# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

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

1995

Manufacturer	Vehicle Line	
FORD MOTOR COMPANY	FORD	CONTOUR
Mailing Address	POND CONTOUR	
P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued FEBRUARY 28, 1994	Revised

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.



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

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

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#### NOTE:

- 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.

Vehicle Line	CONTOUR				
Model Year	1995	Issued	2/28/94	Revised (*)	

### METRIC (U.S. Customary)

Vehicle Origin

Tombio Origin	
Design & development (company)	Ford Motor Company
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Ford Division, 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)
FRONT WHEEL DRIVE (FWD)					
CONTOUR GL					
4-Door Sedan	9/29/94	65FA	2/3	68 (150)	
CONTOUR LX					
4-Door Sedan	9/29/94	66FA	2/3	68 (150)	
CONTOUR SE					
4-Door Sedan	9/29/94	67FA	2/3	68 (150)	

<sup>\*</sup> 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	В	C	D
	Engine	Code	993	993	99L	99L
	Displac Liters (	cement (in³)	2.0 (121)	2.0 (121)	2.5 (155)	2.5 (155)
EZ(		on System ub, etc.)	Sequential Electronic Port Fuel Injection			
G I N	Compr Ratio	ression	9.6:1	9.6:1	9.7:1	9.7:1
E	SAE Net	Power kW (bhp)	93 (125) @ 5500	93 (125) @ 5 <b>500</b>	127 (170) @ 6250	127 (170) @ 6250
	at RPM	Torque N•m (lb. ft.)	176 (130) @ 4000	176 (130) @ <b>4000</b>	224 (165) @ 4250	224 (165) @ 4250
	Exhau single		Single	Single	Single	Single
T R	Transi Transi	mission/ axle	5-Spd. Man. MTX-75 Transaxle	4-Spd. Auto. CD4E Transaxle	5-Spd. Man. MTX-75 Transaxle	4-Spd. Auto. CD4E Transaxle
A N S		ive Final Drive/ latio (std. first)	3.82:1	3.92:1	4.06:1	3.77:1

Series Availability		Power Teams	(A - B - C - D)
Model	Code	Standard	Optional
GL 4-Door Sedan		A	B,C,D
LX 4-Door Sedan	· · · · · · · · · · · · · · · · · · ·	A	8,C,D
SE 4 Door Sedan		c	D
			· · · · · · · · · · · · · · · · · · ·
<del> </del>		<del></del>	

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

Engine Description Engine Code

Vehide Line	CONTOUR				
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2.0L

### **ENGINE - GENERAL**

Type and description (inline, V, angle, flat, ocation, front, mid, rear, ransverse, longitudinal, soho, doho, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front Transverse, (DOHC) Dual Overhead Camshaft, Multi-Valve, 4-Valves Per Combustion Chamber	
Aanufacturer		Ford Motor Company	
lo, of cylinders		Four	
3ore	<del></del>	84.8 (3.34)	
Stroke		88.0 (3.46)	
Bore spacing (C	VL 10 C/L)	91.8 (3.61)	
Cylinder block m	naterial & mass kg (lbs.) (machined)	Cast Iron and 36.8 (81.21)	
Cylinder block d	leck height	215.3 (8.48)	
Cylinder block le	ength	395.0 (15.55)	
Deck clearance (above or below			
Cylinder head n	naterial & mass kg (lbs.)	Aluminum & 13.2 (29.1)	
Cylinder head v	volume cm³ (inches³)	47.7 (2.91)	
Cylinder liner m	naterial	N/A	
Head gasket thickness (compressed)		1.66 (0.66)	
Minimum comb total volume cr	ustion chamber n³ (inches³)	47.7 (2.91)	
Cyl. no. system	L. Bank	1, 2, 3, 4	
(front to rear)*	R. Bank	N/A	
Firing order		1, 3, 4, 2	
Intake manifold	i material & mass kg (lbs.)**	Fiberglass Reinforced Nylon Resin & 3.07 (6.7)	
Exhaust manife	old material & mass kg (lbs.)**	Cast Iron & 4.7 (10.4)	
Knock sensor (	(number & location)	One & Cylinder Block	
Fuel required unleaded, diesel, etc.		Unleaded	
Fuel antiknock index (R + M) ÷ 2		87 Minimum	
	Quantity	Four – 2 Torque-Roll Axis & 2 Roll-Restrictors	
Engine mounts	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric	
i i tunur isal	Added isolation (sub-frame, crossmember, etc.)	Isolated Front Subframe	
Total dressed	engine mass (wt) dry ***	114.0 (251.0)	

### Engine - Pistons

<del></del>	
Material & mass, g (weight, oz.) - piston only	High Silicon Aluminum & 177 (0.97) For Four

### Engine - Camshaft

Location		Overhead (Dual)	
Material & mas	s kg (weight, lbs.)	Chilled Cast Iron & 2.18 (4.8)	
Drive type	Chain/belt	Belt	
Orive type	Width/pitch		

<sup>\*</sup> Rear of engine - drive takeoff, View from drive takeoff end to determine left & right side of engine.

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<sup>&</sup>quot; Finished state.

<sup>\*\*\*</sup> Dressed engine mass (weight) includes the following:

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Engine	Description
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2.5L			

### **ENGINE - GENERAL**

<u> </u>	CITCHAL			
ocation, front, m ransverse, longi	ption (inline, V, angle, flat, nd, rear, itudinal, sohc, dohc, te, pre-chamber, etc.)	V-6, 60°, Front Transverse, (DOHC) Dual Overhead Camshafts Per Cylinder Head, Multi-Valve 24-Valves, Combustion Chambers, Variable Induction Intake with Dual Tuned Runners for Each Cylinder		
Manufacturer		Ford Motor Company		
No. at cylinders		Six		
Bore		82.4 (3.24)		
Stroke		79.5 (3.13)		
Bore spacing (C	C/L to C/L)	102.0 (4.02)		
Cylinder block m	naterial & mass kg (lbs.) (machined)	Aluminum		
Cylinder block d	leck height	208 (8.19)		
Cylinder block le	ength	396 (15.6)		
Deck clearance (minimum) (above or below block)		0.415 (0.016) Below to 0.115 (0.0045) Above		
Cylinder head m	naterial & mass kg (lbs.)	Aluminum & 10.2 (22.5) - RH and 10.56 (23.3) - LH		
Cylinder head v	olume cm³ (inches³)	44.5 (2.72) Above Head Gasket		
Cylinder liner m	aterial	Cast Iron		
Head gasket thickness (compressed)		1 (0.034)		
Minimum combi total volume cm		45.1 (2.76)		
Cyl. no. system	L. Bank	4, 5, 6		
(front to rear)*	R. Bank	1, 2, 3		
Firing order	· · · · · · · · · · · · · · · · · · ·	1, 4, 2, 5, 3, 6		
Intake manifold	material & mass kg (lbs.)**	Aluminum		
Exhaust manifo	old material & mass kg (lbs.)**	Stamped Steel		
Knock sensor (	number & location)	One & on RH Rear Side of Block		
Fuel required u	nleaded, diesel, etc.	Unleaded		
Fuel antiknock	index (R + M) ÷ 2	87 Minimum		
	Quantity	Four – 2 Torque-Roll Axis & 2 Roll-Restrictors		
Engine mounts	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric		
	Added isolation (sub-frame, crossmember, etc.)	Isolated Front Subframe		
Total dressed e	engine mass (wt) dry ***	167 (368)		

### Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Hi-Silicon Aluminum & 305 (10.8)	

### Engine - Camshaft

Location		Overhead, (Dual) on Each Cylinder Head	-
Material & ma	iss kg (weight, lbs.)	Forged Steel Looes Assembled to Steel Tube	
Drive type	Chain/belt	Chain	
	Width/pitch	14.69 (0.59) 3 3 5 0 375)	

<sup>\*</sup> Rear of engine – drive takeoff. View from drive takeoff end to determine 🖛 🕻 🐠 Los of engine.

<sup>&</sup>quot; Finished state.

<sup>\*\*\*</sup> Dressed engine mass (weight) includes the following: Most engine mounted components such as: throttle body, RH exhaust/catalyst, power steering pump & bracket, partial engine mount, alternator, A/C compressor, automatic transmission flex plate and linkshift bracket.

#### Vehide Line CONTOUR **MVMA Specifications** Model Year \_\_1995 Issued 2/28/94 Revised (\*) METRIC (U.S. Customary) 2.5L 2.0L Engine Description **Engine Code** Engine - Valve System Standard Hydraulic lifters (std., opt., n.a.) 8/8 12/12 Number intake/exhaust Valves 32 (1.26) / 26 (1.02) 32 (1.26) / 28 (1.102) Head O.D. intake/exhaust Engine - Connecting Rods Sintered Powder Powered Metal Material & mass kg., (weight, lbs.)\* 138.1 (5.44) 136.2 (5.36) Length (axes C/L to C/L) Engine - Crankshaft Forged Steel & 13.95 (30.75) Cast Iron & 13.2 (29.1) Material & mass kg., (weight, lbs.)\* End thrust taken by bearing (no.) 17.8 (0.70) & Four Length & number of main bearings 24.45 (0.96) Width & Five Dual Lip Fluorocarbon - One Piece Fluoroelastomer - One Piece Seal (material, one, two piece design, etc.) Single Lip Fluorocarbon - One Piece Fluoroelastomer - One Piece Rear Engine - Lubrication System 310 (45.0) - 448 (65.0) @ 4500 rpm Normal oil pressure kPa (psi) at engine rpm Type oil intake (floating, stationary) Stationary Oil filter system (full flow, part, other) **Full Flow** Capacity of c/case, less filter-refill-L (qt.) 3.75 (3.96) Plus Oil Filter 5.2 (5.5) with Filter (NOT OFFERED) Engine - Diesel Information Dieset engine manufacturer Glow plug, current drain at 0°F Type Injector nozzie Opening pressure kPa (psi) Pre-chamber design Fuel injection Manufacturer pump 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)

(NOT OFFERED)

Intercooler

Engine – Intake System

Turbo charger - manufacturer

Super charger - manufacturer

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<sup>\*</sup> Finished state.

Vehicle Line CONTOUR

Model Year 1995 Issued 2/28/94

\_\_ Revised (•)

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

Engine Description Engine Code

2.0L 2.5L

ngine Code	•		
inalne – (	Cooling System		
	ery system (std., opt., n.a.)	Standard	" " " <u> </u>
		Bottle	
colant fill location (rad., bottle)		Bottle	126 159 (19 2 22 0)
	relief valve pressure kPa (psi)		
roulation Type (choke, bypass) emostat Starts to open at °C (°F)			
			126 - 158 (18.3 - 22.9)
	Type (centrifugal, other)	Centrifugal	
	GPM 1000 ритр грт		8.5
ater	Number of pumps	One	
nuib and	Drive (V-belt, other)	V-Belt	
	Bearing type		Roller and Ball
	Impeller material		Plastic (PPS)
	Housing material	Cast Iron	Aluminum
/-pass recir	culation type (inter., ext.)	External	
coling	With heater - L(qt.)		
ystem	With air conditioner - L(qt.)		
apacity	Opt. equipment specify - L(qt.)		
ater jackets	s full length of cyl. (yes, no)	Yes	No
ater all aro	und cylinder (yes, no)	No	Yes
	s open at head face (yes, no)		No
,	Std., A/C, HD	Standard	Standard, A/C
	Type (cross-flow, etc.)	Cross-flow	
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube, Brazed, w/ Plastic Tanks	
Radiator	Material, mass kg (wgt., lbs.)		Aluminum, 4 (8.82)
~•	Width		
	Height		
	Thickness	<del></del>	
	Fins per inch		
Padiator and	tank material	Plastic (Glass Filled Mylon)	
NOTICE WITH	1.		
	Std., elec., opt.	Standard, Electric	<u> </u>
	Number of blades & type (flex, solid, material)		Six & Glass Filled Nylon
	Number & location (front, rear of radiator)	One & Rear of Radiator	One (Two Speed) & Rear of Radiusor
	Diameter & projected width		Approx. 386 (15.2) & 45 to 75 (1 77 to 2.95)
an	Ratio (fan to crankshaft rev.)	N/A	
ayı	Fan cutout type		
	Drive type (direct, remote)	Remote	
	RPM at idle (elec.)		2480
	Motor rating (wattage/elec.)	<del></del>	
	Motor switch (type & locationvelec.)	<del>-  </del>	
	Switch point (temp./pressure/elec.)		Temperature & A/C Status
		_ <del> _</del>	TOTAL POTENTIAL OF THE PARTY OF

 Vehicle Line
 CONTOUR

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

Engine Description Engine Code

2.0L	2.5L	-

Engine Code		<u> </u>			
Engine – Fr	uel System (See supplementa	al page for details of Fuel Injection, Supercharger, T	Furbocharger, etc. if used)		
	carburetor, fuel	Sequential Electronic Port Fuel Injection Sys			
//anufacturer		Ford Motor Company			
arburetor no. o	of barrels	N/A			
dle A/F mix.		Closed Loop Adaptive (Stoichiometric)	TBD		
	Paint of injection (no.)	Intake Ports (4)	Intake Ports (6)		
-uel	Constant, pulse, flow	Timed Pulse			
injection	Control (electronic, mech.)	Electronic			
	System pressure kPa (psi)	270 (40)			
	Manual	850	725 - A/C Off; 750 - A/C On		
ldle spdrpm (spec. neutral					
or drive and propane if used)	Automatic	650	725 – A/C Off; 750 – A/C On		
	d heat control (exhaust hostatic or fixed)	Water Thermostatic	N/A		
Air deaner type	ма	Paper Element			
Fuel filter (type		Stainless Steel Case w/ Paper Element on	Stainless Steel Case w/ Paper Element on Fuel Tank		
	Type (elec. or mech.)	Electric			
	Location (eng., tank)	In Fuel Tank			
Fuel Pumo	Pressure range kPa (psi)	207 - 310 (30 - 45) Running; 241 - 310 (3	35 – 45) Not Running		
Punp	Flow rate at regulated pressure L (gail/hr @ kPa (psi)	80 (21) / Hr. @ 310 (45)			
Fuel Tank					
Capacity refill I	L (galions)	55.0 (14.5)			
Location (desc	cribe)	In Front of Rear Suspension			
Attachment		Straps			
Material & Ma	ass kg (weight lbs.)	Hi-Density, Poly Ethylene & 9.4 (20.7)			
Filler	Location & material	RH Rear Quarter Panel & Hi-Density, Poly			
pipa	Connection to tank	Mechanically Restrained Rubber Grommet	<u> </u>		
Fuel line (mate	terial)	Steel			
Fuel hose (ma	aterial)	Nylon	•		
Return line (m	naterial)	Steel / Nylon			
Vapor line (ma	naterial)	Steel / Nylon			

N/A

N/A

Extended

Auxiliary

range tank Opt., n.a.

Opt., n.a.

Attachment

Separate fill

Capacity L (gallons)

Location & material
Attachment

Capacity L (gallons) Location & material

Selector switch or valve

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Engine	Description
Engine	Code

Vehicle Line	CONTOUR	 		
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2.0L		2.5L		

### **Vehicle Emission Control**

	Type (air inje modifications		Engine Modifications	N/A
		Pump or pulse	N/A	
		Driven by	-	
	Air Injection	Air distribution (head, manifold, etc.)	_	
		Point of entry	-	
		Type (controlled flow, open orifice, other)	Controlled Flow	
	Exhaust Gas	Exhaust source		RH Exhaust Manifold
xhaust Emission Control	Recircula- tion	Point of exhaust injection (spacer, carburetor, manifold, other)	Manifold	Intake Manifold
	<u> </u>	Туре		
		Number of	One	Three
	Catalytic	Location (s)	Close-Coupled To Manifold	2 - Close-Coupled to Manifold 1 - Underbody
	Converter	Volume L (in³)		RH -0.47 (29), LH -0.65 (40); UB -2 x 0.92 (60)
		Substrate type		Monolith
		Noble metal type		
		Noble metal concentration (g/cm³)		
	Type (ventilates to atmosphere, induction system, other)		Vents to Induction	Closed
Crankcase Emission	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	•
Control	Discharges manifold, o		Intake Manifold	
	Air inlet (bro	eather cap, other)		Air Hoses
Evapora-	Vapor venti		Canister	
tive Emission	canister, ot		N/A	•
Control	Vapor stora	age provision	Canister	
Electronic	Closed loo	o (yes/no)	Yes	
system	Open loop	(yes/no)	No	

### Engine - Exhaust System

Type (single, single with cross-over, dual, other)  Wutfler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)  Resonator no. & type		Single With Flex Coupling	Single with Crossover and Flex Coupling (A/T Variants)
		One, Reverse Flow	TBD
		N/A	
Exhaust pipe	Branch o.d., wall thickness	N/A	
	Main o.d., wall thickness		
	Material & Mass kg (weight lbs)		
Intermediate	o.d. & wall thickness	50.8 (2.00)	TBD
bibe	Material & Mass kg (weight lbs)		
Tail	o.d. & wall thickness		
pipe	Material & Mass kg (weight lbs)		

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Manual 4-speed (manufacturer/country)	N/A	
Manual 5-speed (manufacturer/country)	Standard (Ford / Germany)	
Manual 6-speed (manufacturer/country)	N/A	
Automatic (manufacturer/country)	N/A	
Automatic overdrive (manufacturer/country)	Optional 4-Speed (Ford / U.S.A.)	
Manual Transmission/Transaxie		
Number of forward speeds	Five	
recined of formatic appropria		

2.0L

lumber of forward speeds		Five	
	1st	3.42	
	2nd	2.14	
	3rd	1.45	
Gear atos	4th	1.03	
	5th	0.77	
	6th		
	Reverse	3.46	
Synchronous	meshing (specify gears)	All Forward Gears	
Shift lever loc	cation	Floor	
Trans. case (	mari. & mass kg (ibs)*	Die Cast Aluminum	
1	Capacity L (pt.)	2.6 (5.5)	
Lubricant	Type recommended	ESD-M2C186-A	

Clutch (N	Aanual Tra	ansmission)			
Clutch manu	Stutch manufacturer		F+S		
Clutch type	(dry, wet; sing	gle, multiple disc)	Single Disc, Dry Plate		
Linkage (hyd	draulic, cable	, rod, lever, other)	Hydraulic		
Max. pedai (	effort (nom.	Depressed	90 (20.2)	100 (22.5)	
spring load)		Released	90 (20.2)	100 (22.5)	
Assist (sprin	ng, power/per	cent, nominal)			
Type pressu	ure plate sprir	ngs	Diaphragm	<b>b</b> ·	
Total spring	Total spring load (nominal) N (lbs)			4700 (1057)	
	Facing	mfgr. & material coding	Birel		_
	Facing	material & construction	Non-Asbestos		
	Rivets per facing		8		
	Outside x inside dia. (nominal)		240 (9.45) x 170 (6.69)		
Clutch	Total e	ff. area cm² (in.²)			
facing	Thickness (pressure plate side/fly wheel side)		12 (0.47)		
		lepth (pressure plate wheel side)			
	Engag	ement cushion method			
Release be	aring type &	method lub.			
Torsional d	lamping meth	od, springs, hysteresis			

<sup>\*</sup> Includes shift linkage, lubricant, and clutch housing. If other specify.

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			2.5L		

Automatic Tran	smission/Transaxle
----------------	--------------------

rade Name		(CD4E) Transaxle			
ype and spec	aal features (describe)	4-Speed, Electronic Controlled with Overdrin and Synchronous Shift	ve, Lock-Up Torque Converter		
Shift mechanic	zs.	1 to 2 Non-Synchronous, 2 to 3 Synchronou 3 to 4 Non-Synchronous	ıs,		
	Location (column, floor, other)	Floor			
Gear selector	Ltr./No. designation (e.g. PRND21)	PRNO21			
	Shift interlock (yes, no, describe)	Yes, Locks Selector in "Park" Position Until	Service Brakes are Applied		
	1st	2.89			
	2nd	1.57			
Gear	3rd	1.00			
ratios .	4th	0.70			
	Reverse	2.31	2.31		
	Final drive ratio	3.92			
Aax. upshift vehicle speed - drive range km/h (mph)		(a)	(b)		
Max. upshift e	ngine speed RPM	6600	6400 1 to 2, 2 to 3; 6200 3 to 4		
Max. kickdow	n speed - drive range km / h (mph)	145 (90) 4 to 3 93 (58) 3 to 2	153 (95) 4 to 3 97 (60) 3 to 2		
Min. overdrive	speed km / h (mph)	48 (30)			
	Туре	Modulated Lock-Up Capable			
	Torus design	20% Squashed	<del> </del>		
_	Number of elements	Three			
Torque converter	Max. ratio at stall	1.98:1	2.15:1		
	Type of cooling (air, liquid)	Liquid	<del> </del>		
	Nominal diameter	235 (9.25)	260 (10.25)		
	Capacity factor "K"	234	209		
Pump type		Gear and Crescent			
Lubricant	Capacity refill L (pt.)	8.4 (17.8)	9.5 (20.0)		
	Type recommended	ESP-M2C166-H (Mercon® for Service)			
Oil cooler (st	d., opt., N.A., internal, external, air, liquid)	Standard, External, Oil to Engine Coolant			
Transmission	mass kg (lbs) & case material**	Aluminum & 80 (177.0)	Aluminum & 84 (185.0)		

Vehicle Line CONTOUR

2.0L

### Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.) Manufacturer and model Transfer case Type and location Low-range gear ratio System disconnect (describe)

\* Input speed + viorque

viscous bias, torsen, etc.) Torque split (% front/rear)

Type (bevel, planetary, w or w/o

Center differential

<sup>\*\*</sup> Dry weight including torque converter. If other, specify,

<sup>(</sup>a) 51 (32) 1 to 2, 103 (64) 2 to 3, 153 (95) 3 to 4

<sup>(</sup>b) 64 (40) 1 to 2, 114 (71) 2 to 3, 173 (108) 3 to 4

#### Vehide Line \_\_CONTOUR **MVMA Specifications** Issued 2/28/94 Revised (\*) Model Year 1995 **METRIC (U.S. Customary)** 2.5L 204 **Engine Description** Engine Code (See 'Power Teams' for axle ratio usage) Axle Ratio and Tooth Combinations 3.77 (2.45) 4.06 (3.03) 3.92 (2.45) Effective final drive ratio (or overall top gear ratio) 3.82 (3.25) (Chain) (Gear) (Chain) 3.82 (Gear) Transfer ratio and method (chain, gear, etc.) Ring gear o.d. Front Pinion No. of unit teeth Ring gear Front Drive Unit Integral to Transmission Description (integral to trans., etc.) N/A Limited slip differential (type) Bevel Gear Type Drive pinion Offset Two No. of differential pinions Adjustment (shim, etc.) Pinion / differential Bearing adjustment Tapered Roller Bearing Driving wheel bearing (type) Part of Transmission Lubricant - 2.6 (5.5) Capacity L (pt.) Lubricant ESD-M2C786-A (Mercon® for Service) Type recommended Axle Shafts — Front Wheel Drive GKN, Two - One Each, LH and RH Sides Manufacturer and number used Left Straight Type (straight, solid bar, tubular, etc.) Straight Right Left Manual transaxle Right Outer diam. x length x wall Left Automatic transaxle Right thickness Left Optional transaxle Right Integral with C.V. Joint Type N/A Number of teeth Spline o.d. N/A **GKN** Make and mfg. no. Inner GKN Outer 4 Number used Inner Type, size, plunge Universal Outer joints Attach (u-bolt, clamp, etc.) Type (plain, Anti-Friction anti-friction) Bearing Lubrication Prepack (fitting, prepack) Drive taken through (torque tube, arms or springs) Torque taken through (torque tube,

arms or springs)

<sup>\*</sup> Centerline to centerline of universal joints, or to centerline of attachment.

Vehicle Line CONTOUR

Model Year 1995 Issued 2/28/94 Revised (+)

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

Model Code/Description And/Or Engine Code/Description ALL MODELS EXCEPT SE MODEL w/ STD. 2.0L w/OPT. 2.5L

SE MODEL w/STD. 2.5L

Suspension - General Including Electronic Controls

	Star	ndard/optional/not avail.	N/A
	Manual/automatic control		-
	Тур	e (air/hydraulic)	-
Car leveling	Prin	nary/assist spring	
ieveliuā	Rea	r only/4 wheel leveling	-
	Sing	gle/dual rate spring	
	Sing	gle/dual ride heights	
	Pro	vision for jacking	
	Sta	ndard/option/not avail.	N/A
	Mai	nual/automatic control	
	Nur	mber of damping rates	
Shock absorber damping		e of actuation (manual/ ctric motor/air, etc.)	
controls	5	Lateral acceleration	
	e n	Deceleration	
	ò	Acceleration	
	3	Road surface	<u> </u>
Shock	Тур	De	Combined Strut / Gas-Pressurized / Hydraulic
absorber	Ma	ke	Tokico
(front & rear)	Pis	ton diameter	Front - 48 (1.89); Rear - 45 (1.77)
	Ro	d diameter	Front – 22 (0.87); Rear – 22 (0.87)

Suspension - Front

Type and des	cription	Independent Strut-Type w All Steering and Suspensi	rith Lower A-Arms, Strut-Mounted Coor Components are Connected to F	oil Springs and Sta-Bar Rubber-Mounted Subframe (a)	
Travel Spring	Full jounce (define load condition)	80 (3.15)			
	Full rebound	100 (3.94)			
	Type (coil, leaf, other & material)	Coil, Helical			
	Insulators (type & material)	N/A			
	Size (Leaf: length & width; Coil; design height & i.d.; Bar: length & diameter)	185 (7.28) & 51 (2.0)	182 (7.17) & 51 (2.0)	178 (7.0) & 51 (2.0)	
	Spring rate (N/mm (lb./in.))	18 (159.3)	20 (177.0)	• 24 (212.0)	
	Rate at wheel [N/mm (lb./in.)]	18.8 (166.4)	20.6 (182.3)	24.3 (215.1)	
Stabilizer	Type (link, linkless, frameless)	Link			
	Material & O.D. bar/tube, wall thickness	Steel & 20 (0.79) Bar	-		

Suspension - Rear

		Independent Quadralinks Rigidly Mounted Subframe	with Struts, Strut-Mounted Coil Spri	ngs and Sta-Bar Mounted to a	
	Full jounce (define load condition)		100 (3.94)		
Fravel	Full re	bound	130 (5.12)		
	Type (coil, leaf, other & material) Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter) Spring rate [N/mm (lb./in.)] Rate at wheel (N/mm (lb./in.)]		Coil, Conical		
			234 (9.20) & 85 (3.35)		223 (8.78) & 85 (3.35)
Spring			16 (142)	<del></del>	21 (186)
oping			16.3 (144.3)		22.4 (198.3)
	Insulators (type & material)		N/A		Sleeve & Plastic (b)
	If	No. of leaves	N/A		
	ieal	Shackle (comp. or tens.)	_		
Stabilizer	Type (link, linkless, frameless)  Material & O.D. bar/tube, wall thickness		Link		
			Steel & 16 (0.63) Bar	Steel & 17 (0.67) Bar	Steel & 18 (0.71) Bar
Track bar (typ	<b>)</b>		N/A		

<sup>(</sup>a) Lower A-arms are connected with hydromount bushings

<sup>(</sup>b) Polyurethane plastic

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

Model Code/Description And/Or Engine Code/Description GL, LX MODELS w/Std. 2.0L (See Page 12A for Models w/Opt. 2.5L)

Brakes — Se	ervice				
Description					Four Wheel Hydraulic Actuated System
Manufacturer and	d	Front (disc	or drum		Disc, Standard
brake type (std.,	., opt., n.a.) Rear (disc or drum)		)	Drum, Standard (Disc Included w/ Opt. 2.5L Engine)	
Valving type (proportion, delay, metering, other)			Proportion		
Power brake (sto					Standard
Booster type (remote, integral, vac., hyd., etc.)			tc.)		Vacuum
	Source (inline	e, pump, etc	.)		Inline
Vacuum	Reservoir (vo	( <sup>2</sup> .ni emuk			311 cm³ (19)
Ī	Pump-type (elec, gear driven, belt driven)				N/A
Traction	Operational 5	speed range	ed range		All Speeds
assist	Type (engine	or brake int	terventic	on)	Brake and Engine Intervention
	Front / rear (:	std., opt., n.:	a.)		Optional
	Manufacturer				Bendix
	Type (electro	onic, mech.)			Electronic
Anti-lock	Number sen	sors or circu	its		4
device	Number anti	-lock hydrau	lic circu	its	4
	Integral or a	dd-on syster	п		Integral
	Yaw control	Yaw control (yes, no)			No
	Hydraulic power source (elec., vac. mir., pwr. si		.mr.,pwr.strg.)	Electric	
Effective area cm²(in.²)*					152 (23.6) Front / 260 (40.3) Rear
Gross lining area cm²(in.²)**(F/R)					200 (31.0) / 260 (40.3)
Swept area cm	ot area cm²(in.²)***(F/R)			1252 (194.0) / 472 (73.2)	
Outer working d		ng diameter	diameter F/R		260 (10.23) / N/A
_	Inner working diameter			F/R	161 (6.34) / N/A
Rotor	Thickness		F/R	24 (0.94) / N/A	
	Material & t	ype (vented/	(solid	F/R	Grey Cast Iron & Vented / N/A
Drum	Diameter &	width		F/R	N/A / 203 (8.0) & 37 (1.50)
	Type and m	naterial		F/R	N/A / Cast Iron
Wheel cylinder	bore				22.2 (0.87)
Master cylinde	er 8	lore/stroke		F/R	25.4 (1.0) / 32.0 (1.26) Non-ABS, 34.0 (1.34) ABS
Pedal arc ratio	)				3.7:1
Line pressure	at 445 N(1001	b.)pedal loa	d (kPa (	psi))	9170 (1330)
Lining dearan	COB			F/R	0.3 (0.012) ± 0.1 (0.004) / 0.15 to 1.1 (0.006 to 0.043)
		Bonded	or rivete	d (rivets/seg.)	Bonded
		Rivet siz			N/A
		Manutad			Textar, Ferodo or Galfer
	Front	Lining a	ode	·	TX 4027FF, FER 3432F FF or GL G3227 FF, No. 4
	wheel	Material			Low Metallic, Non-Asbestos
		***	Primar	y or out-board	58 (3.54)
		Size	Secon	dary or in-board	58 (3.54)
Brake lining		Shoe th	ickness	(no lining)	5.5 (0.22)
•		Bonded	or rivet	ed (rivets/seg.)	Bonded
	1	Manufa			Mintex Don or Ferodo
	0.0	Lining o	xode''''	•	DON 8212 FF or FER 3615F FF, No. 38
	Rear	Materia		<u> </u>	Reinforced ass Fibre Bound in Resin, Non-Asbestos
		****	Prima	ry or out-board	43 (2.62)
	l	Size	Secor	ndary or in-boar	
		Shoe th	nckness	(no lining)	2 (0.07)

<sup>\*</sup> Excludes rivet holes, grooves, chamfers, etc. \*\*Includes rivet holes, grooves, chamfers, etc.

<sup>\*\*\*</sup> Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)

<sup>(</sup>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.

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

Model Code/Description And/Or Engine Code/Description 
 Vehicle Line
 CONTOUR

 Model Year
 1995
 Issued
 2/28/94
 Revised (•)

SE MODEL and GL MODEL w/ OPT. 2.5L

### Brakes — Service

Brakes — S	Service			·····			
Description					Four Wheel Hydraulic Actuated System		
Aanufacturer a	nufacturer and Front (disc or drum)		n)	Disc, Standard			
rake type (std	e (std., opt., n.a.) Rear (disc or drum)		3)	Disc, Standard			
alving type (p	roportion, delay	, metering,	other)		Proportion		
ower brake (s	itd., opt., n.a.)				Standard		
Booster type (r	emote, integral,	vac., hyd.,	etc.)		Vacuum		
Vacuum Reservoir (vo		e, pump, et	c.)		Inline		
Vacuum	Reservoir (vo	leservair (volume in. <sup>3</sup> )			311 cm <sup>3</sup> (19)		
	Pump-type (e	elec, gear d	riven, be	lt driven)	N/A		
Traction	Operational s	speed rang	0		All Speeds		
assist	Type (engine	or brake in	iterventi	on)	Brake Intervention		
	Front / rear (	r (std., opt., n.a.)			Optional / Optional		
	Manufacture	f			Bendix		
	Type (electro	onic, mech.	)		Electronic		
Anti-lock	Number sen	sors or circ	uits		4		
device	Number anti-lock hydraulic circuits			its	4		
	Integral or add-on system				Integral		
	Yaw control (yes, no)				No		
	Hydraulic power source (elec., va		elec., vac	.mtr.,pwr.strg.)	Electric		
Effective area cm²(in.²)*			152 (23.6) Front / 92 (14.3) Rear				
Gross lining area cm²(in,²)**(F/R)			200 (31.0) / 111 (17.2)				
Swept area cr	pt area cm²(in.²)***(F/R)			1252 (194.0) / 912 (141.0)			
Outer working diameter			F/R	260 (10.24) / 251 (9.88)			
Rotor	Inner working diameter			F/R /	161 (6.34) / 177 (6.97)		
	Thickness			F/R	24 (0.94) / 20 (0.79)		
	Material & ty	pe (vented	/solid)	F/R	Grey Iron & Vented / Grey Iron & Vented		
Drum	Diameter &	width		F/R	N/A		
	Type and m	aterial		F/R			
Wheel cylinde	er bore						
Master cylind	er Bo	ore/stroke		F/R =	25.4 (1.0) / 32.0 (1.26) Non-ABS, 34.0 (1.34) ABS		
Pedal arc ratio			3.7:1				
Line pressure at 445 N(100 lb.)pedal load [kPa (psi)]		osi)]	9170 (1330)				
Lining dearance F/R				F/R	0.3 (0.012) ± 0.1 (0.004) / 0.23 (0.009) ± 0.07 (0.003)		
	1	Bonded	or rivete	d (rivets/seg.)	Bonded		
		Rivet siz	<b>:e</b>		N/A		
		Manufa	cturer		Textar, Ferodo or Galfer		
	Front	Lining o	ode		TX 4027FF, FER 3432F FF or GL G3227 FF, No. 4		
	wheel	Material			Low Metallic, Non-Asbestos		
		****	Priman	y or out-board	58 (3.54)		
Brake		Size	Second	sary or in-board	58 (3.54)		
lining		Shoe th	ickness	(no lining)	5.5 (0.22)		
		Bonded	or rivete	d (rivets/seg.)	Bonded		
		Manufa			Mintex Don		
	Sec.	Lining o	ode		DON 8106 1FF		
	Rear wheel	Materia	1		Non Metalic Molded Resin, Non-Asbestos		
		****	Primar	y or out-board	25 (1 53)		
		Size	Secon	dary or in-board	25 (1 53		
		Shoe th	nckness	(no lining)	5 (0 19?		

<sup>\*</sup> 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.)

<sup>(</sup>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.

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

Model Code/Description And/Or Engine Code/Description

Vehicle Line	CONTOUR				
Model Year	1995	Issued	2/28/94	Revised (*)	

(GL and LX MODELS) w/Std. 2.0L

(GL and LX MODELS) w/ OPT. 2.5L

Tires And Wheels	(Standard)
------------------	------------

	Size (service description)		185/70R14	195/65R14	
Tires	Type (bias, rac	lial, steel, nylon, etc.)	Steel Beited Radial		
	Inflation pres- sure (cold) for	Front kPa (psi)	234 (34)		
	recommended max. vehicle load	Rear kPa (psi)	234 (34)		
	Rev/mile-at 7	) km/h (45 mph)	864	869	
	Type & material		Disc & Semi Styled Steel		
	Rim (size & flange type)		14" x 5.5"	<u></u>	
	Wheel offset		47.5 (1.87)		<u> </u>
Vheels		Type (bolt or stud & nut)	Stud & Nut		
	Attachment	Circle diameter	108 (4.25)		
		Number & size	Four		
	Tire and wheel		Temporal, T135/80R15		
Spare	Storage positi	on & location	Luggage Compartment		

### Tires and Wheels (Optional)

Tires and Wheels (Optional)		
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)	Disc & Aluminum Alloy	
Rim (size, flange type and offset)	14" x 5.5", Offset 47.5 (1.87)	
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)		<u> </u>
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		<del></del>
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

Diakoo i	u karg	
Type of control		Hand Operated — Manual Release
Location of control Operates on		Between Front Seats
		Rear Service Brakes
	Type (internal or external)	N/A
if separate	Drum diameter	
Irom service brakes	Lining size (length x width x thickness)	

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

Vehide Line	CONTOUR		<del></del> -		 
Model Year	1995	Issued	2/28/94	Revised (*)	 

SE MODE
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T	ires	And	Whee	Is i	(Stand	dard)	
---	------	-----	------	------	--------	-------	--

•	Size (service d	escription)	205/60R15
Tires	Type (bias, rac	tial, steel, nylon, etc.)	Steel Belted Radial
	Inflation pres- sure (cold) for	Front kPa (psi)	214 (31)
	recommended max, vehicle load	Rear kPa (psi)	234 (34)
	Rev/mile-at 7	0 km/h (45 mph)	845
	Type & materi	al	Disc & Aluminum Alloy
	Rim (size & flange type)		15" x 6.0"
	Wheel offset		49.5 (1.95)
Wheels		Type (boit or stud & nut)	Stud & Nut
	Attachment	Circle diameter	108 (4.25)
		Number & size	Four
	Tire and whee	Н	Temporal, T135/80R15
Spare	Storage positi	on & location	Luggage Compartment

Tiree	and	Whasle	(Optional)	(Not	Offered

Tires and Wheels (Optional)	(Not Offered)
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)	
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		Hand Operated — Manual Release	
Location of control		Between Front Seats	
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)	_	

Vehide Line CONTOUR

Issued <u>2/28/94</u> Model Year 1995

Revised (\*)

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

Model Code/Description And/Or Engine Code/Description

(GL and LX MODELS) w/Std. 2.0L

SE AND GL / LX MODELS w/Opt. 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)  Adjustable Type  Manufacturer (std., opt., n.a.)			Tilt Column		
		Manufa	cturer	Ford	
		pt., n.a.)	Standard		
Wheel diameter** Manual		1	N/A		
(W9) SAE J110	00	Power		376 (14.8)	
	Outside	Wall to	waii (i. & r.)	11.7 (38.4)	11.9 (39.0)
Turning	front	Curb to	curb (I. & r.)	11.1 (36.5)	11.4 (37.3)
diameter m (ft.)	Inside	Wall to	wall (i. & r.)	6.2 (20.3)	6.5 (21.2)
-	Lear	Curb to	curb (l. & r.)	6.2 (20.6)	6.5 (21.4)
Scrub Radius*	, <del>-</del>	<del></del>		-9.8 (-0.39) w/2.0L; -8.4 (-0.33) w/2.5L	-12.1 (-0.48)
	T	Type		N/A	
		Manufa	acturer	_	
Manual	Gear	Canne	Gear		
	1	Ratios	Overall	<u> </u>	
	No. wheel turns (stop to stop)		to stop)	<u> </u>	
	Type (coaxial, elec., hyd., etc.)		ıyd., etc.)	Integral Hydraulic	
	Manufacturer			Ford	
		Туре		Rack and Pinion	
Power	Gear	Ratios	Gear	48.9 (1.92) of Rack Travel / Pinion Revoluti	ion
		Haws	Overall	14.52:1; (14.54:1 w/2.5L)	14.54:1
	Pump (drive)		·	Beit	
	No. wheel turns (stop to stop)		to stop)	2.78	2.71
	Туре			N/A	
Linkage Location (front or rear of wheels, other)		r	Rear of Wheels in Subframe Crossmember	н	
	Tie rods (one or two)		,	2 - Integral with Gear	
	Inclination a	at camber	/ (deg.)	13.4°	13.56°
Steering	-	Upper	r	Ball Bearing at Upper Spring Seat	
axis	Searings (type)	Lower	7	Ball Joint	
	(9)00)	Thrust	t	N/A	
Steering spin	dle/knuckie & joi	int type		Ball Joint	

<sup>\*</sup> The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

<sup>&</sup>quot; See Page 23.

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

Model Year 1995 Issued 2/28/94 Revised (\*)

ALL MODELS EXCEPT SE

SE MODEL

Wheel Alignment

Front wheel at curb mass (wt.)	1	Caster (deg.)	+2.3° ± 1.0°	+2.4° ± 1,0°
	Service checking	Camber (deg.)	-0.46° ± 1.25°	-0.55° ± 1.25°
	Checking	Toe-in outside track-mm (in.)	- 2.0 ± 1.0(a)	
		Caster (deg.)	+2.3° ± 1.0°	+2.4° ±.1.0°
	Service reset*	Camber (deg.)	- 0.46° ± 1.25°	-0.55° ± 1.25°
	10301	Toe-in - mm (in.)	- 2.0 ± 1.0(a)	
	Periodic M.V. in- spection	Caster (deg.)	+2.3° ± 1.0°	+2.4° ±.1.0°
		Camber (deg.)	· 0.46° ± 1.25°	-0.55° ± 1.25°
		Toe-in - mm (in.)	- 2.0 ± 1.0(a)	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	- 0.4 ± 1.0°	- 0.53° ± 1.0°
		Toe-in outside track-mm (in.)	1.9 ± 2(a)	
	Service	Camber (deg.)	- 0.4 ± 1.0°	- 0.53° ± 1.0°
	reset*	Toe-in - mm (in.)	1.9 ± 1.2(a)	
	Periodic	Camber (deg.)	- 0.4 ± 1.0°	- 0.53° ± 1.0°
	M.V. in- spection	Toe-in - mm (in.)	1.9 ± 1.2(a)	

<sup>\*</sup> Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

Speed- ometer	Type (analog, digital, std., opt.)		Analog, Standard		
	Trip odometer (std., opt., n.a.)		Standard		
	Standard, option	al, not available	N/A		
	Туре	Secondary, opto-electronic			
1	Speedometer	Digital			
Head-up display	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	_		
	Brightness control	Day / night mode, adjustable	_		
GR maintena	nce indicator				
Charge	Type Warning device (light, audible)		N/A		
ndicator			Light, Standard		
Temperature	Туре		Gauge, Standard		
indicator	Warning device (light, audible)		N/A .		
Oil pressure	Туре		N/A		
indicator	Warning device (light, audible)		Warning Light, Standard		
Fuel	Туре		Gauge, Standard		
indicator	Warning device (light, audible)		N/A		
	Type (standard)		Two-Speed Electric, Variable Timed Interval Wiper		
Wind- shield	Type (optional)		N/A		
wiper	Blade length		530 (26.9) w/ Driver Side; 500 (19.7) w/ Passenger Side		
	Swept area cm²(in.²)		7878 (1221)		
Wind-	Type (standard)		Electric Pump, Standard		
shield washer	Type (optional)		N/A		
	Fluid level indicator (light, audible)		N/A		
Rear window	ndow wiper, wiper/washer (std., opt., n.a.)		wiper, wiper/washer (std., opt., n.a.)		N/A
Horn	Туре		Electric		
<del></del>	Number used		Two, One Hi-Pitch and One Lo-Pitch — Standard		
Other			See Page 15A		

<sup>(</sup>a) NOTE: Toe-in mm apply at wheel rim

 Vehicle Line
 CONTOUR

 Model Year
 1995
 Issued
 2/28/94
 Revised (\*)

# METRIC (U.S. Customary) SUPPLEMENTAL PAGE

Electrical — Instruments and Equipment: (Cont'd)

- · Directional Turn Signal Lights
- Emergency Flashers
- Hi-Beam Indicator Light
- · Child Proof Rear Door Locks
- Steering Wheel with Driver Air Bag and Center Horn Blow
- Instrument Panel Warning Lights Standard:
  - Brake System and/or Parking Brake
  - Air Bag
  - Check Engine
  - Low Oil Level
  - Fasten Seat Belt and Signal
  - Low Coolant, Optional w/ 2.0L, Standard w/ 2.5L
- (ABS) Anti-Lock Brake System, Optional
- Traction Control, Optional

METRIC (U.S. Customary)

Fache	Code/Dec	

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Vehide Line CONTOUR

Model Year 1995 Issued 2/28/94 Revised (•)

ALL MODELS
------------

Electrical	<ul> <li>Supply System</li> </ul>			
Вапегу	Manufacturer	Johnson Controls Inc. or GNB	<u> </u>	
	Model, (std., opt.)	Standard	Optional (Included with 2.5L and Auto, Transmission)	
	Voltage	12		
	Amps at 0°F cold crank	590	650	
	Minutes-reserve capacity	95	120	
	Amps/hrs20 hr, rate	55	68	
	Location	Front L.H. Engine Compartment		
Alternator	Manufacturer	Ford		
	Rating (idle/max. rpm)	130 Amp.	· · · · · · · · · · · · · · · · · · ·	
	Ratio (alt. crank/rev.)	2.35		
	Output at idle (rpm, park)	45 Amp @ 650 (55 Amp @ 700)		
	Optional (type & rating)	N/A		
Regulator	Туре	Electronic Integral with Alternator		

Electrical - Starting System

Motor	Manufacturer		
	Current drain(°F)		
	Power rating kw (hp)		
	Engagement type		
Motor drive	Pinion engages from (front, rear)		

Electrical – Ignition System		System	(w/2.0L Engine)	(w/2.5L Engine)	
Tuna	Electronic (std., opt., n.a.)		Standard		
Туре	Other (sp	ecify)	EDIS		
Coil	Manufact	urer	Ford		
	Model				
CON	Current	Engine stopped – A	•		
	Current	Engine idling - A			
Spark plug	Manufacturer			Autolite	
	Model		·	AWSF-32 (PG, P, PP)	
	Thread (mm)			14	
	Tightening torque N-m (lbft)			9 – 20 (6.6 – 14.8)	
	Gap		1.3 - 1.4 (0.052 - 0.056)	1.35 (0.054)	
	Number per cylinder		One		
Distributor	Manufac	turer	N/A		
DISTIDUTO!	Model		_		

### Electrical - Suppression

Locations & type	Resistor Spark Plugs and Resistance Ignition Wires; Capacitor Mounted On Ignition Coil; Three Grounding Straps — Hood to Body, Engine to Body and Transmission to Body
	l

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

Model Code/Description

ehide Line	CONTOUR	
enice une	CONTOON	

Model Year 1995 Issued 2/28/94 Revised (\*)

ALL MODELS	
ALL MODELS	

Body	
Structure	Unitized All-Steel Welded Body and Energy- Absorbing Front and Rear Structures
Bumper system front - rear	Front – Polypropylene Fascia over Bonded BOP Rear – Polycarbonate Bonded BOP Front/Rear – 5 MPH Bumpers — Ford Requirements
Anti-corrosion treatment	Two Sided Galvanized Steel on Major Panels E-Coat Phosphate Spray

Body - Miscellaneous Information

ype of finish	(lacquer, enamel,	other)	Enamel (Acrylic)	
Material & mass		55	Steel	
	Hinge location	(front, rear)	Rear	
iood	Type (counter	balance, prop)	Prop	
	Release contr	rol (internal, external)	internal	
	Material & ma	45	Steel	
runk d	Type (counter	rbalance, other)	Counterbalance - Gas Cylinders	
-	internal releas	se control (elec., mech., n.a.)	Mechanical	
	Material & ma	158	N/A	
latok- sack lid	Type (counter	rbaiance, other)		
DECK NO	Internal relea	se control (elec., mech., n.a.)	-	
Material & m		358	N/A	
Tailgate	Type (drop, li	ft, door)		
	Internal relea	se control (elec., mech., n.a.)		
Vent window	v control (crank,	Frant	N/A	
friction, pivo		Rear		
Window req	ulator type	Front	Cable	
	, flex drive, etc.)	Rear	Cable	
Seat cushio	na h/na	Front	Bucket	
(e.g., 60/40,	, bucket, bench,	Rear	60/40 Bench	
wire, toarn,	etc.)	3rd seat	N/A	
Seat back to	vne	Front	Bucket	
(e.g., 60/40)	, bucket, bench,	Rear	60/40 Split Fold-Down (Single Fixed with GL)	
wire, foam,	e(C.)	3rd sea	N/A	

### Frame

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

Unitized Construction with Separate Front and Rear

Subframe

Vehide Line CONTOUR

Model Year 1995 Issued 2/28/94 Revised (+)

METRIC (U.S. Customary)

ALL MODELS

Model Code/Description

Restraint Co

Seating Po	Sition		Left			
				Center	Right	
	Type & description (lap & shoulder belt.	First seat	Type 2; 3-Point Lap and Shoulder Belt w/D-Ring Height Adjuster, Standard	N/A	Type 2; 3-Point Lap and Shoulder Belt w/D-Ring Height Adjuster, Standard	
Active	fap belt, etc.)	Second seat	Type 2; 3-Point Lap and Shoulder Belt, Standard	Type 1 & Lap Only – Standard (without Retractors)	Type 2; 3-Point Lap and Shoulder Belt, Standard	
Standard / optional	Third seat	N/A	N/A	N/A		
	Type & description (air bag, motorized -	First seat	Supplemental Air Bag (Inflated with Nitrogen Gas), Standard	N/A	Supplemental Air Bag (Inflated with Nitrogen Gas), Standard	
2-point belt, fixed belt, knee bolster, manual lap belt)	Second seat	N/A	N/A	N/A		
<del></del>	Standard / optional	Third seat	N/A	N/A	N/A	

Glass	SAE Ref. No.			1
Windshield glass exposed surface area cm²(in.²)	S1	9843.5 (1525.7)		
Side glass exposed surface area cm²(in,²) - total 2-sides	S2	10595.8 (1642.4)		
Backlight glass exposed surface area cm²(in.²)	S3	6909 (1070.9)		
Total glass exposed surface area cm²(in.²)	S4	27348.3 (4239)		
Windshield glass (type/thickness)		Solar Tint, 5.1 (0.20)		
Side glass (type/thickness)		Solar Tint, 3.2 (0.13)		
Backlight glass (type/thickness)		Solar Tint, 3.8 (0.15)	·	
Tinted (yes/no, location)		Yes		
Solar control (yes/no, coated/batched, location		Yes, Batched All Glass		

### Headlamps

Description (sealed beam, halogen, replaceable built, etc.)	Aero Halogen, Replaceable Bulb (9006 / 9005)	
Shape	Single, Rectangular	- <del></del>
.o-beam type (2A1, 2B1, 2C1, etc.)	N/A	
Quantity	Two (Combined Two Headlamp System)	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	N/A	
Quantity	Two (Combined Two Headlamp System)	

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

Engine	Code/De	scription

Vehide Line	CONTOUR			-	. <u> </u>
Model Year	1995	Issued	2/28/94	Revised (*)	

2.0L 2.5L

Air conditioning (std., opt., man., auto.)		Optional, Manual Temperature Control		
		A - Land - Land - Land - All and - Land - La		
	Туре	Mechanically Assembled Aluminum	<u> </u>	<del> </del>
ondenser	Eff. face area (sq. mm.)	210535		<del></del>
	Fins per inch	22		·
	Туре	Plate Fin, Vacuum Brazed Aluminum		<del> </del>
vaporator	Etf. face area (sq. mm.)	39600		
	Fins per inch	14		
	Material	Flux Brazed Aluminum		
Heater core	Eff. face area (sq. mm.)	28300		
	Fins per inch	22		. <u> </u>
	Туре	ES10 Reciprocating Piston		. <u> </u>
	Displacement (cc.)	110	154	
Compressor	Manufacturer	Ferco		
	A/C pulley ratio	1,06:1	1.24:1	
	Туре	Domed		
Accumulator	Height (mm.)	200		<u>-</u>
	Diameter (mm.)	92		
	Туре	N/A		
Receiver	Height (mm.)	_		
	Diameter (mm.)	<del>-</del>		
Refrigerant control (CCOT, TVS, etc.)		CCOT		
Heater water valve (yes/no)		No		
Refrigerant (R	- 12, R - 134a, etc.)	R-134a		
Charge level (	lbs oz.)	1 lbs 10 oz.		
Cold engine id	ockout switch (yes/no)	No		
Wide open the	ottle cutout switch (yes/no)	Yes		

Environment Inside Car
 MicronAir® Filtration System (Standard w/LX, SE Models, Optional w/GL Model)
 Filters Out Most Particles Larger Than Three Microns (0.003)

METRIC (U.S. Customary)

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Vehide Line	CONTOUR				
Model Year	1995	Issued	2/28/94	Revised (•)	· · · · · · · · · · · · · · · · · · ·

ALL MODELS

Model Code/Description		ALL MODELS			
Convenien	ce Equipment (standard, optional	I, n.a.)			
Clock (digital, a		Standard, Digital			
Compass / the	mometer	N/A			
Console (floor,	overhead)	Floor, Offset Handbrake, Cupholder, Cassette Stowage			
Defroster, elec		N/A			
Defroster, elec	tric backlight	Optional			
	Diagnostic monitor (integrated, individual)	N/A			
;	Instrument duster (list instruments)	N/A			
	Keyless entry	Optional			
Electronic	Tripminder (avg. spd., fuel)	N/A			
	Voice alert (list items)	N/A			
	Other				
	Redundant Radio Controls	N/A			
Fuel door lock	(remote, key, electric)	Standard, Remote			
Auto head on/off delay, dimming		Optional			
	Cornering	N/A			
	Courtesy (map, reading)	Standard			
	Door lock, ignition	Optional			
	Engine compartment	Standard			
Lamps	Fog	Standard on LX and SE Models			
Campo	Glove compartment	Optional			
	Trunk	Optional			
	Illuminated entry system (list lamps, activation)	Optional			
	Other				
<del></del>	Day / night (auto., man.)	Standard, Manuai			
Manage	L.H. (remote, power, heated)	Standard w/GL, Remote; Standard w/LX & SE (Opt. w/GL), Power, Heated			
Mirrors	R.H. (convex, remote, power, heated)	Standard w/GL, Convex Remote; Standard w/LX & SE (Opt. w/GL), Power, Heated			
	Visor vanity (RH/LH, illuminated)	Standard, RH/LH Illuminated			
Navigation sys	stem (describe)	N/A			
Parking brake	-auto release (warning light)	N/A			
		<u> </u>			

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

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Vehicle Line	CONTOUR				
Model Year	1995	issued	2/28/94	Revised (•)	

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	_		v	┙	_	_

Convenier	ice Equip	ment (standard, optional, n.a.	)		
	Deck lid (r	release, pull down)	Standard, Remote Release		
	Door locks describe s	s (manual, automatic, system)	Optional, Power Door Locks		
		2 - 4 - 6 way, etc.	Optional, 6-Way Driver Only; Opt. w/GL & LX, 10-Way Driver with Recliner & Lumbar		
		Reclining (R.H., L.H.)	Optional w/GL and LX; i.H		
Power	Seats	Memory (R.H., L.H., preset recline)	N/A		
equipment		Support (lumbar, hip, thigh, etc.)	Optional w/GL and LX; Lumbar LH		
		Heated (R.H., L.H., other)	N/A		
	Side wind	lows	Optional		
	Vent wind	lows	N/A		
	Rear wind	iows	N/A		
Radio systems	Antenna (	location, whip, w/shield, power)	Standard, Whip, Rear Quarter		
	Standard		Electronic AM/FM Stereo		
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	- Electronic AM/FM Stereo with Cassette - Electronic AM/FM Stereo with Cassette and Premium Sound - Electronic AM/FM Stereo with Compact Disc Player and Premium Sound		
	Speaker	(number, location)	Standard, Four, One in Each Door		
Roof: open ai	r or fixed (flip	-up, sliding, "T")	Optional, Power Sliding Sun Roof		
Speed control device			Optional		
Speed warning device (light, buzzer, etc.)			N/A		
Tachometer (rpm)			Standard with LX and SE (Included with optional 2.5L)		
Telephone sy	stem (describ	De)	N/A		
Theft deterrer	nt system		N/A		
MicronAir® F	iltration Syste	m	Standard with LX and SE; Optional with GL		

### **Trailer Towing**

Towing capable	Yes/No	Yes	
Engine/transmission/axte	Std/Opt	Standard	
Tow class (i, ii, iii)*	Std/Opt	Class I	
Max. gross trailer wgt. (lbs.)	Std/Opt	1000 Lbs.	
Max. trailer tongue load (lbs.)	Std/Opt	100 Lbs.	
Towing package available	Yes/No	No .	

Class II - 3,500 lbs.

Class III - 5,000 lbs.

Class I - 2,000 lbs.

Vehide Line CONTOUR Revised (•) Model Year 1995 Issued 2/28/94

**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

lodel Code/Description	SAE Ref.	ALL MODELS			
/idth	No.				
ead (front)	W101	1503 (59.2)			
read (rear)	W102	1487 (58.5)			
ehicle width	W103	1755 (69.1)			
ody width at Sg RP (front)	W117	1751 (68.9)			
ehicle width (front doors open)	W120	3649 (143.7)			
ehicle width (rear doors open)	W121	3487 (137.3)			
umble-home (degrees)	W122	23.3°			
tutside mirror width	W410	1931 (76.0)			
.ength					
Vheelbase	L101	2704 (106.5)			
ehicle length	L103	4672 (183.9)			
Overhang (front)	L104	929 (36.5)			
verhang (rear)	L105	1039 (40.9)			
Ipper structure length	L123	2845 (112.0)			
lear wheel C/L "X" coordinate	L127	4451 (175.0)			
leight*	PD1,2,3	2/3			
runk/cargo load	101,2,3	20			
/ehicle height	H101	1385 (54.5)			
Cowl point to ground	H114	899 (35.4)			
Deck point to ground	H138	992 (39.0)			
Rocker panel-front to ground	H112	183 (7.2)			
Rocker panel-rear to ground	H111	182 (7.17)			
Windshield slope angle (degrees)	H122	62°			
Backlight slope angle (degrees)	H121	65.6°			
Security is an home militar (coditions)	111121				
Ground Clearance*		·			
Front bumper to ground	H102	207.0 (8.15)			
Rear bumper to ground	H104	248.0 (9.76)			
Bumper to ground front at curb mass (wt.)	H103	229.0 (9.02)			
Bumper to ground rear at curb mass (wt.)	H105	315.0 (12.4)			
Angle of approach (degrees)	H106	16.3°			
Angle of departure (degrees)	H107	16°			
Brown on branch ( - c & c c c )					
Ramp breakover angle (degrees)	H147				
<del></del>	H147				
Ramp breakover angle (degrees)	+				

<sup>\*</sup> 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	Spec	ifica	tions
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Vehicle Line CONTOUR Revised (\*) \_\_\_\_ Issued <u>2/28/94</u> Model Year \_\_1995\_

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

**Model Code/Description** 

**ALL MODELS** 

Front Compartment	SAE Ref. No.	
SgRP front, "X" coordinate	L31	300 (11.8)
Effective head room	H61	990 (39.0)
Max. eff. leg room (accelerator)	L34	1076 (42.4)
SgRP to heel point	H30	249 (9.8)
SgRP to heel point	L53	874 (34.4)
Back angle (degrees)	L40	24°
Hip angle (degrees)	L42	96.8°
Knee angle (degrees)	L44	122.8°
Foot angle (degrees)	L46	87°
Design H-point front travel	L17	210 (8.3)
Normal driving & riding seat track trvt.	L23	195 (7.7)
Shoulder room	W3	1370 (53.9)
Hip room	W5	1287 (50.7)
Upper body opening to ground	H50	1247 (49.1)
Steering wheel maximum diameter*	W9	376 (14.8)
Steering wheel angle (degrees)	H18	22.8°
Accel, heel pt. to steer, whi, cntr	L11	483 (19.0)
Accel, heel pt. to steer, whi, cntr	H17	624 (24.6)
Undepressed floor covering thickness	H67	31 (1.2)

### **Rear Compartment**

SgRP point couple distance	L50	770 (30.3)		 
Effective head room	H63	932 (36.7)		
Min. effective leg room	L51	872 (34.3)	 · · · · · · · · · · · · · · · · · · ·	
SgRP (second to heel)	H31	292 (11.5)		
Knee clearance	L48	6 (0.24)		 
Shoulder room	W4	1355 (53.3)		 
Hip room	W6	1156 (45.5)	 	
Upper body opening to ground	H51	1257 (49.5)		
Back angle (degrees)	L41	28°		
Hip angle (degrees)	L43	87.3°	 	 <del></del> -
Knee angle (degrees)	L45	84.9°	 	
Foot angle (degrees)	L47	120.6°		
Depressed floor covering thickness	H73	23 (0.9)		

### Luggage Compartment

zeggege eempertment			
Usable luggage capacity L (cu. ft.)	V1	394 (13.9)	
Liftover height	H195	655 (25.8)	

### Interior Volumes (EPA Classification)

interior voluntes (Er A Olassification)		
Vehicle class	Compact	
Interior volume index including trunk/cargo (cu. ft.)**	103.3	
Trunk/cargo index (cu. ft.)	13.9	

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<sup>\*</sup> See page 14.
\*\* See definition page 33.
All linear dimensions are in millimeters (inches) unless otherwise noted.

<b>MVMA Specifications</b>		Vehicle Line	CONTOUR			
•	JJ	Model Year	1995	Issued	2/28/94	Revised (•)
METRIC (U.S. Customary) Vehicle Dimensions See	eets for definitions					
	10, 0,					
Model Code/Description						
Station Wagon/MPV*	SAE					<u> </u>
- Third Seat	Ref. No.	(NOT APPLICABLE)				
Seat facing direction	SD1 i	<del></del>				
SgRP couple distance	L85					
Shoulder room	W85					
Hip room	W86					
Effective leg room	L86	<u> </u>				
Effective head room	H86					
SgRP to heel point	H87					
Knee clearance	L87					
Back angle (degrees)	L.88					
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				<u></u>	
Min. rear opening width above belt	W205					<u> </u>
Cargo height	H201			<del></del>		
Rear opening height	H202			<u> </u>		<u> </u>
Tailgate to ground height	H250					
Front seatback to load floor height	H197					
Cargo volume index m³(ft.3)	V2					
Hidden cargo volume index m <sup>3</sup> (ft.³)	V4					
Cargo volume index-rear of 2-seat	V10					<u> </u>
Cargo volume index*	V6					<b>5</b> ·
Cargo width at floor*	W500					
Maximum cargo height*	H505	<u>l</u>		_		· · · · · · · · · · · · · · · · · · ·
Hatchback - Cargo Space		(NOT APPLICABLE)			. <u> </u>	
Cargo length at front seatback height	L208	<u> </u>				
Cargo length at floor (front)	L209	<del></del>				
Cargo length at second seatback height						
Cargo length at floor (second)	L211	<del> </del>				
Front seatback to load floor height	H197					
Second seatback to load floor height	H198	ļ	<del></del> -			
Cargo volume index m³(ft.³)	V3	-	_ <del></del>			
Hidden caroo volume index m3/tt 3\	V.A	1				

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

V11

Cargo volume index-rear of 2-seat

MVMA Specifications		Vehide Line	CONTOUR					
		S. Customary)	Model Year	1995	Issued	2/28/94	Revised (•)	
Model Descri	Code/			<u> </u>				
Vehic	le Fiduc	Lial Marks						
Fiducial		i			<del>.</del>	·:	· · · · · · · · · · · · · · · · · · ·	
Number	<u> </u>		Defin	e Coordina	ate Location			
Front(1)								
- 4-,								
Front(2)								
Rear(1)								
Rear(2)								
Note: Pr 3 of 4 Fiducial Location	Mark							
	W21**							
Front	L54**							
	H161**						•	<del></del>
	H163**					<del></del>		
						<u>-</u>	-	-
	W22**					<del></del>		<del></del>
	L55**					<u> </u>		
Rear	H82**							
	H162**							
	H164**					<del></del>		

<sup>\*</sup>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)

Vehide Line	CONTOUR				
Model Year	1995	Issued	2/28/94	Revised (•)	

		Veh	icle Mass (	weight)		% PASS MASS DISTRIBU			
	CURB MASS, kg. (lb.)			SHIPPING	_	Pass in Front		Pass in Rear	
Code Model	Front	Rear	Total	MASS kg(lb)	Code Code	Front	Rear	Front	Rear
2.0L Engine — Code 993/			<del></del>	<u> </u>				<u> </u>	<u> </u>
5-Spd. Man. Trans. — Code 445				<u> </u>		<del> </del>			<del>                                     </del>
993/445									
GL Model	785	471	1256	1207	R				<u> </u>
	(1731)	(1038)	(2769)	(2660)			ļ		<del>                                     </del>
<del></del>									
LX Model	791	483	1274	1225	R			<u> </u>	<u> </u>
	(1743)	(1065)	(2808)	(2699)		<u> </u>		-	
	_			<u> </u>					
2.0L Engine — Code 993/									<u> </u>
4-Spd. Auto. Trans. — Code 44T				<u> </u>			ļ	<u> </u>	1
993/44T					_				
GL Model	855	473	1328	1278	S				
	(1885)	(1043)	(2928)	(2818)					
				<u> </u>					
LX Model	861	485	1346	1296	S	<u> </u>			<u> </u>
	(1898)	(1069)	(2967)	(2857)		<del> </del>	-		<del> </del>
			-						
2.5L Engine — Code 99L/						<u> </u>	<u> </u>		<u> </u>
5-Spd. Man. Trans. — Code 445						ļ	-	<del> </del>	<del> </del>
99L/445									
SE Model	886	472	1358	1309	Т		<u> </u>		
	(1953)	(1041)	(2994)	(2885)	<del> </del>		ļ	<u> </u>	-
				<del>                                     </del>	-	1			
2.5L Engine — Code 99L/				<del></del>		1	<del> </del>	-}-	┼
Spd. Auto. Trans. — Code 44T				+	<del> </del>	-	+	-	1
99L/44T							1		
SE Model	889	490	1379	1329		4		<del> </del>	<u> </u>
	(1960)	(1080)	(3040)	(2930)	<u> </u>	<del> </del>	<del> </del>	-	<u> </u>
	<del>-  </del>	<del> </del>							1
		T		_					
									<u> </u>

<sup>\*</sup> Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

### **ETWC LEGEND**

Α	= 1000	ı	<b>=</b> 2000	Ω	= 3000	Y	= 4000
В	= 1125	Ĵ	- 2125	Ř	= 3125	ż	<b>= 4250</b>
С	= 1250	ĸ	= 2250	S	<b>- 3250</b>	AA	<b>= 4500</b>
D	■ 1375	L	= 2375	T	= 3375	88	= 4750
Ε	- 1500	M	= 2500	U	= 3500	CC	<b>= 5000</b>
F	<b>-</b> 1625	N	<b>~</b> 2625	٧	= 3625	DD	= 5250
G	<b>=</b> 1750	0	= 2750	W	= 3750	EE	<b>≈</b> 5500
н	<b>- 1875</b>	Р	<b>= 2875</b>	X	= 3875	FF	= 5750

\*\*\*Shipping Mass (weight) = Curb Weight Less:

49 (108.8) w/ manual transmission

50 (109.7) w/ automatic transmission

<sup>\*\*</sup> ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications. Refer to ETWC code legend below for test weight class.

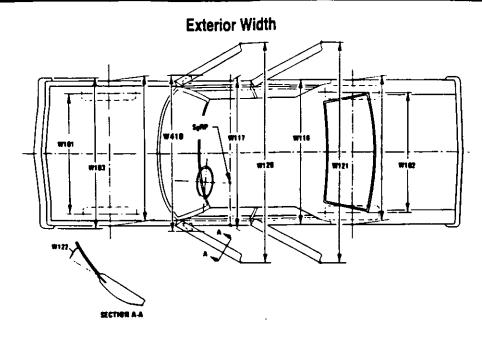
# MVMA Specifications METRIC (U.S. Customary)

Vehide Line	CONTOUR				
Model Year	1995	Issued	2/28/94	Revised (*)	

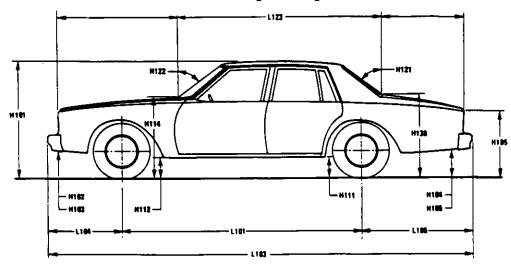
#### Optional Equipment Differential Mass (weight)\* MASS, kg. (lb.) Remarks Total Restrictions, Requirements Rear Code Equipment Front Miscellaneous Options: 0 16.3 16.3 Air Conditioning - Manual 572 (35.9) (0) (35.9)Temperature Control 2.3 525 Speed Control 1.3 1.0 (2.2)(5.1)(2.9)0.7 0.3 902 Power Door Locks 0.4 (0.7)(1.5)(0.8)8.5 16.8 8.3 13B Sunroof, Power (18.7) (37)(18.3)0.6 0.2 AM/FM Electronic Stereo 0.4 (0.4)(1.3)(0.9)w/ Cassette 4.4 4.7 -0.3 913 AM/FM Electronic Stereo (9.8)(-0.7) (10.5)w/ Cassette, and Premium Sound Does Not Include a Cassette Player 0.5 2.1 917 AM/FM Electronic Stereo 1.6 (1.06)(4.61)(3.55)w/ Compact Disc Player and Premium Sound 9 Anti-Lock Brakes (ABS) 6 3 552 (13.2)(6.6) (19.8)Requires Anti-Lock Brakes (ABS) 3 1.7 1.3 553 Traction Assist System (2.9) (6.6)(3.7)

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

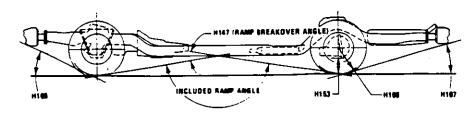
### Exterior Vehicle And Body Dimensions - Key Sheet



# **Exterior Length & Height**



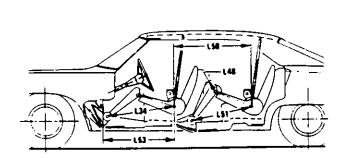
### **Exterior Ground Clearance**

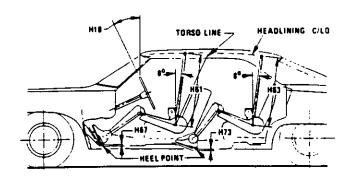


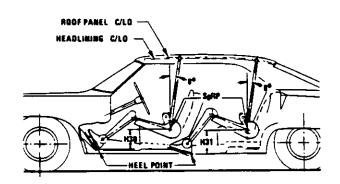
# **MVMA Specifications Form**

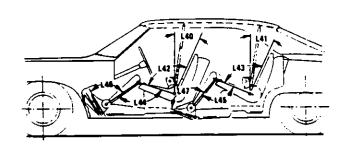
**METRIC (U.S. Customary)** 

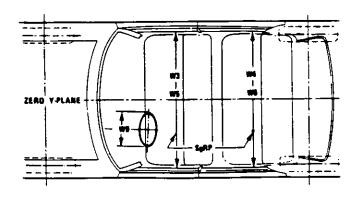
### Interior Vehicle And Body Dimensions - Key Sheet

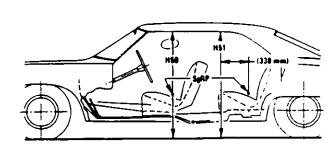






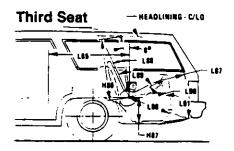






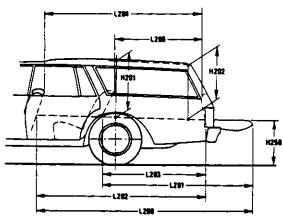
**METRIC (U.S. Customary)** 

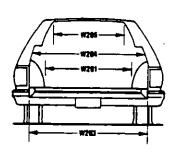
### Interior Vehicle And Body Dimensions - Key Sheet



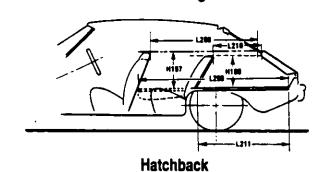


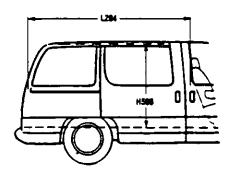
**Čargo Špace** 





**Station Wagon** 







Multipurpose Vehicle

METRIC (U.S. Customary)

#### Exterior Vehicle And Body Dimensions — Key Sheet Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's

design reference point which -

(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle:
(b) Has coordinates established relative to the design venicle 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

TREAD - FRONT. The dimension measured between the tire

centerlines at the ground.
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.

VEHICLE WIDTH. The maximum dimension measured W103 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.

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

VEHICLE WIDTH - FRONT DOORS OPEN. The dimension W120 measured between the widest point on the front doors in

maximum hold-open position.

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. TUMBLE-HOME. STRAIGHT SIDE GLASS. The angle W122 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.

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

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.

VEHICLE LENGTH. The maximum dimension measured L103 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.

OVERHAND - FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost L104 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.

UPPER STRUCTURE LENGTH. The dimension measured L123 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**

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

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.

ROCKER PANEL - FRONT TO GROUND. The dimension

H112 measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
COWL POINT TO GROUND. Measured at zero "Y" plane.

H114

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

WINDSHIELD SLOPE ANGLE. The angle between the H122 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.

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

STATICLOAD - TIRE RADIUS - REAR. Specified by the manufacturer in accordance with composite TIRE SECTION H109 STANDARD.

### **Ground Clearance Dimensions**

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.

FRONT BUMPER TO GROUND - CURB MASS (WT.). Meas-H103

ured in the same manner as H102.

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

REAR BUMPER TO GROUND - CURB MASS (WT.). Meas-H105

ured in the same manner as H104.

ANGLE OF APPROACH. The angle measured between a H106 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.

ANGLE OF DEPARTURE. The angle measured between a H107 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.

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

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

ground.

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

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

#### Interior Vehicle And Body Dimensions - Key Sheet **Dimensions Definitions**

#### Glass Areas

- Windshield area.
- S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
- **S3**
- **\$4** Total area, Total of all areas (S1 + S2 + S3).

### Fiducial Mark Dimensions

#### Fiducial Mark - Number 1

- **L54** 'X" coordinate.
- "Y" coordinate. W21
- "Z" coordinate. H81
- Height "Z" coordinate to ground at curb weight. Height "Z" coordinate to ground. H161
- H163 Flduciai Mark - Number 2
- L55
- "X" coordinate. "Y" coordinate. W22
- W82 "Z" coordinate.
- Height "Z" coordinate to ground at curb weight. Height "Z" coordinate to ground. H162
- H164

#### **Front Compartment Dimensions**

- ACCELERATOR HEEL POINT TO STEERING WHEEL L11 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 DESIGNH-POINT - FRONTTRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE
- 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). SgRP FRONT. "X" COORDINATED. L31
- L34 MAXIMUMEFFECTIVELEGROOM - 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.
- HIP ANGLE -- FRONT. The angle measured between torso line and thigh centerline.
- KNEE ANGLE FRONT. The angle measured between thigh L44 centerline and lower leg centerline measured on the right
- leg.
  FOOT ANGLE FRONT. The angle measured between the L46 lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref
- SgRP FRONTTO HEEL. The dimension measured horizon-L53
- tally from the SgRP front to the accelerator heel point. SHOULDER ROOM FRONT, The minimum dimension meas-W3 ured 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 SqRP - front, excluding the door assist strap and attaching parts.

- HIP ROOM-FRONT. The minimum dimension measured W5 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.
- STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. W9 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.

  SgRP FRONTTOHEEL. The dimension measured vertically H30
- from the SgRP front to the accelerator heel point.

  UPPER BODY OPENING TO GROUND FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP front "X" plane. H50
- EFFECTIVE HEAD ROOM FRONT. The dimension meas-H61 ured along a line 8 deg. rear of vertical from the SgRP – front to the headlining plus 102 mm (4.0in.).
  FLOOR COVERING THICKNESS – UNDEPRESSED –
- **H67** 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

- BACK ANGLE SECOND. The angle measured between a vertical line through the SgRP – second and the torso line. HIP ANGLE – SECOND. The angle measured between torso
- L43 line and thigh centerline.

  KNEE ANGLE-SECOND. The angle measured between
- L45
- thigh centerline and lower leg centerline. FOOTANGLE SECOND. The angle measured between the L47 lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
- KNEE CLEARANCE SECOND. The minimum dimension L48 measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.)
- SgRPCOUPLEDISTANCE SECOND The dimension meas-**L50** ured horizontally from the driver SgRP-front to the SgRP - second.
- MINIMUM EFFECTIVE LEG ROOM SECOND The di-L51 mension measured along a line from the areas prvot center to the SgRP - second plus 254 mm (10 0 in )
- SHOULDER ROOM SECOND. The minimum amension **W4** 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 n above the SgRP - second, excluding the door assist straps and attaching
- W6 HIP ROOM - SECOND. Measured in the same manner as
- SgRP SECOND TO HEEL. The dimension measured verti-H31 cally from the SgRP - second to the two demensional device heel point on the depressed floor covering
- UPPER BODY OPENING TO GROUND SECOND The **H51** dimension measured vertically from the trained body opening to the ground on the "X" plane 330 mm '30 in.) forward of the SgRP – second.

  EFFECTIVE HEAD ROOM – SECOND The dimension measurements.
- H63 ured along a line 8 deg. rear of vertical from the SQRP to the
- headlining, plus 102 mm (4.0 in.).
  FLOOR COVERING DEPRESSED SECOND \*>edimension H73 measured vertically from the heel point to the underbody sheet metal

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

# 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 EFFECTIVELEG ROOM THIRD. The dimension measured along a line from the ankle pivot center to the SgRP third plus 254 mm (10.0 in.).
- L87 KNEECLEARANCE 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.
  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 CARGOLENGTH 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 CARGOWIDTH 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 di mension 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.

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

# Interior Vehicle And Body Dimensions — Key Sheet Dimensions Definitions

V2 STATION WAGON

Measured in inches:

Measured in mm:

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

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:

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:

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

Measured in mm:

$$\frac{1204 \times W500 \times H505}{10^9} = m^3$$
 (cubic meter)

V8 HIDDENLUGGAGE 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:

Measured in mm:

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

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

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

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.

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:

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

Measured in mm:

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:

Measured in mm:

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

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