MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1984

Manufacturer	Car Line	
FORD MOTOR COMPANY	MARK VII	
Mailing Address		
P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued NOVEMBER, 1983	Revised

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

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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 dimesions 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)
% MARK VII				
2-Door Sedan		63D	2/3	90.7 (200)
% DESIGNER SERIES				
2-Door Bill Blass		CV9	2/3	90.7 (200)
2-Door Gianni Versace		CV5	2/3	90.7 (200)
2-Door European Theme (LSC)		B8H	2/3	90.7 (200)

% Rear Wheel Drive (RWD)

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Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque connected to 77° F/25° C and 29.61 in. Hg/100 Kpa atmospheric pressure.

SERIES AVAILABILITY	ENGINE					Exhaust S/D	TRANSMISSION TRANSAXLE	AXLE RATIO (std. first)
	Displ. Liters (in^3)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N - m (lb. ft.)			
				49 STATES				
All	5.0 (302)	CFI	8.4	104 (140) 3200	339 (250) 1600	S	AOD	3.08T, 3.27-T#
	2.4L (Diesel)	TC	23.0			D	AOD	3.73-T
				CALIFORNIA				
All	5.0	CFI	8.4	104 (140) 3200	339 (250) 1600	S	AOD	3.27-T#, 3.08-T
	2.4L (Diesel)	TC	23.0			D	AOD	3.73-T
				ALTITUDE				
All	5.0	CFI	8.4	104 (140) 3200	339 (250) 1600	S	AOD	3.08T, 3.27-T#
	2.4L (Diesel)	TC	23.0			D	AOD	3.73-T
				CANADA				
All	5.0	2V	8.4	104 (140) 3200	339 (250) 1600	D	AOD	3.08T, 3.27-T#
	2.4L (Diesel)	TC	23.0			D	AOD	3.73-T

AOD - Automatic Overdrive Transmission - 4-Speed
T - Traction-Lok Available
- LSC Model Only

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Engine Description/Carb. Engine Code	2.4L/TC (DIESEL)

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sonc, donc, ohv, hemi, wedge, pre-camber, etc.)		Inline, Front, Transverse, Pre-Chamber Diesel
No. of cylinders		Six
Bore		80 (3.15)
Stroke		81 (3.19)
Bore spacing (c/l to c/l)		91 (3.58)
Cylinder block material		Cast Iron - High Nickel Content
Cylinder block deck height		216 (8.50)
Deck clearance (minimum) (above or below block)		Above Block
Cylinder head material		Aluminum GK-AL SI6 CU 4
Cylinder head volume (cm^3)		
Head gasket thickness (compressed)		1.5 (.059)
Minimum combustion chamber total volume (cm^3)		19.39
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4, 5, 6
	R. Bank	--
Firing order		1, 5, 3, 6, 2, 4
Recommended fuel (leaded, unleaded, diesel)		Diesel #2
Fuel antiknock index $\frac{(R + M)}{2}$		N.A.
Total dressed engine mass (wt) dry**		196.8 (433.9)

Engine — Pistons

Material & mass, g (weight, oz.) piston	Aluminum 0.771 (1.70)

Engine — Camshaft

Location		Overhead
Material (kg., weight, lbs.)		Chilled Iron 2.61 (5.8)
Drive type	Chain/belt	Belt
	Width/pitch	28.5 (1.12) / 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: As shipped from BMW with air cleaner, fuel filter, fan, fan clutch, engine wiring harness, glow plug module, EGR module, bracket for modules, EGR relay, altitude compensator aneroid, relay bracket and vacuum hoses.

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Engine Description/Carb. Engine Code	5.0L (302 CID)

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sonc, donc, ohv, hemi, wedge, pre-camber, etc.)		90°V, Front, Longitudinal Overhead Valve Engine With Modified Wedge Combustion Chamber
No. of cylinders		Eight
Bore		101.6 (4.00)
Stroke		76.2 (3.00)
Bore spacing (c/l to c/l)		111.25 (4.38)
Cylinder block material		Cast Iron
Cylinder block deck height		208 (8.20)
Deck clearance (minimum) (above or below block)		0.013 (0.0005)
Cylinder head material		Cast Iron
Cylinder head volume (cm^3)		67.5-70.5
Head gasket thickness (compressed)		1.04-1.19 (0.041-0.047)
Minimum combustion chamber total volume (cm^3)		78.9
Cyl. no. system (front to rear)*	L. Bank	5, 6, 7, 8
	R. Bank	1, 2, 3, 4
Firing order		1, 5, 4, 2, 6, 3, 7, 8
Recommended fuel (leaded, unleaded, diesel)		Regular Unleaded
Fuel antiknock index $\frac{(R+M)}{2}$		87.0 Minimum Octane
Total dressed engine mass (wt) dry**		220 (486)

Engine — Pistons

Material & mass, g (weight, oz.) piston	Aluminum Alloy 583 (20.56)

Engine — Camshaft

Location		In Block
Material (kg., weight, lbs.)		Special Alloy Iron, Green Sand Molded, Induction Hardened, Phosphate Coated
Drive type	Chain/belt	Chain, Double Roller
	Width/pitch	22.1 (0.87)/9.52 (0.37)

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

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

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Engine — Valve System

Lifters (std., opt., n.a.)	Hydraulic	N.A.
	Solid	Standard

Engine — Connecting Rods

Material & mass (kg., weight, lbs.)	Forged Steel, 41CR S4V85-100 0.664 (1.46)

Engine — Crankshaft

Material	Forged Steel, CM 45N
Mass (kg., weight, lbs.)	24.5 (54.0)
End thrust taken by bearing (no.)	#6

Engine — Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	Minimum 4 Bar @ 4500 @ 80°C
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	4.7 (5.0)

Engine — Diesel Information

Glow plug, current drain at 0°F		Maximum 30 AMP per glow plug (stabilized 11 AMPs each)
Injector nozzle	Type	Bosch Pintle
	Opening pressure [kPa (psi)]	150 + 8 Bar
Pre-chamber design		Modified Ricardo Comet
Fuel injection pump	Manufacturer	Bosch
	Type	VE
Supplementary vacuum source (type)		Camshaft Driven Diaphragm
Fuel heater (yes/no)		Yes
Water separator, description (std., opt.)		Standard
Turbo manufacturer		Air Research
Oil cooler		Two Pass Modine (15 x 3.8 x 2)
Oil filter		Purolator, Germany

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Engine — Valve System

Lifters (std., opt., n.a.)	Hydraulic	Standard
	Solid	N.A.

Engine — Connecting Rods

Material & mass (kg., weight, lbs.)	Forged Steel SAE-1541-H or SAE-1151-M .557 (1.23)

Engine — Crankshaft

Material	Nodular Cast Iron
Mass (kg., weight, lbs.)	17.32 (38.20)
End thrust taken by bearing (no.)	#3

Engine — Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	276-414 (40-60) @ 2000 RPM
Type oil intake (floating, stationary)	Stationary, Shrouded Screen in Sump
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0) Plus 0.9 (1.0) For Filter

Engine — Diesel Information (NOT OFFERED)

Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler		
Oil filter		

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Engine Description/Carb.
Engine Code

2.4L/TC
(DIESEL)

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)		N.A.
Coolant fill location (rad., bottle)		Bottle (Expansion System)
Radiator cap relief valve pressure [kPa (psi)]		100 (14.5)
Circulation thermostat	Type (choke, bypass)	By Pass
	Starts to open at °C (°F)	80°
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	
	Number of pumps	One
	Drive (V-belt, other)	V-Belt
	Bearing (type)	Sealed Single Row Ball
By-pass recirculation [type (inter., ext.)]		
Radiator core [type (cross-flow vertical cellular tube and fin, other) and material]		Cross-Flow, Tube and Slit Fin
Cooling system capacity	With heater—L(qt.)	11.1 (11.8)
	With air cond.—L(qt.)*	11.1 (11.8)
	Opt. equipment [specify—L(qt.)]	11.1 (11.8)
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Radiator core	Std., A/C, HD	A/C
	Width	622 (24.5)
	Height	452 (17.8)
	Thickness	55.9 (2.2)
	Fins per inch	13 (Vacuum Brazed Aluminum)
Fan	Std., elec., opt.	Standard - Elect. Pusher Hts. in Front of Radiator
	Number of blades & type (flex, solid, material)	Engine Driven: Eight-Solid Plastic; Electric: Five-Solid Plastic
	Diameter & projected width	Engine Driven: 400 (15.7); Electric: 366 (14.4)
	Ratio (fan to crankshaft rev.)	
	Fan cutout type	Clutch-Torque Calibrated
	Drive [type (direct, remote)]	Belt Driven Direct Water Pump
	RPM at idle (elec.)	1100 RPM
	Motor rating (wattage) (elec.)	100-300 Watts
	Motor switch (type & location) (elec.)	Thermostatic Coolant and Ambient Temp.
	Switch point (temp., pressure) (elec.)	
	Fan shroud (material)	Polypropelene; Metal Ring Type Electric Pusher

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Engine — Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure [kPa (psi)]		97-124 (14-18)
Circulation thermostat	Type (choke, bypass)	Choke - Poppet or Sleeve Valve
	Starts to open at °C (°F)	86-90 (188-195)
Water pump	Type (centrifugal, other)	Centrifugal-Vane
	GPM 1000 pump rpm	10
	Number of pumps	One
	Drive (V-belt, other)	Poly-V Belt
	Bearing (type)	Ball & Roller
By-pass recirculation [type (inter., ext.)]		External
Radiator core [type (cross-flow vertical cellular tube and fin, other) and material]		Crossflow, Tube and Slit Fin
Cooling system capacity	With heater—L(qt.)	12.6 (13.3)
	With air cond.—L(qt.)	12.7 (13.4) - A/C Std.
	Opt. equipment [specify—L(qt.)]	N.A.
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Radiator core	Std., A/C, HD	A/C
	Width	711.2 (28.0)
	Height	453.1 (17.8)
	Thickness	57.7 (2.3)
	Fins per inch	Ten
Fan	Std., elec., opt.	Std.
	Number of blades & type (flex, solid, material)	5 Uneven
	Diameter & projected width	469.9 (18.5) x 60.25 (2.37)
	Ratio (fan to crankshaft rev.)	1.25:1
	Fan cutout type	Clutch - Temperature Calibrated
	Drive [type (direct, remote)]	Belt Driven
	RPM at idle (elec.)	N.A.
	Motor rating (wattage) (elec.)	N.A.
	Motor switch (type & location) (elec.)	N.A.
	Switch point (temp., pressure) (elec.)	N.A.
	Fan shroud (material)	Polyproplene

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Engine Description/Carb. Engine Code

2.4L/TC
(DIESEL)

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

Induction type: carburetor, fuel injection system, etc.			N.A.
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.			
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		Purolator - Germany
	Optional		N.A.
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		Engine
	Pressure range [kPa (psi)]		

Fuel Tank

Capacity [refill L (gallons)]		84.4 (22.3 Gal)
Location (describe)		Behind Rear Axle
Attachment		Two Straps with Pin and Loop at Rear, Bolt at Rront
Material		Steel Terne Plate
Filler pipe	Location & material	Right Rear Quarter Panel; Steel
	Connection to tank	Rubber Seal
Fuel line (material)		Rubber/Nylon/Steel
Fuel hose (material)		Rubber/Nylon/Steel
Return line (material)		Rubber/Nylon/Steel
Vapor line (material)		Rubber
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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5.0L
(302 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 (a)
Carburetor	Mfgr.		Ford
	Choke (type)		Automatic
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	N.A.
		Automatic	550 Drive
Idle A/F mix.			
Fuel injection	Point of injection (no.)		2 Injectors - Throttle Body Mounted (a)
	Constant, pulse, flow		Pulse
	Control (electronic, mech.)		Electronic
	System pressure [kPa (psi)]		270.3 (39.2)
Intake manifold heat control (exhaust or water) thermostatic or fixed			Exhaust - Fixed
Air cleaner type	Standard		Dry Replaceable Element
	Optional		N.A.
Fuel pump	Type (elec. or mech.)		Electric (b)
	Location (eng., tank)		Fuel Tank (b)
	Pressure range [kPa (psi)]		270.3 (39.2) 41.4 (6) (b)

Fuel Tank

Capacity [refill L (gallons)]		84.4 (22.3 Gal)
Location (describe)		Behind Rear Axle
Attachment		Two Straps with Pin and Loop at Rear, Bolt at Front
Material		Steel (Terne Plate)
Filler pipe	Location & material	Right Hand Rear Quarter Panel
	Connection to tank	Rubber Seal
Fuel line (material)		Nylon
Fuel hose (material)		Nylon
Return line (material)		Nylon
Vapor line (material)		Nylon
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) Canada - Uses Conventional 2V Carburetor System
(b) Canada - Mechanical, Left Side of Engine, 44.8-55.2 (6.5-8.0)

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Engine Code

2.4L/TC
(DIESEL)

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Engine Modifications (EGR)
	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)	Controlled Flow
		Exhaust source	Exhaust Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	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)		N.A.
	Open loop (yes/no)		

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Dual With Reverse "Y" Pipe System
Muffler no. & type (reverse flow, straight thru, separate resonator)		Two, Reverse Flow
Resonator no. & type		One, Straight Thru at Turbo Outlet
Exhaust pipe	Branch o.d., wall thickness	Two, 50.8X1.75 (2.00 X .069)
	Main o.d., wall thickness	63.5 X 1.75 (2.50 X .069)
	Material	Aluminized Steel
Intermediate pipe	o.d. & wall thickness	- -
	Material	- -
Tail pipe	o.d. & wall thickness	LH-57.1X1.37(2.25X.054); RH-50.8X1.37(2.00X.054)
	Material	Aluminized Steel

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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle and Engine Modifications Plus Exhaust Gas Recirculation and Air Injection
	Air Injection	Pump or pulse	Vane
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Cylinder Heads Only - Canada Cylinder Heads and Catalyst
		Point of entry	Cylinder Head Exhaust Ports, Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Electronic; Back Pressure - Canada
		Exhaust source	Intake Manifold Crossover
		Point of exhaust injection (spacer, carburetor, manifold, other)	Carburetor Spacer
	Catalytic Converter	Type	TWC/COC; COC - Canada
		Number of	One
		Location(s)	Underbody
		Volume [L (in^3)]	160 $in.^3$ in Two Cans; 1.0 (62) - Canada
		Substrate type	Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges (to intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister
		Carburetor	Carbon Canister
	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 with "Y" Catalyst System
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	- -
	Main o.d., wall thickness	- -
	Material	- -
Intermediate pipe	o.d. & wall thickness	50.8 x 1.75 (2.00 x .069)
	Material	Aluminized Steel
Tail pipe	o.d. & wall thickness	50.8 x 1.37 (2.00 x .054)
	Material	Aluminized Steel

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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.)	N.A.
Manual overdrive (std., opt., n.a.)	N.A.
Automatic (std., opt., n.a.)	N.A.
Automatic overdrive (std., opt., n.a.)	Standard

Manual Transmission/Transaxle (NOT AVAILABLE)

Number of forward speeds			
Transmission ratios	In first		
	In second		
	In third		
	In fourth		
	In fifth		
	In overdrive		
	In reverse		
Synchronous meshing (specify gears)			
Shift lever location			
Lubricant	Capacity [L (pt.)]		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

Clutch (Manual Transmission) (NOT AVAILABLE)

Make & type		
Type pressure plate springs		
Total spring load [N (lb.)]		
No. of clutch driven discs		
Clutch facing	Material	
	Manufacturer	
	Part number	
	Rivets/plate	
	Rivet size	
	Outside & inside dia.	
	Total eff. area [cm^2 ($in.^2$)]	
	Thickness	
	Engagement cushion method	
Release bearing	Type & method of lubrication	
Torsional damping	Method: springs, friction material	

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Automatic Transmission/Transaxle

Trade name		Automatic Overdrive (AOD)	
Type and special features (describe)		Torque Converter With Planetary Gearset	Torque Converter With Lock-Up Clutch
Selector	Location	Column	Floor/Column
	Ltr./No. designation	P R N Ⓓ D 1	
Gear ratios	R	2.00	2.09
	D	0.67	0.73
	L_3	1.00	1.00
	L_2	1.47	1.56
	L_1	2.40	2.73
Max. upshift speed - drive range [km/h (mph)]		107 (67) 3.08:1, 101 (63) 3.27:1	92 (57)
Max. kickdown speed - drive range [km/h (mph)]		87 (54) 3.08:1, 82 (51) 3.27:1	85 (53)
Min. overdrive speed [km/h (mph)]		61 (38) 3.08:1, 58 (36) 3.27:1	51 (32)
Torque converter	Number of elements	Three	
	Max. ratio at stall	2.28	2.57
	Type of cooling (air, liquid)	Liquid Passed Through a Heat Exchanger in Radiator	
	Nominal diameter	305 (12)	260 (10.3)
Lubricant	Capacity [refill L (pt.)]	11.4 (24)	7.1 (15)
	Type recommended	ESP-M2C 138-CJ	DEXRON II
Oil cooler (std., opt., NA, internal, external, air, liquid)			

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-Floating Type with Cast Center and Overhung Pinion
Limited slip differential (type)			Cone Clutch Type
Drive pinion offset			25.4 (1.0)
Drive pinion (type)			Hypoid
No. of differential pinions			2 Pinion
Pinion adjustment (shim, other)			Shims
Pinion bearing adj. (shim, other)			Collapsible Spacer
Driving wheel bearing (type)			Straight Roller (7.5)
Lubricant	Capacity [L (pt.)]		1.5 (3.25); 1.6 (3.50)
	Type recommended		ESP-M2C154-A; EST-M2C118-A Traction-Lok (Additive)
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

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

Axle ratio (or overall top gear ratio)		3.08:1	3.27:1	3.73:1
No. of teeth	Pinion	12	11	11
	Ring gear or gear	37	36	41
Ring gear o.d.		190.5 (7.5)	190.5 (7.5)	190.5 (7.5)
Transaxle	Transfer gear ratio	- -		
	Final drive ratio	- -		

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Engine Description/Carb. Engine Code	2.4L/TC (DIESEL)

Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Internal Tuned Damper
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.		N.A.
	Manual 4-speed trans.		N.A.
	Manual 5-speed trans.		N.A.
	Overdrive		N.A.
	Automatic transmission Overdrive		69.85 x 1302 x 1.65 (2.75 x 51.26 x 0.065)
Inter-mediate bearing	Type (plain, anti-friction)		N.A.
	Lubrication (fitting, prepack)		N.A.
Slip yoke	Type		Piloted
	Number of teeth		25
	Spline o.d.		27.86 (1.097) Maximum
Universal joints	Make and mfg. no.	Front	Dana 1310
		Rear	Dana 1310
	Number used		Front: Single Cardan Rear: Double Cardan
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		12mm Bolts With Loctite
	Bearing	Type (plain, anti-friction)	Needle Roller
		Lubric, (fitting, prepack)	Prepack
Drive taken through (torque tube, arms or springs)			Control Arms
Torque taken through (torque tube, arms or springs)			Control Arms

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

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Engine Description/Carb. Engine Code	5.0L (302 CID)

Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Internal Tuned Damper
Outer diam. x length* x wall thickness	Manual 3-speed trans.		N.A.
	Manual 4-speed trans.		N.A.
	Manual 5-speed trans.		N.A.
	Overdrive		N.A.
	Automatic transmission Overdrive		69.85 x 1347.5 x 1.65 (2.75 x 53.05 x 0.065)
Intermediate bearing	Type (plain, anti-friction)		N.A.
	Lubrication (fitting, prepack)		N.A.
Slip yoke	Type		Piloted, Tuned Damper
	Number of teeth		28
	Spline o.d.		31.0 (1.22) Maximum
Universal joints	Make and mfg. no.	Front	Dana 1310
		Rear	Dana 1310
	Number used		Front: Single Cardan Rear: Double Cardan
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		12mm Bolts With Loctite
	Bearing	Type (plain, anti-friction)	Needle Roller
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube, arms or springs)			Control Arms
Torque taken through (torque tube, arms or springs)			Control Arms

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

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Body Type And/Or Engine Displacement	ALL MODELS

Suspension — General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	- -
	Manual/auto. controlled	- -
Provision for brake dip control		Front Springs Mounted on Lower Control Arms
Provision for accl. squat control		Unequal Length Upper/Lower Control Arms (Rear Suspension)
Special provisions for car jacking		
Shock absorber (front & rear)	Type	Direct Dbl Act Gas Press Hyd (Struts/Front) (Shocks/Rear)
	Make	Tokico, Front & Rear
	Piston diameter	32.0 (1.26) Front; 25 (0.98) Rear
	Rod diameter	22 (0.90) Front; 12.5 (0.50) Rear

Suspension — Front

Type and description		Hybrid McPherson Strut w/Air Spring Mounted on Lower Ctl. Arm
Travel	Full jounce	95.5 (3.6)
	Full rebound	107.0 (4.2)
Spring	Type (coil, leaf, other)	Air Spring
	Material	Neoprene Rubber w/Nylon Reinforcement Plies
	Size (coil design height & i.d., bar length x dia.)	
	Spring rate [N/mm (lb./in.)]	37.7 (215.4) Std.; 64.5 (386.6) H.D. & T.T.
	Rate at wheel [N/mm (lb./in.)]	10.8 (61.7) Std.; 16.9 (96.6) H.D. & T.T.
Stabilizer	Type (link, linkless, frameless)	Link, Teflon Lined Rubber Side Rail Insulator
	Material & bar diameter	Steel SAE 1090: 24.6 (0.97); 28.5 (1.12) Handling

Suspension — Rear

Type and description			Four Bar Link w/Air Spring on Lower Arm
Drive and torque taken through			Upper and Lower Control Arms
Travel	Full jounce		106.4 (4.2)
	Full rebound		106.4 (4.2)
Spring	Type (coil, leaf, other)		Air Springs
	Material		Neoprene Rubber w/Nylon Reinforcement Plies
	Size (length x width, coil design height & i.d., bar length & dia.)		
	Spring rate [N/mm (lb./in.)]		22.8 (130.3) Std.; 35.4 (202.3) H.D. & T.T.
	Rate at wheel [N/mm (lb./in.)]		11.7 (66.8) Std.; 17.2 (98.3) H.D. & T.T.
	Mounting insulation (type)		Rubber (Frame End Only)
	If leaf	No. of leaves	- -
		Shackle (comp. or tens.)	- -
Stabilizer	Type (link, linkless, frameless)		Link Type Stabilizer Bar - SAE-5160-H
	Material & bar diameter		14.7 (0.58) Std.; 16.5 (0.65) T.T.
Track bar (type)			None

T.T. - Trailer Tow
Std. - Standard
H.D. - Handling

NOTE: Front and rear air springs are variable rate. The rate shown is at nominal ride height.

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Body Type And/Or Engine Displacement: ALL MODELS

Brakes — Service

Description			Four Wheel Hydraulic Actuated System
Brake type (std., opt., n.a.)	Front (disc or drum)		Disc
	Rear (disc or drum)		Disc
Self-adjusting (std., opt., n.a.)			Standard
Special valving	Type (proportion, delay, metering, other)		Pressure Differential and Proportioning
Power brake (std., opt., n.a.)			Standard
Booster type (remote, integral, vac., hyd., etc.)			Hydroboost
Vacuum source (inline, pump, etc.)			N.A.
Vacuum reservoir (volume in.^{3})			N.A.
Vacuum pump-type (elec., gear driven, belt driven, if other so state)			N.A.
Anti-skid device type (std., opt., n.a.) (F/R)			N.A.
Effective area [cm^2(in.^{2})]*			246.3 (38.2) Front, 178.8 (27.7) Rear
Gross lining area [cm^2(in.^{2})]** (F/R)			257.7 (39.9) Front, 225.8 (35.0) Rear
Swept area [cm^2(in.^{2})]*** (F/R)			1429.5 (221.6) Front, 1356.8 (210.4) Rear
Rotor	Outer working diameter	F/R	277 (10.9)F, 287 (11.3)R
	Inner working diameter	F/R	180.8 (7.12)F, 197.4 (7.77)R
	Thickness	F/R	26 (1.02)F, 24 (.94)R
	Material & type (vented/solid)	F/R	Cast Iron Vented/Composite, Vented
Drum	Diameter (nominal)	F/R	N.A.
	Type and material	F/R	N.A.
Wheel cylinder bore		F/R	73 (2.87)/54 (2.13)
Master cylinder	Bore/stroke	F/R	28.6 (1.13)F, 35.0 (1.38)R
Pedal arc ratio			3.8:1
Line pressure at 445 N (100 lb.) pedal load [kPa (psi)]			12750 (1850)
Lining clearance per shoe		F/R	0.25 (.010)F, 0.43 (.017)R
Brake lining — Front wheel	Bonded or riveted (rivets/seg.)		Riveted
	Rivet size		4.83 (.190)
	Manufacturer		Thiokol
	Lining code		TP 1353M FF
	Material		Molded Asbestos
	**** Primary or out-board		162.1 x 43.39 x 8.1 (6.38 x 1.71 x .317)
	Size Secondary or in-board		136.9 x 44.9 x 9.3 (5.39 x 1.77 x .367)
	Shoe thickness (no lining)		5.1 (0.20)
Brake lining — Rear wheel	Bonded or riveted (rivets/seg.)		Riveted
	Manufacturer		Thiokol TP1353M
	Lining code		TP-1353H-FF
	Material		Molded Asbestos
	**** Primary or out-board		156.5 x 40.5 x 10.0 (6.16 x 1.59 x .394)
	Size Secondary or in-board		156.5 x 40.5 x 10.0 (6.16 x 1.59 x .394)
	Shoe thickness (no lining)		5.0 (.20)

* 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 thickness.

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Body Type And/Or Engine Displacement	ALL MODELS

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P215/70R15
	Type (bias, radial, etc.)		Radial Steel Belted
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	179 (26)
		Rear [kPa (psi)]	179 (26)
	Rev./mile – at 70 km/h (45 mph)		
Wheels	Type & material		Cast Aluminum
	Rim (size & flange type)		15 x 5.5
	Wheel offset		36 (1.42)
	Attachment	Type (bolt or stud)	Nut & Stud
		Circle diameter	4.50 Inches
		Number & size	Five - ½ - 20
Spare	Tire and wheel (same, if other describe)		Mini-Spare - T125/80D16 BSW 415 kPa 60 PSI with 16x4 JM Stamped Steel Wheel Temporal Spare
	Storage position & location (describe)		

Tires And Wheels (Optional)

Size (load range, ply)	P215/65R15 W/WSW & Puncture Sealant /P215/65R15BSW (a)
Type (bias, radial, etc.)	Radial Steel Belted
Wheel (type & material)	Cast Aluminum Spoke
Rim (size, flange type and offset)	15 x 6.0 JJ (1.42 Offset)
Size (load range, ply)	P215/65R15 WSW, Puncture Sealant
Type (bias, radial, etc.)	Radial Steel Belted
Wheel (type & material)	Cast Aluminum
Rim (size, flange type and offset)	15 x 6.0 JJ (1.42 Offset)
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	Forged Aluminum Turbine
Rim (size, flange type and offset)	15 x 5.5 JJ (1.42 Offset)
Size (load range, ply)	
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)	Conventional Spare Tire and Wheel Flat Position, Kick-up Area Over Axle

Brakes – Parking

Type of control		Foot Operated Single Stroke With Automatic Release
Location of control		Suspended Under Instrument Panel, Left of Column
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

(a) High Performance Goodyear Tires - LSC Model Only.

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Body Type And/Or Engine Displacement	ALL MODELS

Steering

Manual (std., opt., n.a.)					N.A.
Power (std., opt., n.a.)					Standard
Adjustable steering wheel (tilt, swing, other)		Type and description			Tilt - 5 Positions
		(Std., opt., n.a.)			Optional
Wheel diameter		Manual			N.A.
		Power			368 (14.5) w/6.4 (.25) Offset
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			12.19 (40.0)
	Inside rear	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			
Scrub Radius					
Manual	Gear	Type			N.A.
		Make			N.A.
		Ratios	Gear		N.A.
			Overall		N.A.
	No. wheel turns (stop to stop)				N.A.
Power	Type (coaxial, linkage, etc.)				Integral Rack and Pinion
	Make				Gear-(Ford). Pump-(Ford); Fluid ESP-M2C138-CJ
	Gear	Type			Rack and Pinion (Variable Ratio)
		Ratios	Gear		8.58 Deg./mm On Center, 7.91 Deg/mm At Stops
			Overall		16.4:1 (On-Center) (15:1 Straight Ratio LSC Model)
	Pump (drive)				Multi-Rib Belt Off Crankshaft Pulley
	No. wheel turns (stop to stop)				3.05 (2.5 LSC Model)
Linkage	Type				Rack and Pinion (a)
	Location (front or rear of wheels, other)				Front of Wheels
	Drag links (trans. or longit.)				N.A.
	Tie rods (one or two)				Two - Integral With Gear
Steering axis	Inclination at camber (deg.)				11.0
	Bearings (type)	Upper			Low Friction - Prelubricated
		Lower			Steel on Steel with Wear Indicator Feature
		Thrust			N.A.
Steering spindle & joint type					Ball Joint, Integral With Wheel Spindle
Wheel spindle	Diameter	Inner bearing			37.983 (1.50)
		Outer bearing			21.974 (0.87)
	Thread (size)				13/16-20 UNEF 2A R.H.
	Bearing (type)				Taper Roller

(a) Rod and Ball Joint Directly Attached to Gear

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Body Type And/Or Engine Displacement

ALL MODELS

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	$1.60^{o} + 0.88^{o}$ (a)
		Camber (deg.)	$0^{o} + 0.75^{o}$ (a)
		Toe-in [outside track-mm (in.)]	$3.0^{o} + 3.0^{o}$ (.12 + .12) (b)
	Service reset*	Caster	$1.60^{o} + 0.88^{o}$ (a)
		Camber	$0^{o} \pm 0.75^{o}$ (a)
		Toe-in	3.0 ± 3.0 (.12 ± .12) (b)
	Periodic M.V. inspection	Caster	$1.60^{o} \pm 2.0^{o}$
		Camber	$0^{o} \pm 0.75^{o}$
		Toe-in	3.0 ± 6.0 (.12 ± .25)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	N.A.
		Toe-in [outside track-mm (in.)]	N.A.
	Service reset*	Camber	N.A.
		Toe-in	N.A.
	Periodic M.V. inspection	Camber	N.A.
		Toe-in	N.A.

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

Electrical — Instruments and Equipment

Speedometer	Type	Electronic Digital with Electronic Odometer (Std.)
	Trip odometer (std., opt., n.a.)	Electronic Digital in Message Center (Std.)
EGR maintenance indicator		None
Charge indicator	Type	None
	Warning device	Warning Light (Std.)
Temperature indicator	Type	Warning Light (Std.)
	Warning device	Combined Engine Lamp
Oil pressure indicator	Type	Warning Light (Std.)
	Warning device	Combined Engine Lamp
Fuel indicator	Type	Electronic Digital with Integral Low Fuel Alert (Std.)
	Warning device	Electronic Digital in Message Center (Std.)
Windshield wiper	Type (standard)	Interval Wipe (Column Mounted Control)
	Type (optional)	N.A.
	Blade length	45.72 (18.0)
	Swept area [cm^2(in.^{2})]	6465.8 (1002.2)
Windshield washer	Type (standard)	Electric Pump, Fluidic Spray
	Type (optional)	None
	Fluid level indicator	Electronic Display Warning (Opt.); Warning Light (Std.)
Horn	Type	Air Electric
	Number used	Two - 1 Lo-Pitch, 1 Hi-Pitch
Other	See Page 15A	

(a) Max. side to side difference not to exceed + 0.88^{o}
(b) Steering wheel must be within ± 10^{o} of straight ahead position after toe setting

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

- Emergency Flashers
- Directional Turn Signal Lights
- Hi-Beam Indicator Light
- Clock - Electric Digital (Part of Message Center - Std.)
- Fasten Seat Belts Warning Light
- Low Oil Level Indicator Light
- Headlamps-On Warning Light
- Cornering Lamps
- Message Center
- Lamp Outage Module
- Keyless Entry System
- Anti-Theft System
- Automatic Day/Night Mirror
- Illuminated Entry System
- Automatic Lamp/Automatic Dim
- Garage Door Opener
- Electronic Compass/Thermometer
- Heated Seat

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Engine Description/Carb. Engine Code	5.0L/CFI (302 CID)	2.4L/TC (DIESEL)

Electrical — Supply System

Battery	Make		Motorcraft	
	Model, std., (opt.)		Standard	
	Voltage		12 Volt	
	Amps at 0°F cold crank		475	800
	Minutes-reserve capacity		120	
	Amp/hrs. - 20 hr. rate		71	60
	Location		Right Front Engine Compartment	
Generator or alternator	Type and rating		3-Phase, Full Wave Bridge Rectified, Self Limiting	
	Ratio (alt. crank/rev.)		2.54:1	2.32:1
	Optional (type & rating)	10300	E4LF-CA (70 Amp) Std.	E1BF-CA (100 Amp) Std.
Regulator	Type	10316	Electronic (E4AF-AA)	

Electrical — Starting System

Start. motor	Current drain at 0°F	290-315 Amps.	340-440 Amps
Motor drive	Engagement type	Positive	
	Pinion engages from (front, rear)	Front	

Electrical — Ignition System

(NOT APPLICABLE)

Type	Conventional (std., opt., n.a.)	N.A.	
	Electronic (std., opt., n.a.)		
	Other (specify)	None	
Coil	Make	Motorcraft	
	Model		
	Current — Engine stopped — A		
	Current — Engine idling — A		
Spark plug	Make	Motorcraft	
	Model	ASF-52	
	Thread (mm)	14mm	
	Tightening torque [N-m (lb., ft.)]	14 - 20.3 (10 - 15)	
	Gap	(0.050")	
Distributor	Make	Motorcraft	
	Model	Electronic	

Electrical — Suppression

Locations & type	Capacitor in alternator, capacitor on voltage regulator (diesel only). Resistor spark plugs, resistance ignition wire, ground cable - engine to dash (5.0L engine only).

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Body Type | ALL MODELS

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic Enamel
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Counterbalance
	Release control (internal, external)	Internal Primary, External Secondary - Remote Control
Trunk lid	Type (counterbalance, other)	Counterbalance
	Internal release control (elec., mech., n.a.)	Electric
Hatch back lid	Type (counterbalance, other)	N.A.
	Internal release control (elec., mech., n.a.)	N.A.
Bumper front	Bar material & mass (wt.)	ESB-M1A215-B1 Grade 50 Chrome 20.8 lb.
	Reinforcement material & mass (wt.)	ESB-M1A215-C5 Grade 50 Galv. 11.3 lb.
Bumper rear	Bar material & mass (wt.)	ESB-M1A215-B1 Grade 50 Chrome 22.5 lb.
	Reinforcement material & mass (wt.)	ESB-M1A215-C5 Grade 50 Galv. 6.7 lb.
Vent window control (crank, friction, pivot, power)	Front	Standard - Power Dropping Vent
	Rear	N.A.
Seat cushion type	Front	Deep Foam on Flat Wire Grid Susp/Coil Springs/Stamped Fr.
	Rear	Integral Frame & Foam Pad Asy with Spring Elements
	3rd seat	N.A.
Seat back type	Front	Full Foam Pad on Stamped Frame
	Rear	Integral Frame & Foam Pad Assy.
	3rd seat	N.A.
Vehicle ident. no. location		Top Left Side of Instrument Panel Near Windshield - Mounted to Outer Cowl

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Construction (Bolt-On #2 Crossmember)

Glass

Backlight slope angle (deg.)	H121	25° 54'
Windshield slope angle (deg.)	H122	59° 7'
Tumble-Home (deg.)	W122	19°
Windshield glass exposed surface area [cm^2($in.^2$)]	S1	7397.8 (1146.6)
Side glass exposed surface area [cm^2($in.^2$)]	S2	2026.9 (648.3)
Backlight glass exposed surface area [cm^2($in.^2$)]	S3	7526.6 (2408.2)
Total glass exposed surface area [cm^2($in.^2$)]	S4	16951.3 (5424.4)
Windshield glass (type)		LAMINATED
Side glass (type)		TEMPERED
Backlight glass (type)		TEMPERED

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Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	ALL MODELS

Restraint System

Active restraint system	Standard/ optional	Standard
	Type and description	Front seat belts consist of a 3 PT continuous loop system with new tunnel mounted slide bar buckle.
	Location	Front retractor assembly is mounted in quarter panel and is hidden by the quarter trim panel. The "D" ring is exposed.
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

Power windows	Side windows	Standard
	Vent windows	Standard
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		6-Way Split-Bench, Driver or Both (All)
Reclining front seat back (r-l or both)		Both Optional on Split Bench
Radio (specify type as well as availability)		Standard - Electronic MPX Search Radio Optional - Electronic AM/FM/MPX Cassette, Citizens Band
Premium sound system (specify)		Optional (Amplifier Door and Rear Coaxial Speakers)
Rear seat speaker		Standard
Power antenna		L.H. Quarter Standard; Power Tri-Band Optional
Clock		Digital w/Message Center
Air conditioner (specify type)		A/C with ATC Standard
Speed warning device		N.A.
Speed control device		Standard
Ignition lock lamp		N.A.
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Standard
Underhood lamp		Standard
Courtesy lamp		Standard in Door; Optional Under Seat Two (2) on I/P Standard
Map lamp		Standard
Cornering lamp		Standard
Rear window defroster electrically heated		Standard
Rear window defogger		N.A.
T-bar roof (describe)		N.A.
Sun roof (describe)		Optional - Electric Sliding
Theft protection—type		
Seat Belt Warning Chime		Standard
Programmable Pwr Seat		Optional
Dual Power Mirror (Outside)		Standard
Power Door Locks		Standard
Duel Heated Mirror (Outside)		Optional
Voice Alert		Optional

MVMA Specifications Form
Passenger Car

Car Line MARK VII

Model Year 1984 Issued 11/83 Revised (•)

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.	2-DOOR (63D) SEDAN

Width

Tread (front)	W101	1483 (58.4)
Tread (rear)	W102	1499 (59.0)
Vehicle width	W103	1801 (70.9)
Body width at Sg RP (front)	W117	1782 (70.2)
Vehicle width (front doors open)	W120	4302 (169.5)
Vehicle width (rear doors open)	W121	N.A.

Length

Wheelbase	L101	2757 (108.5)
Vehicle length	L103	5151 (202.8)
Overhang (front)	L104	1110 (43.7)
Overhang (rear)	L105	1282 (50.5)
Upper structure length	L123	2737 (107.8)
Rear wheel C/L "X" coordinate	L127	4396 (94.3)
Cowl point "X" coordinate	L125	2193 (7.6)

Height*

Passenger distribution (frt./rear)	PD1,2,3	2/3
Trunk/cargo load		90.7 (200)
Vehicle height	H101	1373 (54.2)
Cowl point to ground	H114	992 (39.1)
Deck point to ground	H138	1007 (39.6)
Rocker panel-front to ground	H112	220.1 (8.7)
Bottom of door closed-front to grd.	H133	--
Rocker panel-rear to ground	H111	209.4 (8.2)
Bottom of door closed-rear to grd.	H135	--

Ground Clearance*

Front bumper to ground	H102	378.1 (14.9)
Rear bumper to ground	H104	378.6 (14.9)
Bumper to ground [front at curb mass (wt.)]	H103	379.8 (15.0)
Bumper to ground [rear at curb mass (wt.)]	H105	384.4 (15.2)
Angle of approach (degrees)	H106	17.3°
Angle of departure (degrees)	H107	11.0°
Ramp breakover angle (degrees)	H147	--
Rear axle differential to ground	H153	186.2 (7.3)
Min. running ground clearance	H156	142.9 (5.6)
Location of min. run. grd. clear.		Converter Grass Shield

All linear dimensions are in millimeters (inches/mm); all mass (weight) specifications are in kilograms (pounds); and all angular dimensions in degrees.

* 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.

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Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	
		2-DOOR (66D) SEDAN

Front Compartment

Sg RP front, "X" coordinate	L31	3040 (40.9)
Effective head room	H61	960 (37.8)
Max. eff. leg room (accelerator)	L34	1066 (42.0)
Sg RP (front to heel)	H30	212 (8.3)
Design H-point front travel	L17	179 (7.0)
Shoulder room	W3	1422 (56.0)
Hip room	W5	1332 (52.4)
Upper body opening to ground	H50	1237 (48.7)
Steering wheel angle	H18	22.9°
Back angle	L40	25.0°

Rear Compartment

Sg RP Point couple distance	L50	869 (34.2)
Effective head room	H63	942 (37.1)
Min. effective leg room	L51	937 (36.9)
Sg RP (second to heel)	H31	270 (10.6)
Knee clearance	L48	81 (3.2)
Compartment room	L3	--
Shoulder room	W4	1467 (57.8)
Hip room	W6	1402 (55.2)
Upper body opening to ground	H51	N.A.

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	424.8 (15.0)
Liftover height	H195	758 (29.8)

All linear dimensions are in millimeters (inches).

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Car Line MARK VII

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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	ALL MODELS

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	

Station Wagon — 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	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [$m^3(ft.^3)$]	V2	
Hidden cargo volume [$m^3(ft.^3)$]	V4	

Hatchback — Cargo Space (NOT APPLICABLE)

Front seat back to load floor height	H197	
Cargo length at front seat back height	L208	
Cargo length at floor (front)	L209	
Cargo volume index [$m^3(ft.^3)$]	V3	
Hidden cargo volume [$m^3(ft.^3)$]	V4	

Aerodynamics*

Wheel lip to ground, front		721.3 (28.4)
Wheel lip to ground, rear		713.7 (28.1)
Frontal area		22.3 $Ft.^2$ (a)

* Describe measurement method.

All dimensions are in millimeters (inches).

(a) Includes Two Outside Mirrors

MVMA Specifications Form
Passenger Car

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Car and Body Dimensions See Key Sheets for definitions

Car Line MARK VII

Model Year 1984 Issued 11/83 Revised (•)

Body Type 2-DOOR SEDAN

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location.
1 & 2 Front	The rear vertical edge of the master control notch on the under side of the front door rocker panels locates the "X" coordinate relative to body grid. X = 2495.4 Y = N.A. Z = N.A.
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 and 2.

Fiducial Mark Number		
Front	W21	787.5 (31.0)
	L54	2495.4 (98.2)
	H81	456.0 (18.0)
	H161	--
	H163	--
Rear	W22	796.0 (31.3)
	L55	3300.0 (129.9)
	H82	447.5 (17.6)
	H162	--
	H164	--

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

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Car Line MARK VII

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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	ALL MODELS

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	--
		Lowest	684.5 (26.9)
	Taillamp (H128)	Highest**	782.7 (30.8)
		Lowest	657.2 (25.9)
	Sidemarker	Front	657.1 (25.9)
		Rear	502.2 (19.8)
Distance from C/L of car to center of bulb	Headlamp	Inside	424.5 (16.7)
		Outside**	612.5 (24.1)
	Taillamp	Inside	710.0 (28.2)
		Outside**	721.0 (28.4)
	Directional	Front	381.5(15.1)
		Rear	721.0 (28.4)
Headlamp shape			Aerodynamic Halogen Headlamps

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

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Car Line MARK VII

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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	
5.0L/AOD (BASE)								
MARK VII								
2-Door Sedan 63D	932	712	1644	47	53	17	83	1570
	(2055)	(1570)	(3625)					(3455)
DESIGNER SERIES								
2-Door Bill Blass CV9	949	728.6	1800	47	53	17	83	1600
	(2088)	(1603)	(3691)					(3521)
2-Door Gianni Versace CV5	949	728.6	1800	47	53	17	83	1600
	(2088)	(1603)	(3691)					(3521)
2-Door European Theme (LSC) B8H	941	719.5	1600	47	53	17	83	1583
	(2070)	(1583)	(3653)					(3483)

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

MVMA Specifications Form
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Car Line MARK VII
Model Year 1984 Issued 11/83 Revised (•)

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb.) Front	Rear	Total	Remarks
POWERTRAINS:				
2.4L/TC Diesel w/AOD	-24.5	4.5	-20	Under 5.0L/C.F.I. (Base Engine)
	(-54)	(10)	(-44)	
ENGINE EMISSIONS (5.0L):				
Altitude	0.5	0	0.5	
	(1)	(0)	(1)	
Canada	-1.8	-1.4	-3.2	
	(-4)	(-3)	(-7)	
MISCELLANEOUS OPTIONS:				
Audio Equipment				
Radio - CB	0.9	1.8	2.7	
	(2)	(4)	(6)	
Premium Sound	1.4	1.4	2.7	
	(3)	(3)	(6)	
Garage Door Opener	0.5	0.5	0.9	
	(1)	(1)	(2)	
Auto-Headlamp Dimmer	1.4	0	1.4	
	(3)	(0)	(3)	
Seats-Leather Trim	1.4	0.9	2.3	
	(3)	(2)	(5)	
Sun Roof	9.2	11.8	21.0	
	(20)	(26)	(46)	
Wheel-Aluminum Cast	0.5	0.9	1.4	Simulated Wire - Anti Theft Lug
	(1)	(2)	(3)	
Standard Spare Delete	0	5.0	5.0	
	(0)	(11)	(11)	
Power Decklid	0	0.9	0.9	
	(0)	(2)	(2)	
Manual Vent Window	1.9	0.9	2.8	
	(4)	(2)	(6)	
Decor - LSC	6.8	6.0	12.7	
	(15)	(13)	(28)	
Decor - Versace	15	15	30.0	
	(33)	(33)	(66)	
Decor - Blass	15	15	30.0	
	(33)	(33)	(66)	

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

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Car Line MARK VII

Model Year 1984 Issued 11/83 Revised (*)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
MISCELLANEOUS OPTIONS (Cont'd.):				
Floor Mats - Front	1.4 (3)	0 (0)	1.4 (3)	
Floor Mats - Rear	0 (0)	0.5 (1)	0.5 (1)	
Keyless Entry	0.9 (2)	0.5 (1)	1.4 (3)	
Trailer Tow Class II	6.3 (14)	6.3 (14)	12.6 (28)	
Axle, Locker	0 (0)	3.2 (7)	3.2 (7)	
Tire - P215/70R15 Puncture Sealant	1.4 (3)	1.4 (3)	2.8 (6)	
Fog Lamps	3.2 (7)	-0.5 (-1)	2.7 (6)	

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

MVMA Specifications Form
Passenger Car
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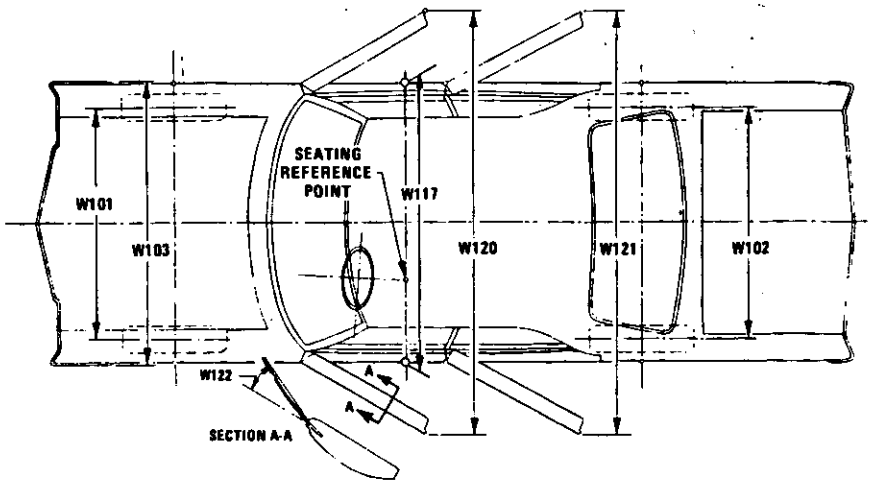
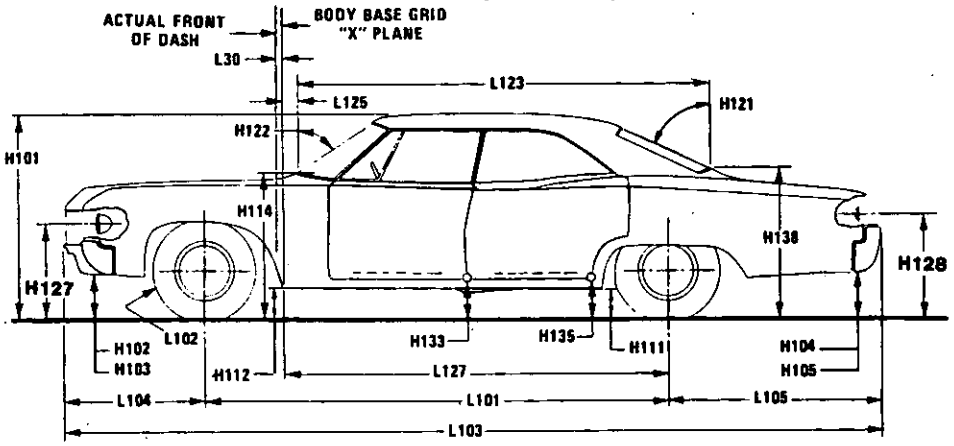
Exterior Car And Body Dimensions — Key Sheet

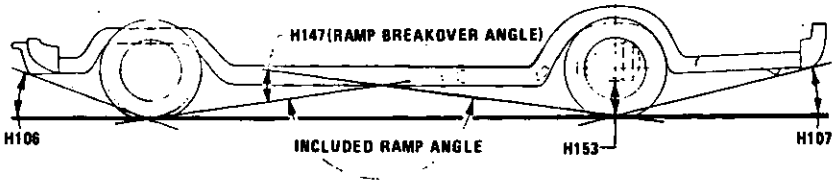
Exterior Width



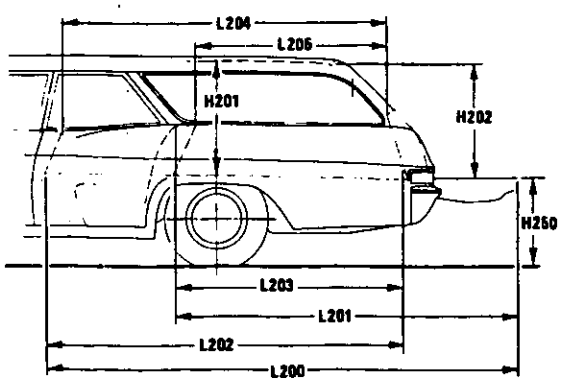
Exterior Length & Height



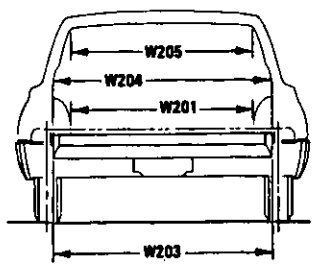
Exterior Ground Clearance

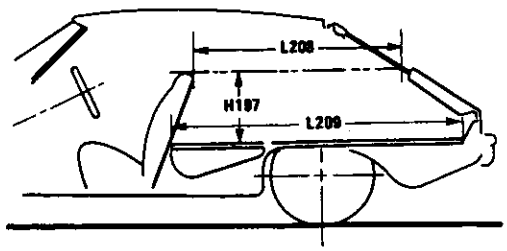


Cargo Space



Station Wagon





Hatchback

MVMA Specifications Form
Passenger Car
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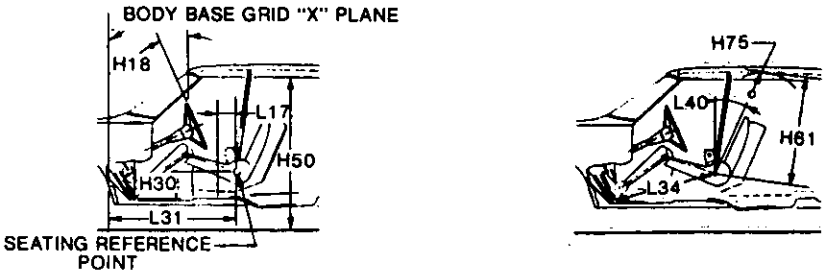
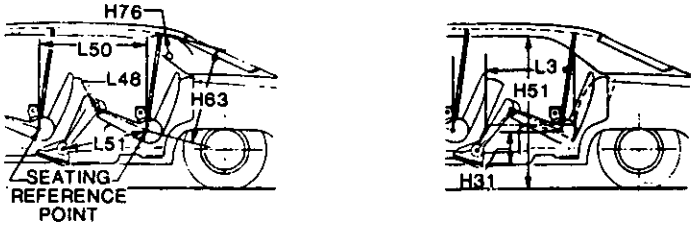
Interior Car And Body Dimensions – Key Sheet

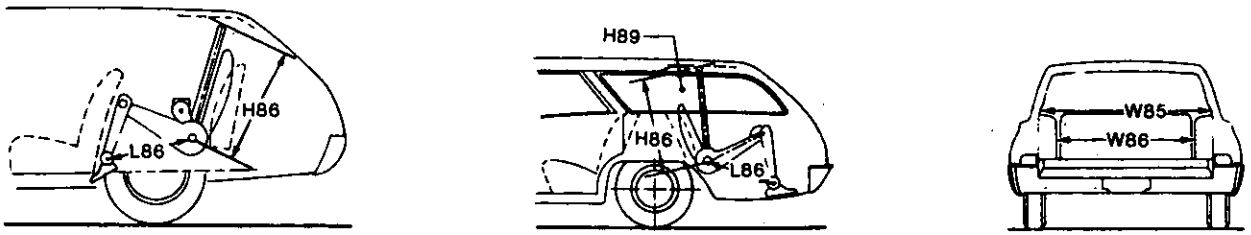
Front Compartment



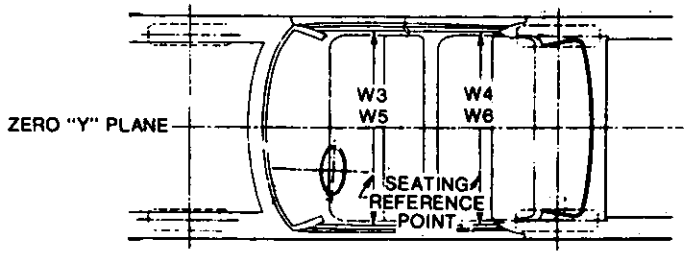
Rear Compartment



Third Seat



Interior Width



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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 position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

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

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 dimensional 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.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet
Dimensions Definitions

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.

H150 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.

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.

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.

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.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet
Dimensions Definitions

Station Wagon — Cargo Space Dimensions

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

L201 CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering 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 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.

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.

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.

V3 HATCHBACK.

Measured in inches:

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

Measured in mm:

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

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