

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1994

Manufacturer FORD MOTOR COMPANY	Vehicle Line FORD PROBE	
Mailing Address P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued MAY 14, 1993	Revised OCTOBER 1, 1993

Direct questions concerning these specifications to the manufacturer listed above.

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Motor Vehicle Manufacturers Association
of the United States, Inc.

Forms Provided by Technical Affairs Division

MVMA Specifications

Vehicle Line PROBE

Model Year 1994 Issued 5/14/93 Revised (*) 10/1/93

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 (Mfg'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	10/14/93	AB	2/2	36.0 (80)	26/33
(•)	GT MODEL (FWD) 2-Door Hatchback	10/14/93	AX	2/2	36.0 (80)	21/26

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

Vehicle Line PROBE

Model Year	1994
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Issued 5/14/93

Revised (•)

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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	
E N G I N E	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)	88 (118) @ 5500 – 49S 85 (114) @ 5500 – Calif.	88 (118) @ 5500 – 49S 85 (114) @ 5500 – Calif.	122 (164) @ 5600 – 49S 119 (160) @ 5500 – Calif.	122 (164) @ 5600 – 49S 119 (160) @ 5500 – Calif.
		Torque N·m (lb. ft.)	172 (127) @ 4500 – 49S 168 (124) @ 4500 – Calif.	172 (127) @ 4500 – 49S 168 (124) @ 4500 – Calif.	217 (160) @ 4000 – 49S 212 (156) @ 5000 – Calif.	217 (160) @ 4000 – 49S 212 (156) @ 5000 – Calif.
Exhaust single, dual		Single	Single	Dual	Dual	
T R A N S	Transmission/ Transaxle	5-Spd. Manual Transaxle (M5)	4-Spd. Automatic Transaxle (CD4E)	5-Spd. Manual Transaxle (M5)	4-Spd. Automatic Transaxle (4EAT)	
	Effective Final Drive/ Axle Ratio (std. first)	4.10	3.77	4.39	4.16	

[illegible]

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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 Camshafts 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 cm³ (inches³)	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 cm³ (inches³)	54.1 (3.30)	49.5 (3.02)
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4
	R. Bank	N/A
Firing order	1, 3, 4, 2	1, 2, 3, 4, 5, 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
	Added isolation (sub-frame, crossmember, etc.)	Engine Mount Member (No. 2, 5 Mounts)
Total dressed engine mass (wt) dry ***	186 (409.6) w/MT; 178 (392) w/ Auto	224 (493.8) w/ MT; 215 (474) w/ Auto (a)

Engine - Pistons

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

(a) Call. - 228 (509) w/ MT; 219 (489) w/ Auto

* 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 - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard	
Valves	Number intake/exhaust	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/A to C/A)	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.)	4 (Seperate Inserts)	
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	340 (49) - 490 (71) @ 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.)	3.3 (3.5), 3.5 (3.7) w/ Filter	3.7 (3.9), 4.0 (4.2) w/ Filter

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 - 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	
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 – 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	Nippon Denso
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)	70 @ 300 (18.5 @ 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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Vehicle Emission Control

(49 – States)

(California)

(All States)

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 w/ MT Electric w/ Auto	Electric	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	Three	
		Location (s)	Under Floor	Two Attached to the Exhaust Manifold; One Under Floor	
		Volume L (in³)	1.85 (112.9)	2.11 (128.8)	Two – 0.25 (15.3); One 1.85 (112.9)
		Substrate type	Monolith		
		Noble metal type	Pt/Rh = 5/1		
		Noble metal concentration (g/cm³)	0.0016 – Frt. Bed 0.0014 – Rear Bed	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	47.6 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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Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	N/A	
Manual 5-speed (manufacturer/country)	Standard (Mazda/Japan)	
Manual 6-speed (manufacturer/country)	N/A	
Automatic (manufacturer/country)	N/A	
Automatic overdrive (manufacturer/country)	Optional (Ford / U.S.A.)	Optional (Mazda / Japan)

Manual Transmission/Transaxle

Number of forward speeds		Five (M5)	
Gear ratios	1st	3.307:1	
	2nd	1.833:1	
	3rd	1.233:1	1.31:1
	4th	0.914:1	1.03:1
	5th	0.717:1	0.795:1
	6th	N/A	
	Reverse	3.166	
Synchronous meshing (specify gears)		All Forward Gears	
Shift lever location		Floor	
Trans. case mat'l. & mass kg (lbs)*		Aluminum & 13.4 (29.5)	Aluminum & 13.8 (30.4)
Lubricant	Capacity L (pt.)	2.7 (5.7)	
	Type recommended	75W-90W	

Clutch (Manual Transmission)

Clutch manufacturer		Valeo	Daikin Mfg. Co., Ltd.
Clutch type (dry, wet; single, multiple disc)		Single Disc, Dry Plate	
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic	
Max. pedal effort (nom. spring load) N (lbs)	Depressed		
	Released		
Assist (spring, power/percent, nominal)		N/A	
Type pressure plate springs		Diaphragm Spring	
Total spring load (nominal) N (lbs)		4606 (1035)	5194 (1168)
Clutch facing	Facing mfg. & material coding	Valeo	
	Facing material & construction	Semi-Mold	
	Rivets per facing	16	
	Outside x inside dia. (nominal)	225 x 150 (8.86 x 5.9)	225 x 150 (8.86 x 5.9)
	Total eff. area cm ² (in. ²)	220 (34.1)	220 (34.1)
	Thickness (pressure plate side/fly wheel side)	3.8/3.5 (0.15/0.14)	
	Rivet depth (pressure plate side/fly wheel side)	1.7/1.4 (0.07/0.05)	
	Engagement cushion method	Cushion Springs	
Release bearing type & method lub.		Ball & Grease	
Torsional damping method, springs, hysteresis		Rubber Springs	

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

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Automatic Transmission/Transaxle

Trade Name		Transaxle (CD4E)	Transaxle (4EAT): GF4A-EL
Type and special features (describe)		4-Speed with Lock-up Torque Converter	
Shift mechanics			
Gear selector	Location (column, floor, other)	Floor	
	Ltr./No. designation (e.g. PRND21)	P R N D 2 1	
	Shift interlock (yes, no, describe)	Yes, Locks Selector in "Park" Position Until Service Brakes are Applied	
Gear ratios	1st	2.89:1	2.80:1
	2nd	1.57:1	1.54:1
	3rd	1.00:1	
	4th	0.70:1	
	Reverse	2.31:1	2.33:1
	Final drive ratio	3.77:1	4.16
Max. upshift vehicle speed - drive range km/h (mph)		160 (99) 3 to 4	167-177 (104-110) 3 to 4
Max. upshift engine speed RPM			
Max. kickdown speed - drive range km / h (mph)		153 (95) 4 to 3 97 (60) 3 to 2 40 (15) 2 to 1	140-150 (87-93) 4 to 3 89-97 (55-60) 3 to 2 39-45 (74-78) 2 to 1
Min. overdrive speed km / h (mph)		30 (19)	35 (22)
Torque converter	Type	Modulated Lock-up	
	Torus design	Full	
	Number of elements	3-Element, 1-Stage, 2-Phase	
	Max. ratio at stall	1.95:1	2.05:1
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter		250 (9.84)
		Capacity factor "K"	230 @ Speed Ratio: 0 200 @ Speed Ratio: 0
Pump type		Variable Displacement, Trochoid Gear Type	
Lubricant	Capacity refill L (pt.)	6.95 (14.5)	8.6 (1.8)
	Type recommended	ATF M-111 or Mercor	ATF M-111
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Internal, Oil to Engine Coolant	
Transmission mass kg (lbs) & case material**		Aluminum	

All Wheel / 4 Wheel Drive

(NOT OFFERED)

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)		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)
	No. of teeth	Pinion	19	N/A	18
		Ring gear	78	N/A	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 357 (0.94 x 14.06)	26.3 x 380 (1.04 x 14.96)	
		Right	24 x 380 (0.94 x 14.96)	26.3 x 380 (1.04 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.)				
	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 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.)	—
	s e n s o r s	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 25.4 (1.0) Tube	Steel and 27.2 (1.07) 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
		Shackle (comp. or tens.)	—
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & O.D. bar/tube, wall thickness	Steel & 12 (0.47) Bar	
Track bar (type)		N/A	

MVMA Specifications

Vehicle Line PROBE

Model Year 1994 Issued 5/14/93 Revised (*)

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

BASE MODEL

GT MODEL

Brakes — Service

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, w/Opt. 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			57.12 (2.25)/17.46 (0.69)	57.12 (2.25)/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		Ferode Automotive Products, Inc.	
		Lining code*****		FA004 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	
		Lining code*****		NBK d9071 AFE	NBK D6203 FF
		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

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METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

BASE MODEL

GT MODEL

Tires And Wheels (Standard)

Tires	Size (service description)		P195/65R14 88S	P225/50R16 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" JJ
	Wheel offset		35 (1.38)	40 (1.57)
	Attachment	Type (bolt or stud & nut)	Stud	
		Circle diameter	114.3 (4.5)	
Spare	Number & size		Five & M12 — 1.5	
	Tire and wheel		T125/70D15 and 15 x 4T	T135/70D15 and 15 x 4T
	Storage position & location (describe)			

Tires and wheels (Optional)

Tire size (service description)	P205/55R15 87S	N/A
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	—
(*) Wheel (type & material)	Aluminum Alloy	N/A
Rim (size, flange type and offset)	15" x 6" JJ, Offset 40 (1.57)	—
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
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)	—

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Vehicle Line PROBE

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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.)	10.9 (35.8)	
	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

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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.)	2° 30'	
		Camber (deg.)	-0° 42'	-0° 54'
		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

MVMA Specifications

Vehicle Line PROBE

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METRIC (U.S. Customary)

SUPPLEMENTAL PAGE

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 1994 Issued 5/14/93 Revised (*) _____

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	
		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
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MVMA Specifications

Vehicle Line PROBE

Model Year 1994

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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
Hatch-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	High 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
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MVMA Specifications

Vehicle Line PROBE

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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.)	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
	Standard / optional	Third seat	N / A	N / A	N / A
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual lap belt)	First seat	Supplemental Air Bag (Inflated with Nitrogen Gas), <i>STANDARD</i>	N / A	Supplemental Air Bag (Inflated with Nitrogen Gas), <i>STANDARD</i>
		Second seat	N / A	N / A	N / A
	Standard / optional	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)
Windshield glass (type/thickness)		Laminated / 4.7 (0.18)
Side glass (type/thickness)		Tempered / Side Door — (0.18); Rear Quarter — 3.5 (0.14)
Backlight glass (type/thickness)		Tempered / 3.5 (0.14)
Tinted (yes/no, location)		Yes / 3, Backlight and Quarter
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

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METRIC (U.S. Customary)

Engine Code/Description

ALL MODELS

Climate Control System

Air conditioning (std., opt., man., auto.)		Manual Temperature Control, Optional
Condenser	Type	
	Eff. face area (sq. mm.)	
	Fins per inch	
Evaporator	Type	
	Eff. face area (sq. mm.)	
	Fins per inch	
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	28,616
	Fins per inch	21
Compressor	Type	
	Displacement (cc.)	
	Manufacturer	
	A/C pulley ratio	
Accumulator	Type	
	Height (mm.)	
	Diameter (mm.)	
Receiver	Type	
	Height (mm.)	—
	Diameter (mm.)	—
Refrigerant control (CCOT, TVS, etc.)		
Heater water valve (yes/no)		No
Refrigerant (R - 12, R - 134a, etc.)		
Charge level (lbs. - oz.)		
Cold engine lockout switch (yes/no)		No
Wide open throttle cutout switch (yes/no)		No

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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)
	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	
	Trip/finder (avg. spd., fuel)	N/A	
	Voice alert (list items)	N/A	
	Other	—	
	Redundant Radio Controls	N/A	
	Fuel door lock (remote, key, electric)	Optional, 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	Standard
	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

METRIC (U.S. Customary)

Model Code/Description

Vehicle Line PROBE

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Revised (*)

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, <i>DRIVER AND PASSENGER SIDES WITH EXPRESS DOWN</i>	
	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	
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.

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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

BASE MODEL

GT MODEL

Width
SAE Ref. No.

Tread (front)	W101	1520 (59.8); 1510 (59.4) w/ Opt. 15" Tire	1510 (59.4)
Tread (rear)	W102	1520 (59.8); 1510 (59.4) w/ Opt. 15" Tire	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	2610 (102.8)	
Vehicle length	L103	4540 (178.7) (a)	4560 (179.5)
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.

(*) (a) 4560 (179.5) w/ Sport "SE" Appearance Pkg.

MVMA Specifications

Vehicle Line PROBE

Model Year 1994 Issued 5/14/93 Revised (*)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

BASE MODEL

GT MODEL

Front Compartment	SAE Ref. No.	
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

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line PROBE

Model Year 1994

Issued 5/14/93

Revised (•)

Model Code/Description

BASE MODEL

GT MODEL

Station Wagon/MPV*
- Third Seat

SAE
Ref.
No.

(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 1994

Issued 5/14/93

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.

METRIC (U.S. Customary)

Model Year 1994

Issued 5/14/93

Revised (*)

* 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.

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

50 (112) w/2.0L

51 (113) w/2.5L

METRIC (U.S. Customary)Model Year 1994

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Revised (•)

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