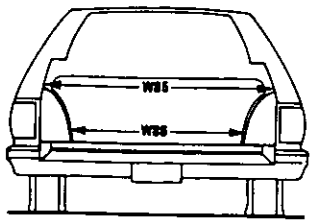




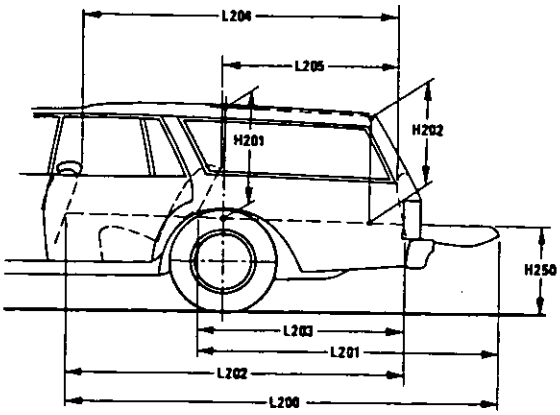
Interior Vehicle And Body Dimensions – Key Sheet

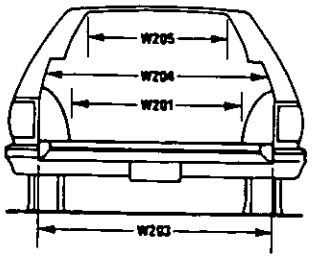
Third Seat



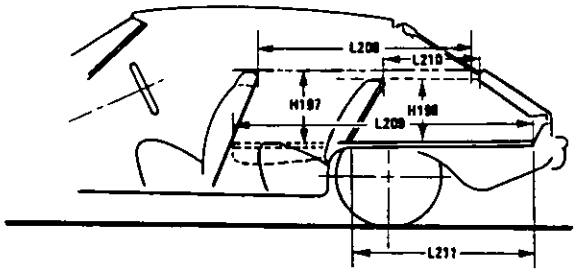


Cargo Space

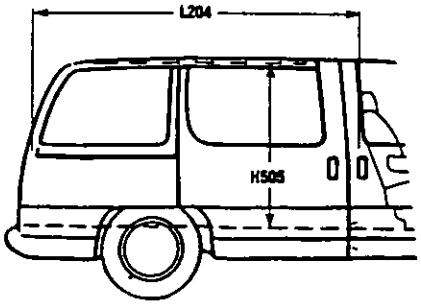


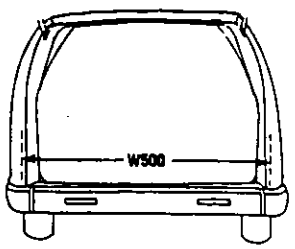


Station Wagon



Hatchback





Multipurpose Vehicle

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 of structural interference rearward of the rear tire to ground. The limiting component shall be designated.

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

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

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

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Glass Areas

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

Fiducial Mark Dimensions

Fiducial Mark – Number 1

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

Fiducial Mark – Number 2

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

Front Compartment Dimensions

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

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

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

L31 SgRP – FRONT. "X" COORDINATED.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 estimates the space in a car. It is based on four measurements – head room, shoulder room, hip room, and leg room – for the front and rear seats, plus trunk capacity.

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

Station Wagon / MPV – Third Seat Dimensions

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

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

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

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

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

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

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

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

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

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

H87 SgRP – THIRD TO HEEL POINT.

SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon / MPV – Cargo Space Dimensions

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

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

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

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

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

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

W201 CARGO WIDTH – WHEELHOUSE. The minimum dimension measured laterally between the trimmed 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.

W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.

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

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

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

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

H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

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 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. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

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

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

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

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

V3 HATCHBACK.

Measured in inches:

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

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

METRIC (U.S. Customary)

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