MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer	Car Line	
FORD MOTOR COMPANY	LYNX	
Mailing Address		
P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued SEPTEMBER, 1984	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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

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

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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Car Models

Model Description FWD/RWD	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load–Kilograms (Pounds)
% LYNX BASE				
3-Door Hatchback		D61	2/2	22.68 (50)
% LYNX L				
3-Door Hatchback		D61	2/2	22.68 (50)
5-Door Hatchback		D58	2/2	22.68 (50)
4-Door Wagon		D74	2/2	68.04 (150)
% LYNX GS				
3-Door Hatchback			2/2	22.68 (50)
5-Door Hatchback		/CVB	2/2	22.68 (50)
4-Door Wagon		D74/CVB	2/2	68.04 (150)

% Front Wheel Drive (FWD)

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Power Teams (Indicate whether standard or optional)
SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25° C and 29.61 in. Hg/100 kPa atmospheric pressure.

SERIES AVAILABILITY	ENGINE						TRANSMISSION TRANSAXLE	(TRANSFER RATIO) AXLE RATIO (std. first)
	Displ. Liters (in^3)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM		Exhaust S/D		
				kW (bhp)	Torque N - m (lb. ft.)			
				50 STATES/CANADA				
All	1.6 (97.6)	2V	9.0	52 (70) 4600	119 (88) 2600	S	MTX I-WR	3.59
				50 STATES/ALTITUDE/CANADA				
All	1.6 HO (97.6)	2V	9.0	60 (80) 5400	119 (88) 2600	S	MTX III	3.73/2.73 *
							ATX	3.31
All	2.0 (121)	Diesel	22.7	39 (52) 4000	111 (82) 2400	S	MTX III	3.52/2.61 *
				49 STATES/CANADA #				
HATCHBACK	1.6 FS (97.6)	2V	9.0	52 (70) 4600	119 (88) 2600	S	MTX I	3.04

MTX I Manual 4-Speed
MTX III Manual 5-Speed
ATX Automatic 3-Speed
FS Fuel Saver
WR Wide Ratio
Excludes California
* Refer to Footnote (a), Page 9

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Engine Description/Carb. Engine Code	1.6L/2V (97.6 CID)	1.6L/HO 2V

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		Inline, Front, Transverse, (SOHC) Single Overhead Camshaft, (CVH)Compound Valve Hemispherical Combustion Chambers	
No. of cylinders		Four	
Bore		80.0 (3.15)	
Stroke		79.5 (3.13)	
Bore spacing (c / l to c / l)		91.8 (3.61)	
Cylinder block material		Cast Iron	
Cylinder block deck height		208.6 (8.21)	
Deck clearance (minimum) (above or below block)		3.5 (0.14) Above	
Cylinder head material		Aluminum	
Cylinder head volume (cm^3)		58.5	
Head gasket thickness (compressed)		1.3 (0.05)	
Minimum combustion chamber total volume (cm^3)		52.1 (Nominal)	
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4	
	R. Bank	N.A.	
Firing order		1, 3, 4, 2	
Recommended fuel (leaded, unleaded, diesel)		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		87 Minimum Octane	
Total dressed engine mass (wt) dry**		128.9 (284.3)	129.5 (285.6)

Engine – Pistons

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

Engine – Camshaft

Location		In Cylinder Head
Material & mass kg (weight, lbs.)		Hardenable Cast Iron
Drive type	Chain / belt	Belt
	Width / pitch	25.4 (1.0)/9.5 (0.4)

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

** Dressed engine mass (weight) includes the following: All Engine Mounted Components Including Front End Dress. Excludes Starter and Alternator.

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Engine Description/Carb. Engine Code	2.0L/DIESEL (121 CID)

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		Inline, Front, Transverse, Pre-Chamber Diesel
No. of cylinders		Four
Bore		86 (3.39)
Stroke		86 (3.39)
Bore spacing (c / l to c / l)		96-98-96 (3.78-3.86-3.78)
Cylinder block material		Cast Iron
Cylinder block deck height		241.5 (9.51) From Centerline of Crank to Top of Block
Deck clearance (minimum) (above or below block)		0.75 (.030) Above Block
Cylinder head material		Aluminum
Cylinder head volume (cm^3)		
Head gasket thickness (compressed)		1.5 (.059)
Minimum combustion chamber total volume (cm^3)		23.02
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4
	R. Bank	N.A.
Firing order		1, 3, 4, 2
Recommended fuel (leaded, unleaded, diesel)		Diesel
Fuel antiknock index $\frac{(R+M)}{2}$		Cetane, 40 or Greater
Total dressed engine mass (wt) dry**		152.5 (336.3)

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum 0.59 (.027)

Engine – Camshaft

Location		Overhead
Material & mass kg (weight, lbs.)		Cast Iron 2.85 (6.27)
Drive type	Chain / belt	Belt
	Width / pitch	19.1 (0.75)/9.53 (.375)

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

** Dressed engine mass (weight) includes the following: All Engine Mounted Components Including Front End Dress; Excludes Starter and Alternator

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Engine Description/Carb. Engine Code	1.6L/2V (97.6 CID)	1.6L HO/2V

Engine – Valve System

Hydraulic lifters (std., opt., NA)		Standard
Valves	Number intake / exhaust	4/4
	Head O.D. intake / exhaust	42/37

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]	Forged Steel

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]	Nodular Cast Iron
End thrust taken by bearing (no.)	#3
Number of main bearings	5

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	240-450 (35-65) @ 2000 Warm Oil
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 (3.50)

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

Turbo charger - manufacturer	
Super charger - manufacturer	
Charge cooler	

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Engine Description:Carb. Engine Code	2.0L/DIESEL (121 CID)

Engine – Valve System

Hydraulic lifters (std., opt., NA)		N.A.
Valves	Number intake / exhaust	4/4
	Head O.D. intake / exhaust	

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]	Carbon Steel 0.88 (0.19)

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]	Alloy Steel 15.9 (3.5)
End thrust taken by bearing (no.)	#3
Number of main bearings	Five

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	Greater Than 0.7 Kg/CM^2 @ 700 R.P.M. Oil Temp. 80°C
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part., other)	Full Flow Main, 10% Bypass
Capacity of crcase, less filter-refill-L (qt.)	5.0 (5.28)

Engine – Diesel Information

Diesel engine manufacturer		Mazda
Glow plug, current drain at 0°F		16.5 Amps./900°C Per Plug
Injector nozzle	Type	Throttle Pintle
	Opening pressure [kPa (psi)]	13,200 (1914)
Pre-chamber design		Slant Bottom, 45° Throat Angle
Fuel injection pump	Manufacturer	Nippondenso
	Type	Distributor
Fuel injection pump drive (belt, chain, gear)		Belt
Supplementary vacuum source (type)		Electric Pump
Fuel heater (yes/no)		Yes, Fuel Filter Conditioner
Water separator, description (std., opt.)		Standard, Fuel Filter Conditioner
Turbo manufacturer		N.A.
Oil cooler-type (oil to engine coolant; oil to ambient air)		Engine Mounted, Oil to Water
Oil filter		Two; One (Full-Flow) Mtd on Eng & One (By-Pass) Mtd on Fr Rail

Engine – Intake System

Turbo charger - manufacturer	N.A.
Super charger - manufacturer	N.A.
Charge cooler	N.A.

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Engine Description/Carb. Engine Code	1.6L/2V (97.6 CID)	1.6L HO/2V

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Radiator with Additional 1/2L Fill In Bottle
Radiator cap relief valve pressure [kPa (psi)]		110.32 (16.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	88.96 (192.0)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	19L (5 GPM)
	Number of pumps	One
	Drive (V-belt, other)	Timing Belt
	Bearing type	Ball-Roller
By-pass recirculation [type (inter,. ext.)]		External
Cooling system capacity	With heater–L(qt.)	6.3 (6.7)
	With air cond.–L(qt.)	7.7 (8.1)
	Opt. equipment [specify–L(qt.)]	—
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Radiator core	Describe (type, material, no. of rows)	Crossflow-Copper/Brass (with A/C), Aluminum (with Heater) Tube and Fin Two Row with Plastic End Tanks
	Std., A/C, HD	Std. A/C
	Width	407 (16.02) 591 (23.27)
	Height	321 (12.64) 321 (12.64)
	Thickness	34 (1.34) 29.0 (1.14)
	Fins per inch	13.5 (M/T), 15.5 (A/T) 10.5 (M/T), 13 (A/T)
Fan	Std., elec., opt.	Electric
	Number of blades & type (flex, solid, material)	Four, Solid, Plastic
	Diameter & projected width	304.8 (12.0)
	Ratio (fan to crankshaft rev.)	N.A.
	Fan cutout type	N.A.
	Drive [type (direct, remote)]	N.A.
	RPM at idle (elec.)	1850
	Motor rating (wattage) (elec.)	80
	Motor switch (type & location) (elec.)	Thermostatic - Water Outlet Connection
	Switch point (temp., pressure) (elec.)	Temp. 105 (221°)
	Fan shroud (material)	Metal

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Engine Code

2.0L/Diesel
(121 CID)

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Radiator Initially, Bottle in Service
Radiator cap relief valve pressure [kPa (psi)]		110.3 (16)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	87.8° (190°F)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	32 GPH @ 4000 Pump RPM
	Number of pumps	One
	Drive (V-belt, other)	Cog Belt (Timing Belt)
	Bearing type	Ball Bearing (Integral)
By-pass recirculation [type (inter,. ext.)]		External (Heater & Oil Cooler)
Cooling system capacity	With heater–L(qt.)	8.7 (9.2)
	With air cond.–L(qt.)	8.7 (9.2)
	Opt. equipment [specify–L(qt.)]	N.A.
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		No (Siamese)
Radiator core	Describe (type, material, no. of rows)	Cross Flow; Vacuum Brazed Aluminum, Two Row
	Std., A/C, HD	Standard A/C
	Width	593.3 (23.36)
	Height	332.7 (13.10)
	Thickness	44.45 (1.75)
	Fins per inch	Nine Ten
Fan	Std., elec., opt.	Electric
	Number of blades & type (flex, solid, material)	4 & Solid Steel
	Diameter & projected width	312.4 x 35.6 (72.3 x 1.4) 304.8 x 35.6 (12.0 x 1.4)
	Ratio (fan to crankshaft rev.)	N.A.
	Fan cutout type	N.A.
	Drive [type (direct, remote)]	Direct
	RPM at idle (elec.)	1850 RPM 2250 RPM
	Motor rating (wattage) (elec.)	80 Watt 155 Watt
	Motor switch (type & location) (elec.)	Elec. Sensor & Thermo. Hse. On/Off A/C Function
	Switch point (temp., pressure) (elec.)	99.0°C (210°F)
	Fan shroud (material)	Plastic

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Engine Description/Carb. Engine Code	1.6L/2V (97.6 CID)	1.6L HO/2V

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

Induction type: carburetor, fuel injection system, etc.			Carburetor
Carburetor	Mfgr.		Holley
	Choke (type)		Automatic-Electric
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800 with Electric Fan "On"
			--
		Automatic	Drive: 750 RPM
			--
Idle A/F mix.			9.44 ATX (304C), 8.86 ATX (303D)
Fuel injection	Point of injection (no.)		N.A.
	Constant, pulse, flow		N.A.
	Control (electronic, mech.)		N.A.
	System pressure [kPa (psi)]		N.A.
Intake manifold heat control (exhaust or water thermostatic or fixed)			N.A.
Air cleaner type	Standard		Pleated Paper
	Optional		N.A.
Fuel pump	Type (elec. or mech.)		Mechanical
	Location (eng., tank)		Cylinder Heat
	Pressure range [kPa (psi)]		27.6-41.4 (4.0-6.0)

Fuel Tank

Capacity [refill L (gallons)]		49.2 (13 Gal.) Standard (a)
Location (describe)		In Front of Rear Suspension
Attachment		Two Straps with Pin and Loop at Rear, Bolt at Front
Material		Steel (Terne Plate)
Filler pipe	Location & material	Right Rear Quarter Panel; Steel
	Connection to tank	Rubber Hoses
Fuel line (material)		Steel
Fuel hose (material)		Reinforced Rubber (Non-EFI)
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt., n.a.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
	Separate fill	N.A.

(a) 37.9 (10.0 gallon) Fuel Tank Available on Certain Select Models

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Engine Description/Carb.
Engine Code

2.0L/DIESEL
(121 CID)

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

Induction type: carburetor, fuel injection system, etc.			Fuel Injection System
Carburetor	Mfgr.		N.A.
	Choke (type)		N.A.
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	N.A.
		Automatic	N.A.
Idle A/F mix.			N.A.
Fuel injection	Point of injection (no.)		4-Point-Pre Chamber
	Constant, pulse, flow		Mechanical
	Control (electronic, mech.)		Mechanical
	System pressure [kPa (psi)]		13,200 (1914)
Intake manifold heat control (exhaust or water thermostatic or fixed)			N.A.
Air cleaner type	Standard		Paper Filter, 1.5 Sq. Meters, 10" H^2O System Δ P
	Optional		Above, With Hot Water System to Prevent Snow Packing
Fuel pump	Type (elec. or mech.)		Mechanical-Distributor (Integrated in F.I.P.)
	Location (eng., tank)		Engine - Belt Driven
	Pressure range [kPa (psi)]		780 (113.1)

Fuel Tank

Capacity [refill L (gallons)]		49.2 (13 Gal) Standard
Location (describe)		In Front of Rear Axle
Attachment		Two Straps with Pin and Loop at Rear, Bolt at Front
Material		Steel Terne Plate
Filler pipe	Location & material	Right Rear Quarter Panel; Steel
	Connection to tank	Rubber Hoses
Fuel line (material)		Steel
Fuel hose (material)		Reinforced Rubber
Return line (material)		Steel
Vapor line (material)		N.A.
Extended range tank	Opt., n.a.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt., n.a.	N.A.
	Capacity [L (gallons)]	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
	Separate fill	N.A.

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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)			Air Injection
	Air Injection	Pump or pulse		Vane Type, Constant Disp.
		Driven by		Belt
		Air distribution (head, manifold, etc.)		Manifold and Underbody Catalyst
		Point of entry		Manifold Gallery and Catalyst
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)		Controlled Flow
		Exhaust source		Exhaust Manifold #4 Runner
		Point of exhaust injection (spacer, carburetor, manifold, other)		Intake Manifold Plenum
	Catalytic Converter	Type		TWC/COC Converter M.T.A.
		Number of		One
		Location(s)		Underbody
		Volume [L (in^3)]		2.4 (153)
		Substrate type		Monolithic - Ceramic
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)			
	Energy source (manifold vacuum, carburetor, other)			
	Discharges (to intake manifold, other)			
	Air inlet (breather cap, other)			
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)		Fuel tank	Vented to Carbon Canister
			Carburetor	
	Vapor storage provision			Carbon Canister
Electronic system	Closed loop (yes/no)			
	Open loop (yes/no)			

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		Reverse Flow
Resonator no. & type		N.A.
Exhaust pipe	Branch o.d., wall thickness	N.A.
	Main o.d., wall thickness	N.A.
	Material	N.A.
Intermediate pipe	o.d. & wall thickness	51 x 1.37 (2.0 x .054)
	Material	Low Carbon Aluminum Coated
Tail pipe	o.d. & wall thickness	42 x 1.37 (1.62 x .054); 44.5 x 1.37 (1.75 x .054)
	Material	Aluminized Low Carbon Steel

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Engine Description/Carb. Engine Code

2.0L/DIESEL
(121 CID)

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Engine Modifications
	Air Injection	Pump or pulse	N.A.
		Driven by	N.A.
		Air distribution (head, manifold, etc.)	N.A.
		Point of entry	N.A.
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	N.A.
		Exhaust source	N.A.
		Point of exhaust injection (spacer, carburetor, manifold, other)	N.A.
	Catalytic Converter	Type	N.A.
		Number of	N.A.
		Location(s)	N.A.
		Volume [L (in^3)]	N.A.
		Substrate type	N.A.
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System
	Energy source (manifold vacuum, carburetor, other)		Sump Pressure
	Discharges (to intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Vented to Atmosphere
		Carburetor	N.A.
	Vapor storage provision		N.A.
Electronic system	Closed loop (yes/no)		
	Open loop (yes/no)		

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		Single Reverse Flow
Resonator no. & type		Single Straight Thru
Exhaust pipe	Branch o.d., wall thickness	N.A.
	Main o.d., wall thickness	N.A.
	Material	N.A.
Intermediate pipe	o.d. & wall thickness	51 x 1.37 (2.0 x .054)
	Material	Low Carbon Aluminum Coated
Tail pipe	o.d. & wall thickness	44.0 x 1.37 (1.73 x .054)
	Material	Low Carbon Aluminum Coated

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Engine Description/Carb.	1.6L/2V	1.6L HO/2V
Engine Code	(97.6 CID)	

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)	N.A.	
Manual 4-speed (std., opt., n.a.)	Standard	N.A.
Manual 5-speed (std., opt., n.a.)	N.A.	Standard
Manual overdrive (std., opt., n.a.)	N.A.	
Automatic (std., opt., n.a.)	Optional	
Automatic overdrive (std., opt., n.a.)	N.A.	

Manual Transmission/Transaxle

Number of forward speeds		Four/FS (a)	Four/WR (b)	Five (c)
Transmission ratios	In first Final Drive	3.23 (9.82)	3.58 (12.85)	3.60 (13.42)
	In second " "	1.92 (5.84)	2.05 (7.36)	2.12 (7.90)
	In third " "	1.23 (3.74)	1.23 (4.42)	1.39 (5.20)
	In fourth " "	0.81 (2.46)	0.81 (2.91)	1.02 (3.81)
	In fifth " "	- -		1.02 (2.79)
	In overdrive	- -		
	In reverse " "	3.46 (10.52)	3.46 (12.42)	3.62 (13.48)
Synchronous meshing (specify gears)		All Forward Gears		
Shift lever location		Floor		
Lubricant	Capacity [L (pt.)]	2.5 (5.3)		2.9 (6.1)
	Type recommended	(d)		(d)
	SAE viscosity number — Summer	N.A.		
	SAE viscosity number — Winter	N.A.		
	SAE viscosity number — Extreme cold	N.A.		

Clutch (Manual Transmission)

Make, type, engagement (describe)		Single Disc, Dry Plate
Type pressure plate springs		Belleville Spring
Total spring load [N (lb.)]		3850 (865)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos
	Manufacturer	Valeo
	Part number	E1ER-7550-AB & BB
	Rivets/plate	12
	Rivet size	3.9 x 6.0 (5/32 x 15/64)
	Outside & inside dia.	200 (7.875) & 134 (5.275)
	Total eff. area [cm^2 ($in.^2$)]	346 (53.7)
	Thickness	3.43 (0.135)
	Engagement cushion method	Torbend Disc
Release bearing	Type & method of lubrication	Self Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: springs, friction material	Multi-Stage, Springs & Friction Material

FINAL DRIVE RATIOS (a) Standard - 3.04:1 (b) Standard - 3.59:1

(c) The 5-speed is a unique arrangement utilizing dual final drive, one for 1st through 4th and reverse (3.73:1) and one for 5th (2.73:1).

(d) Automatic Transmission Fluid ESW-M2C33F (95.2% Volume) Plus Friction Modifier EST-M2C118-A (4.8% by Volume).

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Passenger Car

METRIC (U.S. Customary)

Car Line LYNX
Model Year 1985 Issued 9/84 Revised (•) _____

Engine Description/Carb. Engine Code	2.0L/DIESEL (121 CID)

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)	N.A.
Manual 4-speed (std., opt., n.a.)	N.A.
Manual 5-speed (std., opt., n.a.)	Standard
Manual overdrive (std., opt., n.a.)	N.A.
Automatic (std., opt., n.a.)	N.A.
Automatic overdrive (std., opt., n.a.)	N.A.

Manual Transmission/Transaxle

Number of forward speeds			Five (a)
Transmission ratios	In first	Final Drive	3.93 (13.84)
	In second	" "	2.12 (7.47)
	In third	" "	1.39 (4.91)
	In fourth	" "	0.98 (3.45)
	In fifth	" "	0.98 (2.56)
	In overdrive		0.98 (2.56)
	In reverse	" "	3.62 (12.73)
Synchronous meshing (specify gears)			All Forward Gears
Shift lever location			Floor
Lubricant	Capacity [L (pt.)]		2.9 (6.1)
	Type recommended		M2C33F
	SAE viscosity number	Summer	- -
		Winter	- -
		Extreme cold	- -

Clutch (Manual Transmission)

Make, type, engagement (describe)		Single Disc, Dry Plate
Type pressure plate springs		Belleville Spring
Total spring load [N (lb.)]		3850 (865)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos
	Manufacturer	Valeo
	Part number	E1ER-7750-AB & BB
	Rivets plate	12
	Rivet size	3.9 x 6.0 (5/32 x 15/64)
	Outside & inside dia.	200 (7.875) & 134 (5.275)
	Total eff. area [cm^2($in.^2$)]	346 (53.7)
	Thickness	3.43 (0.135)
	Engagement cushion method	Torbend Disc
Release bearing	Type & method of lubrication	Self Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: springs, friction material	Multi-Stage, Springs & Friction Material

(a) The 5-speed is a unique arrangement utilizing dual final drive, a higher numerical ratio for 1st through 4th and reverse (3.52:1) and a lower numerical ratio for 5th (2.61:1).

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Passenger Car

METRIC (U.S. Customary)

Car Line LYNX
Model Year 1985 Issued 9/84 Revised (•) _____

Engine Description/Carb. Engine Code	ALL MODELS

Automatic Transmission/Transaxle

Trade name		Transaxle (ATX)
Type and special features (describe)		ATX-Wide Ratio, 3-Speed with Open Torque Converter in Low and Split-Torque in Intermediate and High
Selector	Location	Floor-Mounted T-Bar Design
	Ltr./No. designation	P R N D 2 1
Gear ratios	R	1.97:1
	D	1.00:1
	L_3	- -
	L_2	1.61:1
	L_1	2.79:1
Max. upshift speed - drive range [km/h (mph)]		124 (77)
Max. kickdown speed - drive range [km/h (mph)]		114 (71)
Min. overdrive speed [km/h (mph)]		- -
Torque converter	Number of elements	Three
	Max. ratio at stall	2.37:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	235 (9.25)
Lubricant	Capacity [refill L (pt.)]	7.4 (15.7), Including Oil Cooler Lines
	Type Recommended	M2C138-CJ/Dexron II for Service
Oil cooler (std., opt., NA, internal, external, air, liquid)		

Axle or Front Wheel Drive Unit

Type (front, rear)			Front Wheel Drive
Description			MTX I - 4-Speed; ATX - Auto.; MTX III - 5-Speed (a)
Limited slip differential (type)			N.A.
Drive pinion offset			N.A.
Drive pinion (type)			N.A.
No. of differential pinions			Two
Pinion / differential adjustment (shim, other)			N.A.
Pinion / differential bearing adjustment (shim, other)			Select Fit Shim
Driving wheel bearing (type)			Tapered Roller Bearings Ball Bearing
Lubricant	Capacity [L (pt.)]		2.5 (5.3) - 4 Spd Man; 2.9 (6.1) - 5 Spd Man; 7.4 (15.7) - Auto.
	Type recommended		Manual ATFESW-M2C33F; M2C-138-CJ Automatic/Dexron II for Service
	SAE viscosity number	Summer	N.A.
		Winter	N.A.
		Extreme cold	N.A.

Axle or Transaxle Ratio and Tool Combinations (See 'Power Teams' for axle ratio usage.)

Axle ratio (or overall top gear ratio)		- -				
No. of teeth	Pinion	- -				
	Ring gear or gear	- -				
Ring gear o.d.		- -				
Transaxle	Transfer gear ratio	3.04:1	3.31:1	3.59:1	3.52/2.61:1 (a)	3.73/2.73:1 (a)
	Final drive ratio	2.46:1	3.31:1	2.91:1	3.45/2.56:1	3.81/2.79:1

(a) The 5-speed is a unique arrangement utilizing dual final drive, a higher numerical ratio for 1st through 4th and reverse and a lower numerical ratio for 5th

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Car Line LYNX
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Engine Description/Carb.
Engine Code

ALL MODELS

Axle Shafts – Front Wheel Drive

Number used			One Each, LH & RH Sides - Unequal Length
Type (straight, solid bar, tubular, etc.)		Left	Solid Bar
		Right	Solid Bar
Outer diam. x length* x wall thickness	Manual transmission 4-Speed O.D.	Left	26.0 x 322.0 (1.02 x 12.68)
		Right	26.0 x 648.0 (1.02 x 25.51)
	Automatic transmission 3-Speed Opt.	Left	26.0 x 305.0 (1.02 x 12.01)
		Right	26.0 x 648.0 (1.02 x 25.51)
	Optional transmission Man. 5-Spd	Left	26.0 x 322.0 (1.02 x 12.68)
		Right	26.0 x 648.0 (1.02 x 25.51)
Slip yoke	Type		N.A.
	Number of teeth		N.A.
	Spline o.d.		N.A.
Universal joints	Make and mfg. no.	Inner	GKN & NTN
		Outer	GKN & NTN
	Number used		2 Inner & 2 Outer (4 Total)
	Type, size, plunge	Inner	82 ST D.O.J., 44 (1.73) Plunge
		Outer	87 AC Fixed
	Attach (u-bolt, clamp, etc.)		Non-Bolted
	Bearing – Type (plain, anti-friction)		N.A.
	Bearing – Lubrication (fitting, prepack)		N.A.
Drive taken through (torque tube, arms or springs)			N.A.
Torque taken through (torque tube, arms or springs)			N.A.

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

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METRIC (U.S. Customary)

Car Line LYNX
Model Year 1985 Issued 9/84 Revised (•) _____

Body Type And/Or Engine Displacement	ALL MODELS

Suspension – General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	- -
	Manual/auto. controlled	- -
Provision for brake dip control		N.A.
Provision for accl. squat control		N.A.
Provisions for car jacking		Notched Rocker Panel Positions
Shock absorber (front & rear)	Type	Strut Type - Front and Rear
	Make	Motorcraft
	Piston diameter	27 (1.06) Front and Rear
	Rod diameter	20 (.90) Front, 18 (.70) Rear

Suspension – Front

Type and description		McPherson Strut - Indep., Front Drive with Strut Mounted Coil Spring; Stab. - Bar - Track Control Arm
Drive and torque taken through		
Travel	Full jounce	75.4 (2.97)
	Full rebound	88.6 (3.49)
Spring	Type (coil, leaf, other) & material	Coil, SAE-5160-H
	Insulators (type & material)	Control Arm Bushings and Strut Mounts
	Size (coil design height & i.d., bar length x dia.)	Des. Ht.-170.4, I.D.-86.0, Lgth-2533, Dia.-10.92; 3 Dr Sedan Des. Ht.-171.6, I.D.-86.0, Lgth-2584, Dia.-11.44; 5 Dr Sedan & Wagon
	Spring rate [N/mm (lb./in.)]	21 (120) 3 Dr Sedan; 24.5 (140) 5 Dr Sedan & Wagon
	Rate at wheel [N/mm (lb./in.)]	18.1 (103) 3 Dr Sedan; 20.4 (117) 5 Dr Sedan & Wagon
Stabilizer	Type (link, linkless, frameless)	Linkless, Dual Function Strut/Stabilizer
	Material & bar diameter	Modified 1090, 22.0 (.87) Base; 26.0 (1.01) Handling

Suspension – Rear

Type and description			Modified McPherson-Strut Type; Independent, Non-Driven with Coil Spring on Lower Arm - Tie Bar - Cont. Arm-Forged Spindle
Drive and torque taken through			- -
Travel	Full jounce		3 Dr 88.5 (3.5); 5 Dr 95.5 (3.8); Wagon 84.8 (3.3)
	Full rebound		3 Dr 101.5 (4.0); 5 Dr 94.5 (3.7); Wagon 105.2 (4.1)
Spring	Type (coil, leaf, other) & material		Coil, SAE-5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)		Des. Hgt. - 3 Dr 151.9; 5 Dr 157.7; Wagon 150.6 ID-84 mm Wire Dia. - 3 Dr 11.8; 5 Dr 12.4; Wagon 12.4
	Spring rate [N/mm (lb./in.)]		3 Dr 34.1 (195); 5 Dr 41.2 (235); Wagon 41.2 (235)
	Rate at wheel [N/mm (lb./in.)]		3 Dr 13.9 (79); 5 Dr 16.2 (93); Wagon 16.2 (93)
	Insulators (type & material)		Upper (Rubber) Insulator - Helical to Match Spring
	If leaf	No. of leaves	- -
		Shackle (comp. or tens.)	- -
Stabilizer	Type (link, linkless, frameless)		- -
	Material & bar diameter		- -
Track bar (type)			Tie Bar, Forged Eye-Fore/Aft; Lower Arm (Pre-Galvanized Stp)

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Passenger Car

METRIC (U.S. Customary)

Car Line LYNX
Model Year 1985 Issued 9/84 Revised (•) _____

Body Type And/Or Engine Displacement	3-DOOR HATCHBACK	5-DOOR HATCHBACK & 4-DOOR WAGON

Brakes - Service

Description				Four Wheel Hydr Actuated Split Diagonal Braking System	
Brake type (std., opt., n.a.)			Front (disc or drum)	Disc	
			Rear (disc or drum)	Drum	
Self-adjusting (std., opt., n.a.)				Standard	
Special valving	Type (proportion, delay, metering, other)			Pressure Differential and Proportioning	
Power brake (std., opt., n.a.)				Optional (Standard with Wagon)	
Booster type (remote, integral, vac., hyd., etc.)				200 (7.87) Single Diaphragm - Integral - Vacuum	
Vacuum source (inline, pump, etc.)				Inline - Gas; Pump - 2.0L Diesel	
Vacuum reservoir (volume in.^{3})				90 (2.0L Diesel)	
Vacuum pump-type (elec, gear driven, belt driven, if other so state)				Electric (2.0L Diesel)	
Anti-skid device type (std., opt., n.a..) (F/R)				N.A.	
Effective area [cm^2(in.^{2})]*				163.3 (25.3)/230.4 (35.7)	163.2 (25.3)/271.6 (42.1)
Gross lining area [cm^2(in.^{2})]**(F/R)				175.0 (28.0)/230.4 (35.7)	175.0 (28.0)/287.0 (44.5)
Swept area [cm^2(in.^{2})]***(F/R)				951.0 (147.4)/348.3 (54.0)	951.0 (147.4)/433.7 (67.2)
Rotor	Outerworking diameter		F/R	235 (9.25)	
	Inner working diameter		F/R	152 (5.98)	
	Thickness		F/R	24 (0.94)	
	Material & type (vented/solid)		F/R	Cast Iron Vented	
Drum	Diameter & width		F/R	180 (7.10)	203 (8.0)
	Type and material		F/R	Cast Iron	
Wheel cylinder bore				54 (2.13) Front, 20.6 (0.81) Rear	
Master cylinder	Bore/stroke		F/R	21 (.827) Bore, 32 (1.26) Manual Stroke 34.3 (1.35) Power	
Pedal arc ratio				5.2:1 Manual, 3.5:1 Power	
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				1580 psi	
Lining clearance			(F/R)	0.13 (.005) Front/0.38 (.015) Rear	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted 6/Seg.	
		Rivet size		4.7 (.185)	
		Manufacturer		Thiokol	
		Lining code		TP-1353M-FF	
		Material		Molded Organic	
		****	Primary or out-board	103 x 39.7 x 11.1 (4.05 x 1.56 x .437)	
		Size	Secondary or in-board	103 x 39.7 x 11.1 (4.05 x 1.56 x .437)	
		Shoe thickness (no lining)		4.8 (.189) Nominal	
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	Riveted 10/Seg.
		Manufacturer		Bendix	
		Lining code		BX-MO-FF	
		Material		Molded Organic	
		****	Primary or out-board	187x30.8x5.6 (7.4x1.2x.22)	211x34x4.5 (8.3x1.34x.18)
		Size	Secondary or in-board	187x30.8x5.6(7.4x1.2x.22)	211x34x4.5 (8.3x1.34x.18)
		Shoe thickness (no lining)		1.53 (.60) Nominal	1.89 (.74) Nominal

*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.

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METRIC (U.S. Customary)

Car Line LYNX
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Body Type And/Or Engine Displacement	SEDANS AND WAGONS (EXCEPT BASE 3-DOOR)	BASE 3-DOOR (All w/Fuel Saver Eng)

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P165/80R13 BSW	P175/80R13 BSW
	Type (bias, radial, etc.)		Steel Belted Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)	
		Rear [kPa (psi)]	240 (35)	
	Rev./mile–at 70 km/h (45 mph)		540	
Wheels	Type & material		Disc - Semi Styled Steel Stamped	
	Rim (size & flange type)		13 x 4.5 JJ	
	Wheel offset		41.4 (1.63)	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	108 (4.25)	
		Number & size	Four - 12 mm	
Spare	Tire and wheel (same, if other describe)		P155/80D13 BSW 35 PSI 240 kPa 330 x 114.3 (13 x 4.5) - 41.4 (1.6) Offset - Temporal Spare	
	Storage position & location (describe)		Flat Position, Deep Well in Trunk	

Tires And Wheels (Optional)

Size (load range, ply)	P165/80R13
Type (bias, radial, etc.)	Steel Belted Radial
Wheel (type & material)	Disc. Styled Steel Stamped
Rim (size, flange type and offset)	13 x 5 JJ Offset 41.4 (1.63)
Size (load range, ply)	P165/80R13
Type (bias, radial, etc.)	Steel Belted Radial
Wheel (type & material)	Cast Aluminum
Rim (size, flange type and offset)	13 x 5½ Offset 41.4 (1.63)
Size (load range, ply)	P165/70R 365 TRX
Type (bias, radial, etc.)	Steel Belted Radial
Wheel (type & material)	Disc. Styled Steel Stamped
Rim (size, flange type and offset)	365 x 135 (14.3 x 5.3) TRX Offset 41.4 (1.63)
Size (load range, ply)	P175/80R13 BSW (Fuel Economy Leader Only)
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position	No Optional Spare Tire or Wheel

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)	- -
	Drum diameter	- -
	Lining size (length x width x thickness)	- -

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Car Line LYNX
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Body Type And/Or Engine Displacement

ALL MODELS

Steering

Manual (std., opt., n.a.)				Standard
Power (std., opt., n.a.)				Optional
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt 5 Position
		(Std., opt., n.a.)		Optional
Wheel diameter		Manual		368 (14.5) With 6.4 (0.25) Offset
		Power		368 (14.5) With 6.4 (0.25) Offset
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		10.9 (35.7)
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Scrub Radius				
Manual	Gear	Type		Rack and Pinion
		Make		Cam Gear Ltd.
		Ratios	*	10.36° per mm of Rack Travel
			Overall	21.2:1 (On Center)
	No. wheel turns (stop to stop)			3.5
Power	Type (coaxial, linkage, etc.)			Integral Rack and Pinion
	Make			TRW Gear - Ford Pump, Fluid ESP-M2C138CJ
	Gear	Type		Rack and Pinion (Constant Ratio)
		Ratios	*	8.94°/mm of Rack Travel
			Overall	18.3:1 (On Center)
	Pump (drive)			Belt Off Crankshaft Pulley
	No. wheel turns (stop to stop)			3.04
Linkage	Type			Integral with Gear
	Location (front or rear of wheels, other)			Rear
	Drag links (trans. or longit.)			N.A.
	Tie rods (one or two)			2 Integral with Gear
Steering axis	Inclination at camber (deg.)			Left -- 14.64°, Right -- 15.09°
	Bearings (type)	Upper		Shock Strut Shaft
		Lower		Ball Joint
		Thrust		N.A.
Steering spindle & joint type				Cast Spindle Support w/Integral Strg. Arm
Wheel spindle	Diameter	Inner bearing		34.977 - 34.957 (1.38 - 1.376)
		Outer bearing		34.977 - 34.957 (1.38 - 1.376)
	Thread (size)			CV Joint Outer Race M20 x 1.5
	Bearing (type)			Non-Adjustable Tapered Roller

* Rack Speed

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Body Type And/Or Engine Displacement

ALL MODELS

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+1.4° ± 0.75° (a)
		Camber (deg.)	Left 2.15° ± 0.75°; Right 1.70° ± 0.75° (b)
		Toe-in [outside track-mm (in.)]	-2.5 ± 3.0 (-.10 ± .12) (c)
	Service reset*	Caster	+ 1.4° ± 0.75° (a)
		Camber	Left + 2.15° ± 0.75°; Right + 1.70° ± 0.75° (b)
		Toe-in	-2.5 ± 3.0 (-.10 ± .12) (c)
	Periodic M.V. inspection	Caster	+ 1.4° ± 2.0°
		Camber	Left + 2.15° ± 2.0°; Right + 1.70° ± 2.0°
		Toe-in	-2.5 ± 6.0 (-.10 ± .25)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-1.25 ± .85
		Toe-in [outside track-mm (in.)]	+ 5.0 ± 5.0 (.18 ± .18)
	Service reset*	Camber	- 1.25° ± 0.85°
		Toe-in	+ 5.0 ± 5.0 (.18 ± .18)
	Periodic M.V. inspection	Camber	-1.25° ± 2.00°
		Toe-in	+ 5.0 ± 6.0 (.18 ± .25)

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

Electrical – Instruments and Equipment

Speedometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Optional
EGR maintenance indicator		None
Charge indicator	Type	Warning Light
	Warning device	None
Temperature indicator	Type	Engine Light (Oil & Temp.); Optional Temperature Gauge
	Warning device	None
Oil pressure indicator	Type	Engine Light (Oil & Temp.); Optional Oil Light
	Warning device	None
Fuel indicator	Type	Gauge (45° Indicator)
	Warning device	Lo-Fuel Warning Light (Optional)
Windshield wiper	Type (standard)	Two Speed Electric (Column Mounted Control)
	Type (optional)	Interval Wipe (Column Mounted Control)
	Blade length	454 (18.0)
	Swept area [cm^2 ($in.^2$)]	4683.2 (725)
Windshield washer	Type (standard)	Electric Pump (Impeller Type)
	Type (optional)	None
	Fluid level indicator	Optional (Warning Light)
Horn	Type	Air Electric
	Number used	One Hi-Pitch (Std.); One Lo-Pitch (Opt.)
Other		

(a) Max. Side to Side Difference Not to Exceed 0.75°
(b) Max. Side to Side (Left/Right) to be .45° ± 0.75°
(c) Steering Wheel Spokes (Clear Vision) Must Be Within ± 10° After Toe Setting

Electrical - Instruments and Equipment (Cont'd.):

. Brake System Warning Light

. Directional Turn Signal Lights

. Emergency Flashers

. Headlamp "ON" Warning Buzzer

. Hi-Beam Indicator

. Fasten Seat Belt Warning Light

. Cigar Lighter

. Fog Lamps

. Graphic Display Module

. Trip Odometer

. Up-shift Light w/Manual Transmission and Gasoline Engine Only (Not Available Canada)

. Lift Gate Ajar Warning Light

. Rear Washer/Wipe

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METRIC (U.S. Customary)

Car Line LYNX
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Engine Description/Carb. Engine Code	1.6L/2V (97.6 CID)	1.6L HO/2V

Electrical – Supply System

Battery	Make	Motorcraft	
	Model, std., (opt.)	Standard	
	Voltage	12 Volt	
	Amps at 0°F cold crank	310 (a); 380 (b); 410 (c)	
	Minutes-reserve capacity	60 (a); 75 (b); 82 (c)	
	Amp/hrs. - 20 hr. rate	36 (a); 45 (b); 48 (c)	
	Location	Low-Silhouette-Mtd. in LH Apron Forward of Strut Tower	
Generator or alternator	Type and rating	E4EF-CA (40 Amp)	E4EF-DA (40 Amp)
	Ratio (alt. crank/rev.)	1.84:1 (a) (2.33:1 w/60 Amp)	2.33:1 (a)
	Optional (type & rating)	E1GF-CA (60 Amp) Incl. w/A/C	
Regulator	Type	Electronic E4AF-AA	

Electrical – Starting System

Start. motor	Current drain at 0°F	255-275 Amps
Motor drive	Engagement type	Positive
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Conventional (std., opt., n.a.)		N.A.	
	Electronic (std., opt., n.a.)		Standard	
	Other (specify)		N.A.	
Coil	Make		Motorcraft	
	Model	12029	E1EF-AA	E2EF-AA
	Current	Engine stopped – A	5.0	
		Engine idling – A	2.5	
Spark plug	Make		Motorcraft	
	Model		AWSF-34	
	Thread (mm)		14	
	Tightening torque [N-m (lb., ft.)]		10-20 (7-14)	
	Gap		1.12 (0.44)	
	Number per cylinder		One	
Distributor	Make		Motorcraft	
	Model		Breakerless	

Electrical – Suppression

Locations & type	All Engines: Capacitor in Alternator, Resistor Spark Plugs, Resistance Ignition Wires All 1.6L: Ground Strap Engine to Body; 1.6L HO: Capacitor at Ignition Coil

(a) 1.6L 2V/1.6L HO/2V - Manual Transmission (Without Power Steering)
(b) 1.6L 2V/1.6L HO/2V - Manual Transmission (With Power Steering)
(c) 1.6L 2V HO Automatic Transmission All Applications

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Engine Description/Carb. Engine Code	2.0L/Diesel (121 CID)

Electrical – Supply System

Battery	Make		Motorcraft
	Model, std., (opt.)		Standard
	Voltage		12 Volt
	Amps at 0°F cold crank		1050
	Minutes-reserve capacity		165
	Amp/hrs. - 20 hr. rate		100
	Location		Left Hand Rear of Cargo Area
Generator or alternator	Type and rating	10300	E25F-BA (60 Amp)
	Ratio (alt. crank/rev.)		2.36:1 (2.75:1 w/65 Amp)
	Optional (type & rating)	10300	E4EF-AA (65 Amp) Incl. w/A/C
Regulator	Type	10316	E4AF-AB

Electrical – Starting System

Start, motor	Current drain at 0°F	500-520 Amps
Motor drive	Engagement type	Positive
	Pinion engages from (front, rear)	Front

Electrical – Ignition System (NOT APPLICABLE)

Type	Conventional (std., opt., n.a.)		
	Electronic (std., opt., n.a.)		
	Other (specify)		
Coil	Make		
	Model		
	Current	Engine stopped – A	
		Engine idling – A	
Spark plug	Make		
	Model		
	Thread (mm)		
	Tightening torque [N-m (lb., ft.)]		
	Gap		
	Number per cylinder		
Distributor	Make		
	Model		

Electrical – Suppression

Locations & type	Capacitor in Alternator, Ground Strap Between Engine Block and Fender Apron. Hood Bond.

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Body Type	ALL MODELS

Body – Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel (Acrylic)
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal (Primary) Cable Release - External (Secondary)
Trunk lid	Type (counterbalance, other)	N.A.
	Internal release control (elec., mech., n.a.)	N.A.
Hatch-back lid	Type (counterbalance, other)	Gas Struts
	Internal release control (elec., mech., n.a.)	Electrical
Bumper front	Bar material & mass, kg (weight, lbs.)	7029 Aluminum (Anodized) - 10.0 lb.
	Reinforcement material & mass, kg (lbs.)	Reinforcing Bracketry - 2.4 lb Man, 18.4 Auto.
Bumper rear	Bar material & mass, kg (weight, lbs.)	HSLA 960 Steel - 18.3 lb./7029 Aluminum 10.0
	Reinforcement material & mass, kg. (lbs.)	None
Vent window control (crank, friction, pivot, power)	Front	Manual Latch (Option)
	Rear	None
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Stamped Frame - Coil Springs & Flexolator - Foad Pad
	Rear	Integral Frame & Foam Pad Assembly
	3rd seat	None
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Stamped Frame - Foam Pad
	Rear	Plastic Load Floor - Foam Pad Assy, Fold-Down Type
	3rd seat	None
Vehicle identification no. location		Cowl Top Inner Panel - L.H.

Frame

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

Glass

		SEDAN	STATION WAGON
Backlight slope angle (deg.)	H121	62°	34°
Windshield slope angle (deg.)	H122	55.0°	
Tumble-Home (deg.)	W122	20.5°	
Windshield glass exposed surface area [cm^2($in.^2$)]	S1	6939.2 (1075.6)	
Side glass exposed surface area [cm^2($in.^2$)] - total 2-sides	S2	10770.5 (1670.6)	14500.8 (2247.6)
Backlight glass exposed surface area [cm^2($in.^2$)]	S3	7680.6 (1190.5)	4977.4 (771.5)
Total glass exposed surface area [cm^2($in.^2$)]	S4	25390.3 (3936.7)	26417.5 (4094.7)
Windshield glass (type)		LAMINATED	
Side glass (type)		TEMPERED - Safety	
Backlight glass (type)		TEMPERED	

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Body Type	ALL MODELS

Restraint System

Active restraint system	Standard/optional	Standard - Color Keyed Webbing - Rear Standard - Color Keyed Webbing with Tension Eliminator - Front
	Type and description	Continuous Loop - Front Lap Only - Rear
	Location	2 Seat Belts - Front 2 - Rear
Passive seat belts	Standard/optional	N.A.
	Power/manual	N.A.
	2 or 3 point	N.A.
	Knee bar/lap belt	N.A.

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Body Type	ALL MODELS

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

Air conditioning (manual, auto. temp control)		Optional, Manual Temperature Control
Clock (digital, analog)		Optional, Digital
Compass / thermometer		N.A.
Console (floor, overhead)		Optional, Floor/Optional, Overhead
Defroster, elec. backlight		Optional (Mandatory in New York State)
Electronic	Diagnostic warning (integrated, individual)	N.A.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	N.A.
	Voice alert (list items)	N.A.
	Other Headlamp Buzzer	Optional, Warning
	Graphic Display Warning	Optional, Indicator
Fuel door lock (remote, key, electric)		Optional, Electric
Lamps	Auto head on / off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map, reading)	Optional
	Door lock, ignition	N.A.
	Engine compartment	Optional
	Fog	Optional
	Glove compartment	Optional
	Trunk /Cargo	Optional
	Other	
Mirrors	Day/night (auto, man.)	N.A.
	L.H. (remote, power, heated)	Optional, Remote
	R. H. (convex, remote, power, heated)	Optional, Remote Convex
	Visor vanity (RH / LH, illuminated)	Optional, LH (Not Illuminated)/RH (Illuminated)
Parking brake-auto release (warning light)		N.A.
Power equipment	Door locks / deck lid - specify	Optional, Door Locks/Decklid
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	N.A.
	Side windows	N.A.
	Vent windows	N.A.
	Rear window	N.A.
Radio systems	Antenna (location, whip, w/shield, power)	Whip - Right Hand Fender
	AM, FM, stero, tape, CB	(a)
	Speaker (number, location) Premium sound	Optional, Amp. w/Frt. Door Speakers and Rear Speakers
Roof open air/fixed (flip-up, sliding, "T")		Optional, Flip-Up/Open Air
Speed control device		Optional
Speed warning device (light, buzzer,etc)		N.A.
Tachometer (rpm)		6000 (Diesel); 7000 (Gasoline)
Theft protection-type		N.A.

(a) AM Radio Optional on Base Vehicle. AM Std. on L-Series; AM/FM Stereo Std. on GS-Series. Optional Radios: AM/FM Stereo, AM/FM Stereo w/Cassette, Electronic AM/FM Stereo Search w/Cassette, Graphic Equalizer

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METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	3-DOOR HATCHBACK	5-DOOR HATCHBACK	4-DOOR WAGON
Width				
Tread (front)	W101	1390 (54.7)		
Tread (rear)	W102	1422 (56.0)		
Vehicle width	W103	1673 (65.9)		
Body width at Sg RP (front)	W117	1601 (63.0)		
Vehicle width (front doors open)	W120	3662 (144.2)	3186 (125.4)	
Vehicle width (rear doors open)	W121	- -	3049 (120.0)	
Length				
Wheelbase	L101	2393 (94.2)		
Vehicle length	L103	4236 (166.8)		4267 (168.0)
Overhang (front)	L104	899.2 (35.4)		
Overhang (rear)	L105	947 (37.3)		976 (38.4)
Upper structure length	L123	2681 (105.6)		2809 (110.6)
Rear wheel C/L "X" coordinate	L127	2166 (85.3)		
Cowl point "X" coordinate	L125	2187 (86.1)		
Height*				
Passenger distribution (frt./rear)	PD1,2,3	2/1		
Trunk/cargo load		0		
Vehicle height	H101	1353 (53.3)		
Cowl point to ground	H114	914 (36.0)	917 (36.1)	916 (36.1)
Deck point to ground	H138	896 (35.3)	904 (35.6)	835 (32.9)
Rocker panel-front to ground	H112	198 (7.8)	201 (7.9)	200 (7.9)
Bottom of door closed-front to grd.	H133	270 (10.6)	276 (10.9)	269 (10.6)
Rocker panel-rear to ground	H111	189.5 (7.5)	196 (7.7)	186 (7.3)
Bottom of door closed-rear to grd.	H135	- -	277 (10.9)	267 (10.5)
Ground Clearance*				
Front bumper to ground	H102	368 (14.5)	369 (14.5)	374 (14.7)
Rear bumper to ground	H104	315 (12.4)	323 (12.7)	305 (12.0)
Bumper to ground [front at curb mass (wt.)]	H103	387 (15.2)		
Bumper to ground [rear at curb mass (wt.)]	H105	388 (15.3)		
Angle of approach (degrees)	H106	22.2°		22.6°
Angle of departure (degrees)	H107	20.5°	21.0°	19.3°
Ramp breakover angle (degrees)	H147	13.7°	14.1°	13.6°
Rear axle differential to ground	H153	- -		
Min. running ground clearance	H156	126 (5.0) (a)	130 (5.1) (b)	120 (4.7) (a)
Location of min. run. grd. clear.		Exhaust System (a) (b)		

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.
Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

(a) At 4175 Longitudinal Coordinate
(b) At 2940 Longitudinal Coordinate

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Car and Body Dimensions

See Key Sheets for definitions

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Body Type	SAE Ref. No.	3-DOOR HATCHBACK	5-DOOR HATCHBACK	4-DOOR WAGON
Front Compartment				
Sg RP front, "X" coordinate	L31	3104 (43.4)		
Effective head room	H61	967 (38.1)		
Max. eff. leg room (accelerator)	L34	1055 (41.5)		
Sg RP (front to heel)	H30	260 (10.2)		
Design H-point front travel	L17	180 (7.1)		
Shoulder room	W3	1305 (51.4)		
Hip room	W5	1318 (51.9)		
Upper body opening to ground	H50	1240 (48.8)	1245 (49.0)	1238 (48.8)
Steering wheel angle	H18	26.3°		
Back angle	L40	24.0°		
Rear Compartment				
Sg RP Point couple distance	L50	751 (29.6)		
Effective head room	H63	950 (37.4)		970 (38.2)
Min. effective leg room	L51	890 (35.0)		
Sg RP (second to heel)	H31	303 (11.9)		
Knee clearance	L48	29 (1.1)		
Compartment room	L3			
Shoulder room	W4	1312 (51.6)	1306 (51.4)	
Hip room	W6	1121 (44.1)	1127 (44.4)	
Upper body opening to ground	H51		1249 (49.2)	1240 (48.8)
Back angle	L41			
Luggage Compartment				
Usable luggage capacity [L (cu. ft.)]	V1	N.A.		
Liftover height	H195	793 (31.2)	801 (31.5)	

Interior Volumes (EPA Classification)			
Vehicle class		COMPACT	SMALL STATION WAGON
Interior volume index (cu. ft.)	*	101.8	86.0
Trunk/cargo index (cu. ft.)		16.6	28.0

*Includes Trunk Cargo Index

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Body Type	SAE Ref. No.	2-DOOR HATCHBACK	4-DOOR HATCHBACK	4-DOOR WAGON
Station Wagon – Third Seat		(NOT APPLICABLE)		
Shoulder room	W85			
Hip room	W86			
Effective leg room	L86			
Effective head room	H86			
Effective T-point head room	H89			
Seat facing direction	SD1			
Back angle	L88			
Station Wagon – Cargo Space				
Cargo length (open front)	L200	- -		- -
Cargo length (open second)	L201	- -		- -
Cargo length (closed front)	L202	- -		1548 (60.9)
Cargo length (closed second)	L203	- -		873 (34.4)
Cargo length at belt (front)	L204	- -		1429 (56.2)
Cargo length at belt (second)	L205	- -		681 (26.8)
Cargo width (wheelhouse)	W201	- -		908 (35.7)
Rear opening width at floor	W203	- -		1042 (41.0)
Opening width at belt	W204	- -		
Max. rear opening width above belt	W205	- -		
Cargo height	H201	- -		891 (35.1)
Rear opening height	H202	- -		793 (31.2)
Tailgate to ground height	H250	- -		
Front seat back to load floor height	H197	- -		564 (22.2)
Cargo volume index [m^3($ft.^3$)]	V2	- -		1.68 (58.7)
Hidden cargo volume [m^3($ft.^3$)]	V4	- -		
Cargo volume, index-rear of 2-seat	V10	- -		.79 (27.8)
Hatchback – Cargo Space				
Front seat back to load floor height	H197	566.5 (22.3)		- -
Cargo length at front seat back height	L208	989 (38.9)		- -
Cargo length at floor (front)	L209	1466 (57.7)		- -
Cargo volume index [m^3($ft.^3$)]	V3	1.07 (37.6)	1.06 (37.4)	- -
Hidden cargo volume [m^3($ft.^3$)]	V4			- -
Cargo volume index-rear of 2-seat	V11	0.47 (16.6)	0.47 (16.5)	- -
Aerodynamics*				
Wheel lip to ground, front		622.3 (24.5)		
Wheel lip to ground, rear		599.4 (23.6)		
Frontal area [m^2(ft^2)]		19.9 $ft.^2$ (a)		20.1 $ft.^2$ (a)
Drag coefficient (Cd)		0.39		0.38

* Describe measurement method.

(a) Includes two outside mirrors

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Body Type

3-DOOR HATCHBACK	5-DOOR HATCHBACK 4-DOOR STATION WAGON

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
1 & 2 Front	The rear vertical edge of the master control notch on the underside of the front door rocker panels locates the "X" coordinate relative to body grid. X = 2535 (99.8) Y = 721 (28.4) Z = 486 (19.1)
3 & 4 Rear	The intersection of the horizontal-vertical surfaces on the rocker panel door rabbet locates the "Y" and "Z" coordinates relative to body grid at particular fore-aft inch lines. The fore-aft location can be determined by the reference dimension from - Fiducial Mark 1 & 2.

Fiducial Mark Number			
Front	W21	721 (28.3)	
	L54	2535 (99.8)	
	H81	485 (19.1)	
	H161	- - - -	
	H163	- - - -	
Rear	W22	721 (28.4)	721 (28.4)
	L55	3300 (129.9)	3600 (141.7)
	H82	479 (18.9)	473 (18.7)
	H162	- - - -	- - - -
	H164	- - - -	- - - -

* Reference – SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks – September, 1973.
All linear dimensions are in millimeters (inches).

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Body Type	SAE Ref. No.	ALL MODELS

Lamps and Headlamp Shape*			SEDAN	STATION WAGON
Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	954.0 (36.6)	
		Lowest	- -	
	Taillamp (H128)	Highest**	643.2 (25.3)	632.0 (24.9)
		Lowest	643.2 (25.3)	632.0 (24.9)
	Sidemarker	Front	668.3 (26.3)	
		Rear	643.2 (25.3)	632.0 (24.9)
Distance from C/L of car to center of bulb	Headlamp	Inside	- -	
		Outside**	996.0 (39.2)	
	Taillamp	Inside	659.0 (25.9)	693.0 (27.3)
		Outside**	659.0 (25.9)	693.0 (27.3)
	Directional	Front	677.8 (26.7)	
		Rear	476.5 (18.7)	693.0 (27.3)
Headlamp shape			Rectangular - Single Halogen Type	

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

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Model	Vehicle Mass (weight)							
	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg (weight, lb.)**
				Pass In Front		Pass In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
1.6L 2V I-4 Engine								
Manual 4-Speed								
Lynx L								
3-Door Hatchback (D61)	580	365	945	44	56	13	87	900
	(1278)	(804)	(2082)					(1985)
5-Door Hatchback (D58)	587	387	974	44	56	13	87	930
	(1294)	(853)	(2147)					(2050)
4-Door Wagon (D74)	587	398	985	44	56	13	87	942
	(1295)	(878)	(2173)					(2076)
Lynx GS								
3-Door Hatchback (D61)	594	382	976	44	56	13	87	932
	(1309)	(842)	(2151)					(2054)
5-Door Hatchback (D58)	601	405	1006	44	56	13	87	962
	(1326)	(892)	(2218)					(2121)
4-Door Wagon (D74)	600	413	1013	44	56	13	87	969
	(1323)	(911)	(2234)					(2137)

* Reference – SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition – Less Fuel and Engine Coolant

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Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
ENGINES:				
Fuel Saver Engine	-0.5	0	-0.5	
1.6L	(-1)	(0)	(-1)	
1.6L 2V HO	1.8	0	1.8	
	(4)	(0)	(4)	
2.0L Diesel	59.4	44.9	104.3	
	(131)	(99)	(230)	
EMISSION SYSTEMS:				
High Altitude	0.5	0	0.5	
	(1)	(0)	(1)	
California	0.5	0	0.5	
	(1)	(0)	(1)	
Canada	-7.3	-0.9	-8.2	
	(-16)	(-2)	(-18)	
TRANSAXLES:				
Manual 5-Speed	5.4	-0.9	4.5	
	(12)	(-2)	(10)	
Automatic	42.2	-4.1	38.1	
	93	(-9)	(84)	
TIRES:				
P165/80R13 WSW	0.5	0.5	1.0	
	(1)	(1)	(2)	
P185/65R365 TRX	1.8	1.4	3.2	
	(4)	(3)	(7)	
MISCELLANEOUS OPTIONS:				
Air Conditioner (Manual)	21.3	0	21.3	
	(47)	(0)	(47)	

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

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Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
MISCELLANEOUS OPTIONS: (continued)				
Radiator Assy. (1.49 THK 13 FPI) 1.5 x 8	2.7 (6)	0 (0)	2.7 (6)	
Radiator Assy. (1.49 THK 10 FPI) 1.7 x 8	2.3 (5)	0 (0)	2.3 (5)	
Radio - AM	1.8 (4)	1.4 (3)	3.2 (7)	
Radio - AM Delete	-1.4 (-3)	-0.5 (-1)	-1.8 (-4)	
Radio - AM/FM Monaural	1.8 (4)	0.5 (1)	2.3 (5)	
Radio - AM/FM MPX	1.8 (4)	2.3 (5)	4.1 (9)	
Radio -AM/FM MPX Cassette	2.7 (6)	1.4 (3)	4.1 (9)	
Premium Sound	1.8 (4)	0.5 (1)	2.3 (5)	
Sound System - Graphic Equalizer	2.7 (6)	1.4 (3)	4.1 (9)	
Roof, Flip-Up Sun	2.7 (6)	6.8 (15)	9.5 (21)	
Speed Control	1.8 (4)	0 (0)	1.8 (4)	
Steering, Power	6.8 (15)	0.9 (2)	7.7 (17)	
Suspension, Handling	0.9 (2)	0 (0)	0.9 (2)	
Suspension, TRX Rallye	1.8 (4)	0.5 (1)	2.3 (5)	
Suspension, Heavy Duty Fleet	1.4 (3)	0.9 (2)	2.3 (5)	

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

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Equipment	Optional Equipment Differential Mass (weight)* MASS, kg. (weight, lb.) Front	Rear	Total	Remarks
MISCELLANEOUS OPTIONS:				
(continued)				
Seats, Manual Recliner	2.7	3.2	5.9	
(Special)	(6)	(7)	(13)	
Seats, Lo-Back Recliner	1.4	2.3	3.7	
(Manual)	(3)	(5)	(8)	
Wheels - Styled Steel	2.3	2.3	4.6	
4Y Design	(6)	(6)	(12)	
Wheels - Wide Aluminum	1.8	2.3	4.1	
Spoke, TRX	(4)	(5)	(9)	
Brakes, Power Disc	1.4	0.5	1.9	
	(3)	(1)	(4)	
Battery Heavy Duty	3.6	-0.5	3.1	
(45 Amp)	(8)	(-1)	(7)	
Steering Column -	1.8	0.9	2.7	
Tilt	(4)	(2)	(6)	
Clock - Digital Header	0.5	0.5	1.0	
Mounted	(1)	(1)	(2)	
Tachometer Instrumenta-	0.5	0	0.5	
tion Group	(1)	(0)	(1)	
Engine Heater Immersion-	0.5	0	0.5	
Grounded	(1)	(0)	(1)	
Luggage Rack	1.0	4.5	5.5	Station Wagon Only
	(2)	(10)	(12)	
Console	1.4	0.9	2.3	
	(3)	(2)	(5)	
Armrest - Folding	1.8	1.4	3.2	
	(4)	(3)	(7)	
Rear Window Defroster -	0.5	0	0.5	
Electric	(1)	(0)	(1)	
Window - Man. Pivoting	1.4	0.5	1.9	
Front Vent	(3)	(1)	(4)	

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

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line LYNX

Model Year 1985 Issued 9/84 Revised (•) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
MISCELLANEOUS OPTIONS:				
(continued)				
Mirror, L.H. Racing	0.5	0.5	1.0	
Remote Control	(1)	(1)	(2)	
Mirrors, L.H. & R.H.	1.0	0	1.0	
Racing Remote	(2)	(0)	(2)	
Mirror - R.H. Convex	0.5	0.5	1.0	
Non-Racing	(1)	(1)	(2)	
Tinted Glass - Complete	0.5	0	0.5	
	(1)	(0)	(1)	
Tinted Glass -	0.5	0	0.5	
Windshield	(1)	(0)	(1)	
Windshield Wipers,	0.5	0	0.5	
Interval	(1)	(0)	(1)	
Wiper/Washer, Rear	-1.4	7.3	5.9	
	(-3)	(16)	(13)	
Protection - Road	0.5	0.5	1.0	
Abrasion	(1)	(1)	(2)	
Appearance Protection	0.5	0.5	1.0	
Group	(1)	(1)	(2)	
Bumper Rub Strips	0.5	0	0.5	
Front & Rear	(1)	(0)	(1)	
Accent Stripe	0.5	0	0.5	
	(1)	(0)	(1)	
Exterior Moulding	0.5	0.5	1.0	
Bodyside	(1)	(1)	(2)	
Sports Group - 1.6L	15.0	26.3	41.3	
	(33)	(58)	(91)	
Sports Group - 1.6L	24.9	43.1	68.0	
	(55)	(95)	(150)	
Bumper Guards - Front	0.5	0	0.5	
	(1)	(0)	(1)	

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

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line LYNX
Model Year 1985 Issued 9/84 Revised (•) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
MISCELLANEOUS OPTIONS: (continued)				
Bumper Guards- Rear	0	0.5	0.5	
	(0)	(1)	(1)	
Bumper Guards - Fleet Front & Rear	0.5	0.5	1.0	
	(1)	(1)	(2)	
Door Locks - Power	1.8	0	1.8	
	(4)	(0)	(4)	
Light Shift Indicator	0.5	0	0.5	
	(1)	(0)	(1)	
French Label - Quebec	0.5	0	0.5	
	(1)	(0)	(1)	
Speedometer - Kilos	0.5	0	0.5	
	(1)	(0)	(1)	
Body, Tu-Tone Paint	0.5	0	0.5	
	(1)	(0)	(1)	
License Plate Bracket - Front	0.5	0	0.5	
	(1)	(0)	(1)	
Station Wagon Decor	1.4	1.8	3.2	
	(3)	(4)	(7)	
Decor Group GS	14.1	17.2	31.3	
	(31)	(38)	(69)	

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

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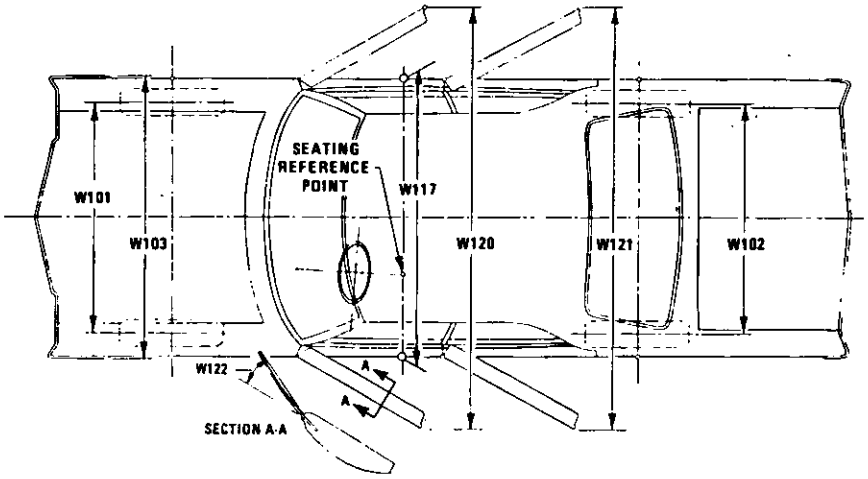
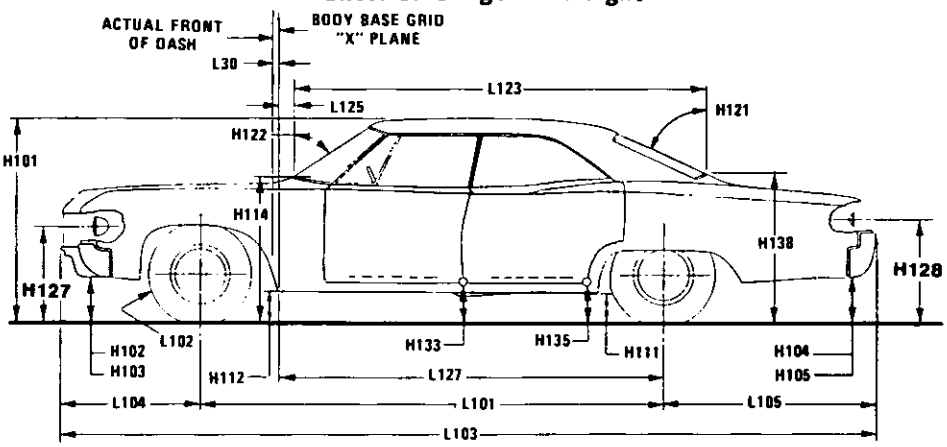
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

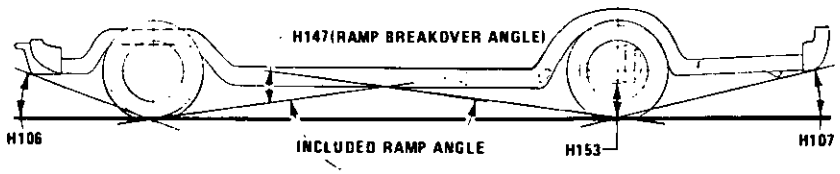
Exterior Width



Exterior Length & Height



Exterior Ground Clearance



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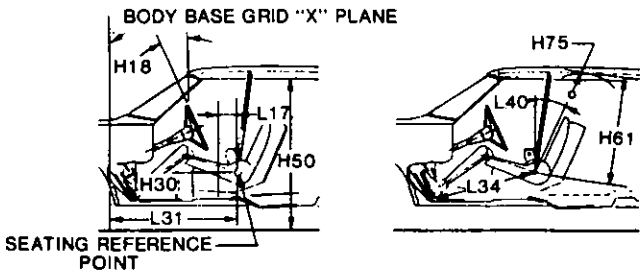
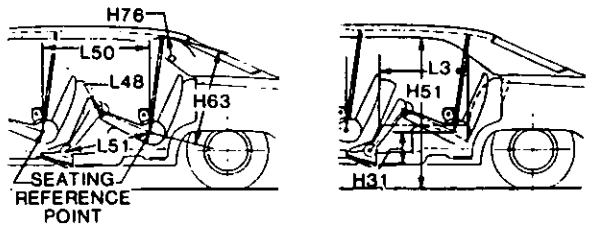
Interior Car And Body Dimensions – Key Sheet

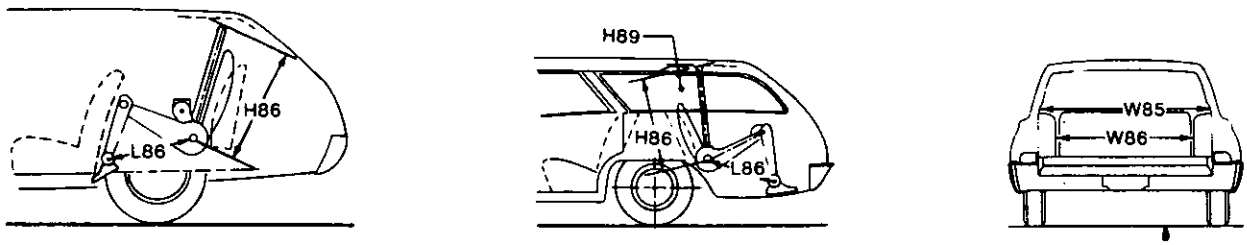
Front Compartment



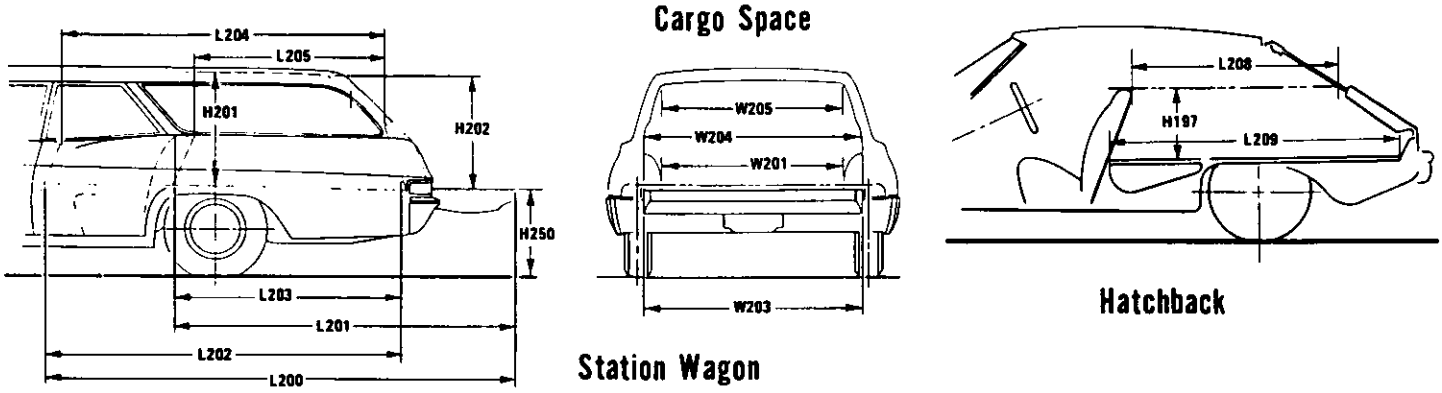
Rear Compartment



Third Seat



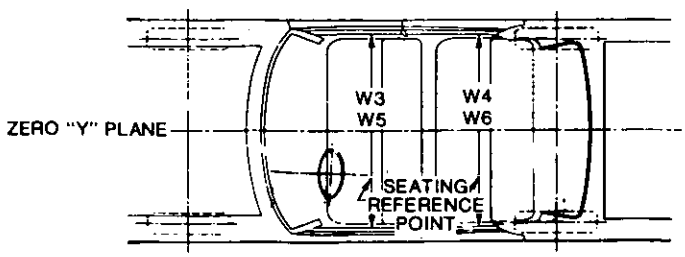
Cargo Space



Station Wagon

Hatchback

Interior Width



MVMA Specifications Form
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Exterior Car And Body Dimensions – Key Sheet
Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;

(b) Has coordinates established relative to the design vehicle structure;

(c) Simulates the position of the pivot center of the human torso and thigh; and

(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

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

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

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

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

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

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

W122 TUMBLE HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.

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

Length Dimensions

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.

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

L102 TIRE SIZE. As specified by the manufacturer.

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

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

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

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

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

L125 COWL POINT "X" COORDINATE.

Height Dimensions

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

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

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

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

H132 BOTTOM OF DOOR OPEN–FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

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

H134 BOTTOM OF DOOR OPEN–REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H135 BOTTOM OF DOOR CLOSED–REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.

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

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

H127 HEADLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.

H128 TAILLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

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

H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.

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

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

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

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

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

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

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

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION–FRONT.

L31 SgRP–FRONT "X" COORDINATED.

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

H75 EFFECTIVE T-POINT HEAD ROOM–FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).

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

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

L17 DESIGN H-POINT–FRONT TRAVEL. The dimension measured horizontally between the design H-point–front in the foremost and rearmost seat trace positions.

W3 SHOULDER ROOM–FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP–front within the belt line and 254 mm (10.0 in.) above the SgRP–front.

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

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

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

L40 BACK ANGLE–FRONT. The angle measured between a vertical line through the SgRP–front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION–SECOND.

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

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

H76 EFFECTIVE T-POINT HEAD ROOM–SECOND. Measured in the same manner as H75.

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

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

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

L3 COMPARTMENT ROOM–SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

W4 SHOULDER ROOM–SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP–second within 254-406 mm (10.0-16.0 in.) above the SgRP–second.

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

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

L-41 Same as L-40.

Luggage Compartment Dimensions

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

H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

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 interior volume index is an estimate of the size of the passenger compartment.

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

Station Wagon – Third Seat Dimensions

PD3 PASSENGER DIRECTION–THIRD.

W85 SHOULDER ROOM–THIRD. Measured in the same manner as W5.

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

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

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

H89 EFFECTIVE T-POINT HEAD ROOM–THIRD. Measured in the same manner as H75.

L-88 Same as L-40.

Station Wagon – Cargo Space Dimensions

L200 CARGO LENGTH–OPEN–FRONT. The minimum dimension measured longitudinally from the back of the front

Station wagon – Cargo Space Dimensions (con't.)

seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

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

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

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

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

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

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

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

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

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

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

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

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

V2 STATION WAGON
Measured in inches:

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

Measured in mm:

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

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

V10 STATION WAGON (REAR OF SECOND SEAT)
Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L205}{10^9} = \text{liters}$$

Hatchback – Cargo Space Dimensions

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

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

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.

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

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

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT–HATCHBACK. The horizontal dimension from the "X" plane tangent to 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 "Y" plane.

L211 CARGO LENGTH AT FLOOR–HATCHBACK–SECOND. The horizontal dimension 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.

V3 HATCHBACK.
Measured in inches:

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

Measured in mm:

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

V11 HATCHBACK (REAR OF SECOND SEAT)
Measured in inches:

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

Measured in mm:

$$\frac{W4 \times H198 \times \frac{L210 + L211}{2}}{10^9} = \text{litres}$$

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