METRIC (U.S. Customary) A

1979 MVMA Specifications Form Passenger Car

Manufacturer	Car Line	
FORD MOTOR COMPANY	CAPRI	
Mailing Address P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Model Year 1979	Issued: September, 1978 Revised (•)

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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 measurement 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 millimetres (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. A printed or computer tape supplement containing 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 (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load--Kilograms (Pounds)
3-Door	61D	2-2	(100)
3-Door Ghia	61H	2-2	(100)

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Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. litres (in³)	Carb.	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N·m (lb. ft.)	Exhaust System*		
All Models	2.3L (140)	2V	9.0	(88) @ 4800	(118) @ 2800	S	Manual 4-Speed (Wide Ratio)	Std. — 3.08:1
							Automatic 3-Speed (C-3)	Std. — 3.08:1
All Models	2.3L (140) Turbo	2V	9.0	N.A.	N.A.	S	Manual 4-Speed (Wide Ratio)	Std. — 3.45:1
All Models	2.8L (170.8)	2V (a)	8.7	(109) @ 4800	(142) @ 2800	S	Automatic 3-Speed (C-3, C-4) (C-4 in California)	Std. — 3.08:1
All Models	5.0L (302)	2V (a)	8.4	(140) @ 3600; (143) @ 3600-Cal.	(250) @ 1800; (243) @ 2200-Cal.	S	Manual 4-Speed Overdrive (b)	Std. — 3.08:1
							Automatic 3-Speed (C-4)	Std. — 2.47:1 (c)

NOTES: A/C uses Std. Ratio
(a) VV (Variable Venturi) Carburetor in Calif.
(b) Not Available in California.
(c) 3.08:1 with Altitude Package.

*S—Single D—Dual

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Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — General

Total dressed engine mass (wt) dry*		177 (391) Man. @, 148 (326) Auto.	190 (418) Man. @
Type (inline, V. Flat)		Inline, OHC	
No. of cylinders		Four	
Bore		3.781	
Stroke		3.126	
Piston Displacement cm^3 (in^3)		2301 (140)	
Bore Spacing (C/L to C/L)		4.173	
Cyl. No. system (front to rear)	L Bank	—	
	R Bank	—	
Firing Order		1-3-4-2	
Cylinder Head Material		Cast Iron	
Cylinder Block Material		Cast Iron	
Cylinder block deck height		8.368 + 0.003	
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle		4°	
Recommended fuel Leaded, unleaded		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$			
Cylinder Head Volume — cm^3		61.3	
Head Gasket Thickness (Compressed)		0.043	N.A.
Head Gasket Volume — cm^3		8.9	N.A.
Deck clearance (minimum) (above or below block)		0.007 (Above)	
Minimum Combustion Chamber Volume — cm^3 (a)		76.9	

Engine — Pistons

Material			Aluminum Alloy with Steel Struts	Aluminum Alloy
Description and finish			Full Skirt Cam Ground	Forged, Full Skirt Cam Machined
Mass, g (weight, oz.)—Piston Only			(17.53 - 17.74)	(18.2)
Clearance (limits)	Top land		0.0295 - 0.0411	0.0375 - 0.0491
	Skirt	Top	0.0014 - 0.0028	0.0019 - 0.0029
		Bottom	0.0000-0.0028	0.0034-0.0042
Ring groove diameter	No. 1 ring		3.352 - 3.362	0.0014-0.0036
	No. 2 ring		3.352 - 3.362	3.352 - 3.362
	No. 3 ring		3.340 - 3 350	3.340 - 3.350

*Dressed engine mass (weight) includes the following: Engine Assembly Except Alternator & Starter.

(a) Total Clearance Volume

@ Includes Clutch Components.

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Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Engine — General

Total dressed engine mass (wt) dry*		196 (433) Man. @, 177 (390) Auto.	180 (397) Man. @, 158 (348) Auto.
Type (inline, V. Flat)		60^{o}V, OHV	90^{o}V, OHV
No. of cylinders		Six	Eight
Bore		3.66	4.00
Stroke		2.70	3.00
Piston Displacement cm^3 (in^3)		(170.8)	(302)
Bore Spacing (C/L to C/L)		4.75	4.38
Cyl. No. system (front to rear)	L Bank	4-5-6	5-6-7-8
	R Bank	1-2-3	1-2-3-4
Firing Order		1-4-2-5-3-6	1-5-4-2-6-3-7-8
Cylinder Head Material		Cast Iron	
Cylinder Block Material		Cast Iron	
Cylinder block deck height		18.08 - 18.09	(8.206)
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle		3^{o} 45'	4^{o} 26'
Recommended fuel Leaded, unleaded		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$			
Cylinder Head Volume — cm^3		43.6	67.5 - 70.5
Head Gasket Thickness (Compressed)		0.046 - 0.053	0.047 (0.063 Calif.)
Head Gasket Volume — cm^3		8.505	10.07 (13.5 Calif.)
Deck clearance (minimum) (above or below block)		0.043 (Below)	0.0005 (Below)
Minimum Combustion Chamber Volume — cm^3 (a)		60.2	78.88

Engine — Pistons

Material			Aluminum Alloy with Steel Struts	Aluminum Alloy
Description and finish			Full Skirt, Cam Ground Lead Coated	Cast, Slipper Skirt Cam Ground, Tin Plate
Mass, g (weight, oz.)—Piston Only			(17.25)	20.56
Clearance (limits)	Top land		0.0218 - 0.0235	0.0344 - 0.0420
	Skirt	Top	0.0020 - 0.0036	0.0018 - 0.0026 (b)
		Bottom	0.0009 - 0.0021	—
Ring groove diameter	No. 1 ring		3.282 - 3.274	3.548 - 3.558
	No. 2 ring		3.282 - 3.274	3.548 - 3.558
	No. 3 ring		3.286 - 3.278	3.592 - 3.602

*Dressed engine mass (weight) includes the following: ENGINE ASSEMBLY EXCEPT ALTERNATOR AND STARTER.

(a) Total Clearance Volume.

(b) At Centerline & 90^{o} to Axis of Pin Hole.

@ Includes Clutch Components.

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Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.		Compression	
	No. 2, oil or comp.		Compression	
	No. 3, oil or comp.		Oil Control	
Compression	Description— Material, coating, etc.	#1	Cast Iron, Moly. Coated	Nodular Iron, Moly. Coated
		#2	Cast Iron, Scraper Groove Oxide Coat	Cast Iron, Taper Face Chrome Plate
	Width		0.078 - 0.077	
	Gap		0.010 - 0.020	
Oil	Description— material, coating, etc.		Two Rails and One Spacer - Expander, Rails: Chrome - Plated Spring Steel. Spacer - Expander: (SAE 30201) B.S. 1449 (1956)	
	Width		0.023 - 0.025 (Rails) 0.177 -(b)	
	Gap (Rails Only)		0.010 - 0.035	
Expanders			Part of Oil Ring Assembly	

Engine — Piston Pins

Material			SAE - 1016 or 5115 H.T.	
Length			3.010 - 3.040	
Diameter			0.9119 - 0.9124	
Type	Locked in rod, in piston, floating, etc.		Press Fit in Rod	
	Bushing	In rod or piston	None	
		Material	—	
Clearance	In piston		0.0002 - 0.0004	0.0003 - 0.0005
	In rod		0.0007 - 0.0016 Press Fit	
Direction & amount offset in piston			Right 0.060	Right 0.040

Engine — Connecting Rods

Material			Forged Steel SAE - 1041 - H or SAE - 1541-H
Mass, g (weight, oz.)			(22.08 - 22.64)
Length (center to center)			5.2031 - 5.2063
Bearing	Material & Type (a)		Plated Copper - Lead on Steel Back
	Overall length		0.790 - 0.800
	Clearance (limits)		0.0008 - 0.0024
	End Play		0.0035 - 0.0105

(a) Replaceable Inserts

(b) 0.182 (Expander).

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Engine Description/Carb.	2.8L-2V (170.8 CID)

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil Control
Compression	Description— Material, coating, etc. #1	Cast Iron, Chrome Plated
	#2	Cast Iron, Scraper Groove*
	Width	0.07835 - 0.0778 (a)
	Gap	0.015 - 0.0229
Oil	Description— material, coating, etc.	Two Rails and One Spacer-Expander. Rails: Chrome Plated Spring Steel. Spacer-Expander: (SAE 30201) B.S. 1449 (1956)
	Width	0.023 - 0.025 (Rails 0.177 - 0.182 (Expander)
	Gap (Rails Only)	0.016 - 0.055
Expanders		Part of Oil Ring Assembly

Engine — Piston Pins

Material			B.S. 970/EN-206
Length			2.868 - 2.837
Diameter			0.9446 - 0.9448
Type	Locked in rod, in piston, floating, etc.		Press Fit in Rod
	Bushing	In rod or piston	None
		Material	—
Clearance	In piston		0.0003 - 0.0006
	In rod		0.0007 - 0.0015 Interf.
Direction & amount offset in piston			Right 0.032

Engine — Connecting Rods

Material		Forged Steel SAE - 1041-H
Mass, g (weight, oz.)		(17.88)
Length (center to center)		5.142 - 5.139
Bearing	Material & Type (b)	Unplated Copper Lead on Steel Back
	Overall length	0.649 - 0.639
	Clearance (limits)	0.0006 - 0.0021
	End Play	0.004 - 0.011

* Phosphate Coat
** Phosphate Coat Taper Face
(a) 170.8 CID #2 Ring: 0.0980 - 0.0976
(b) Replaceable Inserts

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Engine Description/Carb.	5.0L (302 CID)

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.		Compression
	No. 2, oil or comp.		Compression
	No. 3, oil or comp.		Oil Control
Compression	Description— Material, coating, etc.	#1	Cast Iron, Barrel Face, Moly Coated
		#2	Cast Iron Scraper-Groove**
	Width		0.078 - 0.077
	Gap		0.010 - 0.020
Oil	Description— material, coating, etc.		Spacer-Expander (SAE 1070) Steel (AISI-C-1075)
	Width		0.148 - 0.156
	Gap		0.015 - 0.055
Expanders			

Engine — Piston Pins

Material			SAE - 5015 H.T.
Length			3.040 - 3.010
Diameter			0.9124 - 0.9119
Type	Locked in rod, in piston, floating, etc.		
	Bushing	In rod or piston	
		Material	
Clearance	In piston		0.0002 - 0.0004
	In rod		0.0007 - 0.0020 P.F.
Direction & amount offset in piston			Right 0.0625

Engine — Connecting Rods

Material		Forged Steel SAE - 1541-H or SAE - 1151-M
Mass, g (weight, oz.)		(19.64 - 20.07)
Length (center to center)		5.088 - 5.095
Bearing	Material & Type (b)	Aluminum Tin Plated
	Overall length	0.726 - 0.706
	Clearance (limits)	0.0007 - 0.0020
	End Play	0.010 - 0.020 Two Rods

** Phosphate Coat, Taper Face

(b) Replaceable Inserts

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Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — Crankshaft

Material Nodular Iron				ESE-M1A172-A
Vibration damper type				None
End thrust taken by bearing (No.)				Three
Crankshaft end play				0.004 - 0.008
Main bearing	Material & type (a)			Plated Copper Lead on Steel Back
	Clearance			0.0008 - 0.0026
	Journal dia. and bearing overal length	No. 1		2.3990 x .945
		No. 2		2.3990 x .945
		No. 3		2.3990 x 1.194
		No. 4		2.3990 x .945
		No. 5		2.3990 x .945
		No. 6		—
		No. 7		—
	Dir. & amt. cyl. offset			None
	No. bolts/main brg. cap			2
Crankpin journal diameter				2.0472

Engine — Camshaft

Location				Cylinder Head
Material				ESE-M1A-117-B Hardenable Iron
Bearings	Material (b)			Aluminum Alloy
	Number			Four
Type of Drive	Gear, chain or belt			Belt, Cogged, Gilmer
	Crankshaft gear or sprocket material			Sintered Iron
	Camshaft gear or sprocket material			Sintered Iron or Cast Iron
	Timing chain	No. of links		Neoprene (c) 129 Teeth
	Chain or Belt	Width		0.86 - 0.90
		Pitch		0.375

(a) Replaceable Inserts
(b) Steel Backed, Replaceable Inserts
(c) Glass Reinforced, Nylon Fabric Faced

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Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Engine — Crankshaft

Material			S-MIA-4525-A	Nodular Cast Iron Alloy. Precision Molded
Vibration damper type			Tuned Elastic Suspended Inertia Member	
End thrust taken by bearing (No.)			Three	
Crankshaft end play			0.004 - 0.008	
Main bearing	Material & type (a)		Aluminum Alloy on Steel Back	Plated Copper-Lead Alloy on Steel Back
	Clearance		0.0006 - 0.0019	0.0001 - 0.0020 #1 (c)
	Journal dia. and bearing overal length	No. 1	2.2437 x .844	2.2486 x 880
		No. 2	2.2437 x .844	2.2486 x .880
		No. 3	2.2437 x 1.034	2.2486 x 1.132
		No. 4	2.2437 x .844	2.2486 x .880
		No. 5	—	2.2486 x .880
		No. 6	—	
		No. 7		
	Dir. & amt. cyl. offset		None	R.B. Leads 0.84
	No. bolts/main brg. cap		2	
Crankpin journal diameter			2.1252 - 2.1260	2.1236 - 2.1228

Engine — Camshaft

Location			In Cylinder Block	
Material			GES-MIA-117-A Hardenable Iron	Alloy Iron, Precision Molded Induction Hardened (d)
Bearings	Material		SAE 15 Alloy	Lead Base Babbit
	Number		Four	Five
Type of Drive	Gear, chain or belt		Gear	Chain
	Crankshaft gear or sprocket material		Type FFF Nach SK-3517	Sintered Iron (Steel Optional)
	Camshaft gear or sprocket material		Hub: Cast Iron "B" Teeth: 6.6 Polyamid (b)	Aluminum Body (Die Cast) with Molded Nylon Teeth
	Timing chain	No. of links	—	58
	Chain or Belt	Width	—	0.726 - 0.750
		Pitch	—	0.375

(a) Replaceable Inserts
(b) (SSM-4D 900-AA) Heat Stabilized
(c) Phosphate Coated 0.0005 - 0.0023 #2 through #5
(d) Phosphate Coated

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Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			Ford Free Turn Intake and Exhaust	
Push rods (dia., length, material)			—	
Rocker ratio			1.4 :1 to 1.6:1	
Operating tappet clearance (indicate hot or cold	Intake		Zero	
	Exhaust		Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)	22	
		Closes (°ABC)	66	
		Duration (deg.)	268	
	Exhaust	Opens (°BBC)	64	
		Closes (°ATC)	24	
		Duration (deg.)	268	
	Valve open overlap (deg.)		46	
Intake Valve	Material		SAE-1547 Steel Alum. Hd.	Silicon Chromium Steel
	Overall length		4.787	
	Actual overall head dia.		1.735	
	Angle of seat & face (deg.)		Seat 44° 30' to 45° 00; Face 45° 30' to 45° 45'	
	Seat insert material		None	
	Stem diameter		0.3423 - 0.3416	
	Stem to guide clearance		0.001 - 0.0027	
	Lift (at zero lash)		0.400	
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	316 - 351 @ 39.6 (71-79 @ 1.56)	
		Valve open—N at mm (lb. at in)	707 - 778 @ 29.5 (159 - 175 @ 1.16)	
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	None	
		Valve open—N at mm (lb. at in.)	None	
Exhaust Valve	Material		Austenitic Steel (21-2N) Alum. Hd	Chromium, Nickel Base Alloy
	Overall length		4.807	
	Actual overall head dia.		1.500	
	Angle of seat & face (deg.)		Seat 44° 30' to 45°00; Face 45° 30' to 45° 45'	
	Seat insert material		None	
	Stem diameter		0.3418 - 0.3411	
	Stem to guide clearance		0.0015 - 0.0032	
	Lift (at zero lash)		0.400	
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	316 - 351 @ 39.6 (71 - 79 @ 1.56)	
		Valve open—N at mm (lb. at in.)	707 - 778 @ 29.5 (159 - 175 @ 1.16)	
	Inner spring press. & length	Valve closed—N at mm (lb. at in)	None	
		Valve open—N at mm (lb. at in.)	None	

Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Not Available	Standard
Valve rotator, type (intake, exhaust)			None	Positive on Exhaust (Two Piece on Intake
Push rods (dia., length, material)			—	0.31 x 6.88 Steel
Rocker ratio			1.46:1	1.58:1
Operating tappet clearance (indicate hot or cold	Intake		0.014 Cold Between Valve & Rocker Foot	Zero (0.071 - 0.171)
	Exhaust		0.016 Cold Between Valve & Rocker Foot	Zero (0.071 - 0.171)
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28	16
		Closes (°ABC)	66	48
		Duration (deg.)	274	244
	Exhaust	Opens (°BBC)	68	57
		Closes (°ATC)	26	19
		Duration (deg.)	274	256
	Valve open overlap (deg.)		54	35
Intake Valve	Material		CK45DIN 17200	SAE 1547 Steel
	Overall length		4.157	5.07
	Actual overall head dia.		1.5695	1.78 - 1.773
	Angle of seat & face (deg.)		Seat 44° 30' to 45°00; Face 45° 30' to 45° 45'	
	Seat insert material		None	
	Stem diameter		0.3167 - 0.3157	.34
	Stem to guide clearance		0.0008 - 0.0025	0.0010 - 0.0027
	Lift (at zero lash)		0.373	.375
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	(60-68 @ 1.585)	(80 @ 1.7)
		Valve open—N at mm (lb. at in)	(138 - 149 @ 1.222)	200 @ 1.3)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	None	
		Valve open—N at mm (lb. at in.)	None	
Exhaust Valve	Material (a)		HD: 21 - 4N (Stem x 45)	Cast Austenitic Steel
	Overall length		4.161	4.99 Plus .06 Cap
	Actual overall head dia.		1.2685	1.45
	Angle of seat & face (deg.)		Seat 44° 30' to 45°00; Face (b)	Seat 44° to 45°00; Face 45°
	Seat insert material		None	
	Stem diameter		0.3156 - 0.3149	0.3418 - 0.3441
	Stem to guide clearance		0.0018 - 0.0035	0.0015 - 0.0032
	Lift (at zero lash)		0.373	.391
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	(60 - 68 @ 1.585)	(76 - 84 @ 1.60)
		Valve open—N at mm (lb. at in.)	(138 - 149 @ 1.222)	(190 - 210 @ 1.20)
	Inner spring press. & length	Valve closed—N at mm (lb. at in)	None	
		Valve open—N at mm (lb. at in.)	None	

(a) Aluminized Heads

(b) 45° 30' to 45° 45'

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Engine Description/Carb.		2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Oil Mist & Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	None	
	Cylinder walls	Timed Pressure Stream & Splash	
Oil pump type		Rotor	
Normal oil pressure - kPa (lb.) at engine rpm		(50 PSI @ 2000 rpm)	(55 PSI @ 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.)		(4.0)+(1.0)for Filter	(4.5)+(1.0)for Filter
Oil grade recommended (SAE viscosity and temperature range)		*	
Engine service reqmt. (SD, SE, etc.)		SE (Ford Specification ESS-M2C-101-C)	

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single	Single with Dual Outlet
Muffler No. & Type (reverse flow, straight thru, separate resonator)		1, Reverse Flow	
Resonator No. & type		—	2 (Dual Eliminator) Direct Flow
Exhaust Pipe	Branch O.D., wall thickness	—	—
	Main O.D., wall thickness	2.00 x 0.069 Solid	2.25 x 0.069 Solid
	Material	L.C. Steel for Outer Tubes,	Aluminized Steel for Solid & Inner Tubes
Intermediate Pipe	O.D. & wall thickness (a)	—	2.25 x 0.069 Solid
	Material	—	Aluminized Steel
Tail Pipe	O.D. & wall thickness	2.00 x .069 Solid	2.50 x 0.054 Dual
	Material	Aluminized Steel	Chrome Plated L.C. Steel

* Multi - Viscosity
+10°F & above - SAE 20W40
-10°F to +90°F - SAE 10W40
-10°F to +90°F - SAE 10W30
-32°F to 32°F - SAE 5W30

Single Viscosity
+60°F & above - SAE 40
+32°F to +90°F - SAE 30
+10°F to 60°F - SAE 20-20W
-10°F to +32°F - SAE 10-10W

(a) Inlet Pipe (Non Turbo): 2.00 x 0.069 Solid for Muffler Inlet; L.C. Steel (For Tubular Steel Manifold)
1.75 x 0.069 Solid, L.C. Steel (For Cast Steel Manifold)
Inlet Pipe (Turbo): 1.75 x 0.069 Solid Stainless Steel (For Tubular Steel Manifold)
2.25 x 0.069 Solid L.C. Steel (For Cast Steel Manifold)

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Oil Mist & Splash	Oil Mist & Spray
	Camshaft bearings	Pressure	
	Tappets	Splash & Drainback	Pressure
	Timing gear or chain	Metered Stream	Splash
	Cylinder walls	Timed Pressure Stream (a)	Oil Mist & Splash
Oil pump type		Rotor	
Normal oil pressure - kPa (lb.) at engine rpm		(40 - 55 PSI) @ 1500	(40 - 60 PSI) @ 2000 rpm
Type oil intake (floating, stationary)		Stationary Shrouded Screen in Sump	
Oil filter system (full flow, part, other)		Fluid Flow	
Capacity of c/case, less filter-refill-L (qt.)		(4.5 + 0.5 for filter)	(4 + 1 for filter)
Oil grade recommended (SAE viscosity and temperature range)		*	
Engine service reqmt. (SD, SE, etc.)		SE (Ford Specification ESS-(b)	SE (Ford Specification ESE-M2C-144-A)

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single	
Muffler No. & Type (reverse flow, straight thru, separate resonator)		1, Reverse Flow	
Resonator No. & type		1, Reverse Flow	None
Exhaust Pipe	Branch O.D., wall thickness	1.75 x 0.076 Lam.	2.25 x 0.076 Lam.
	Main O.D., wall thickness	2.00 x 0.069 Solid	2.25 x 0.069 Solid
	Material	L.C. Steel for Outer Tubes (c)	Cold Rolled Steel
Intermediate Pipe	O.D. & wall thickness	2.25 x 0.069 Solid	2.25 x 0.069 Solid
	Material	Aluminized Steel	Aluminized Steel
Tail Pipe	O.D. & wall thickness	2.25 x 0.054 Solid	2.50 x 0.054 Dual
	Material	Aluminized Steel	Chrome Plated L.C. Steel

* Multi - Viscosity:
+10°F & above - SAE 20W40
-10°F to +90°F - SAE 10W40
-10°F to 90°F - SAE 10W30
-32°F to +32°F - SAE 5W30

Single Viscosity:
+60°F & above - SAE 40
+32°F to 90°F - SAE 30
-10°F to +32°F - SAE 20-20W

(a) and Splash
(b) M2C-101-C)
(c) Al. Steel for Solid & Inner Tubes

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — Fuel System (See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor or (Downdraft)	
Fuel Tank	Refill capacity—L (U.S. gals.)		43.5 (11.5) (a) Approximate	47.3 (12.5) Approximate
	Filler location		Right Rear Side	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Left Side of Engine	
	Pressure range—kPa (psi)		(5.5 - 6.5 PSI)	(6.5 - 7.5 PSI)
Fuel Filter	Type (Series 2 reqd.		#1 Poly-Chloride Cloth; #2 Nylon or Monel Cloth	
	Locations		#1 Serviceable Fuel Tank; #2 in Fuel Line at Carburetor	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Water	
	Air cleaner type	Standard	Dry Replaceable Element & Hot & Cold Air Supply	
		Optional	None	
	Idle spd.-rpm (spec. neutral or drive)	Manual	850 (Neutral)	900 (Neutral)
		Automatic	800 (750 - Cal.)	N.A.
	Idle A/F mix.			

(a) 47.3 (12.5 gal.) 2.3L with A/C

Carburetor Supplementary Information

Model Usage	Piston Displ. —L (in.³)	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
2.3L-2V (140 CID)						
All (49 States)	2.3L	Manual	Holley-Weber	D9BE-AAA/ ADA	One 2V	1.564
(California)	2.3L	Manual	Holley-Weber	D9BE-ABA/ ACA	One 2V	1.564
All (49 States)	2.3L	Automatic	Holley-Weber	D9EE-ANA/ APA	One 2V	1.564
(California)	2.3L	Automatic	Holley-Weber	D9ZE-BCA/ BDA	One 2V	1.564
2.3L-2V (140 CID) TURBO						
All (49 States)	2.3L	Manual	Holley-Weber	D9ZE-MD/ ND	One 2V	1.564
(California)	2.3L	Manual	Holley-Weber	D9ZE-SB/ TB	One 2V	1.564

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.			2.8L-2V (170.8 CID)	5.0L (302 CID)

Engine — Fuel System (See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor (Downdraft)	
Fuel Tank	Refill capacity—L (U.S. gals.)		46.2 (12.2) Approximate	46.2 (12.2) Approximate
	Filler location		Right Rear Side	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Left Side of Engine	
	Pressure range—kPa (psi)		(3.5 - 5.8 PSI)	(5.5 - 6.5 PSI)
Fuel Filter	Type (Series 2 req'd.)		#1 Poly. Chloride Cloth; #2 Nylon or Monel Cloth	
	Locations		#1 Serviceable Fuel Tank; #2 In Fuel Line at Carburetor	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Exhaust Heat - Crossover	Exhaust
	Air cleaner type	Standard	Dry Replaceable Element & Hot & Cold Air Supply	
		Optional	None	
	Idle spd.-rpm (spec. neutral or drive)	Manual	—	800 (Neutral)
		Automatic	650 (600 Calif.)	600 (Drive)
	Idle A/F mix.		—	

Carburetor Supplementary Information

Model Usage	Piston Displ. —L (in.³)	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
All (49 States)	2.8L	Automatic	Ford 2150	D9YE-BB	One 2V	1.564
(49 States - A/C)	2.8L	Automatic	Ford 2150	D9YE-AB	One 2V	1.564
All (California)	2.8L	Automatic	Motorcraft 2700	D9ZE-LB	One 2V	1.564
All (Altitude)	5.0L	Automatic	Ford 2150	D9ZE-BGA	One 2V	1.564
All (Altitude - A/C)	5.0L	Automatic	Ford 2150	D9ZE-BFA	One 2V	1.564
All (49 States)	5.0L	Manual	Ford 2150	D9BE-YB	One 2V	1.564
All (49 States - A/C)	5.0L	Manual	Ford 2150	D9BE-VB	One 2V	1.564
All (49 States)	5.0L	Automatic	Ford 2150	D9DE-SA	One 2V	1.564
All (49 States - A/C)	5.0L	Automatic	Ford 2150	D9DE-RB	One 2V	1.564
All (California A/C)	5.0L	Automatic	Motorcraft 2700	D9ZE-AZB	One VV	1.564
All (California)	5.0L	Automatic	Motorcraft 2700	D9ZE-BEA	One VV	1.564

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Engine — Cooling System

Coolant recovery system (std., opt., none)			Pressure	
Radiator cap relief valve pressure—kPa (psi)			(12-16 PSI)	
Circulation thermostat	Type (choke, bypass)		By-Pass	
	Starts to open at °C (°F)		87°C - 91°C (188°F - 195°F)	
Water pump	Type (centrifugal, other)		Centrifugal - Vane	
	GPM 1000 pump rpm		13.1	
	Number of pumps		One	
	Drive (V-belt, other)		V-Belt	
	Bearing type		Double Row, Sealed, Ball and Roller (3/4")	
By-pass recirculation type (inter., ext.)			Internal	
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)			Downflow - Tube and Slit Fin	
Cooling System Capacity	With heater—L (qt.)		8.1 (8.6)	9.7 (10.2)
	Without heater—L (qt.)		7.4 (7.8)	N.A.
	Opt. equipment-specify—L (qt.)		9.5 (10.0) with A/C	9.7 (10.2) with A/C
Water jackets full length of cyl. (yes, no)			Yes	
Water all around cylinder (yes, no)			Yes	
Radiator hose	Lower	Number and type (molded, straight)	One-Molded	
		Inside diameter	32 (1.25) at Radiator 38 (1.50) at Water Pump	
	Upper	Number and type (molded, straight)	One-Molded	
		Inside diameter	32 (1.25) at Radiator 30 (1.18) at Water-Connection	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter	—	
Radiator	Standard	Width	438 (17.24)	622 (24.5)
		Height	418 (16.44)	452 (17.8)
		Thickness	32 (1.27)	38 (1.49)
	A/C	Width	622 (24.5)	622 (24.5)
		Height	452 (17.84)	452 (17.8)
		Thickness	21 (0.81)	38 (1.49)
	Heavy duty	Width	N.A.	
		Height		
		Thickness		
Fan (Standard)	Number of blades & spacing		4 Uneven	
	Diameter		406 x 35 (16.00 x 1.38)	
	Ratio—fan to crankshaft rev.		1.05:1	1.05:1, 0.96:1 for A/C
	Fan cutout type		None	
Fan (optional) (A/C)	No. of blades and spacing		5 Uneven	
	Diameter		419 x 46 (16.50 x 1.80)	
	Ratio—fan to crankshaft rev.		1.05:1	
	Fan cut-out type		Flex Blade	

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Engine — Cooling System

Coolant recovery system (std., opt., none)			Pressure	Standard
Radiator cap relief valve pressure—kPa (psi)			(12-16 PSI)	(14-18 PSI)
Circulation thermostat	Type (choke, bypass)		Controlled By-Pass-Poppet	Choke-Poppet or Sleeve Valve
	Starts to open at °C (°F)		(191°F - 198°F)	(188°F - 195°F)
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm		13.1	10.0
	Number of pumps		One	
	Drive (V-belt, other)		V-Belt	Serpentine
	Bearing type		Double Row, Sealed, Bail (a)	Double Row, Sealed, Ball & Ball (3/4")
By-pass recirculation type (inter., ext.)			External (By-Pass Plus Choke)	External
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)			Downflow-Tube & Slit Fin	Crossflow-Tube & Slit Fin
Cooling System Capacity	With heater—L (qt.)		(9.2)(Automatic)	(13.9)
	Without heater—L (qt.)		(7.4) (Automatic)	(13.1)
	Opt. equipment-specify—L (qt.)		(9.2) with A/C	(14.2) with A/C
Water jackets full length of cyl. (yes, no)			Yes	
Water all around cylinder (yes, no)			Yes	
Radiator hose	Lower	Number and type (molded, straight)	One-Molded	
		Inside diameter	1.25	1.50 at Radiator 1.75 at Water Pump
	Upper	Number and type (molded, straight)	One, Molded	One, Molded
		Inside diameter	1.25	1.25 at Radiator, 1.50 at engine coolant outlet
	By-pass	Number and type (molded, straight)	One-Molded	
		Inside diameter	By-Pass, .95 one end, .79 other	0.615
Radiator	Standard	Width	20.24	28.0
		Height	17.38	17.84
		Thickness	1.27	.81
	A/C	Width	19.64	28.0
		Height	15.50	17.84
		Thickness	1.95	1.49
	Heavy duty	Width	19.64	—
		Height	15.50	—
		Thickness	1.95	—
Fan (Standard)	Number of blades & spacing		4 Uneven	
	Diameter		16.00 x 1.38	18.5
	Ratio—fan to crankshaft rev.		1.05:1	0.96:1
	Fan cutout type		None	
Fan (optional) (A/C)	No. of blades and spacing		5 Uneven	
	Diameter		17.06 x 1.89	18.5
	Ratio—fan to crankshaft rev.		1.15:1	1.08:1
	Fan cut-out type		Flex Blade	

(a) and Roller (5/8")

MVMA Specifications Form
Passenger Car

Car Line CAPRI

Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Vehicle Emission Control

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Vehicle, Engine Carburetor and Distributor Modifications Plus Exhaust Gas Recirculation and Air Injection (a)	
	Air Injection Pump	Type	Vane Type, Constant Displacement	
		Displacement—cm^3 (in^3)	311 (19)	
		Drive ratio	0.95:1	
		Drive type	Belt	
		Relief valve (type)	None	
		Filter (describe)	Centrifugal	
	Air Injection System	Air distribution (head, manifold, etc.)	Passages in Cylinder Hd. & Exhaust Man.	
		Point of entry	Exhaust Port in Cylinder Head (3 Port all COC; 4-Port TWC)	
		Injection tube i.d. (Drilled)	0.34	
		Check valve type	Diaphragm	
		Backfire protection (type)	Check Valve	
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled Flow	
		Valve type	Vacuum Operated	Vacuum Operated Poppet
		Valve location	Carb. Spacer	Intake Manifold
		Control energy source	Transducer (b)	Carburetor Port
		Exhaust source	External Tube	
		Exhaust cooler type	None	
		Orifice no. and size	None - Tapered Stem One (c)	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Carb. Spacer	Intake Manifold
	Catalytic Converter System	Catalyst Type	Monolith	
		Catalyst Volume—L (in^3)	(95) 49S; (150) Calif.	1.51 (92) [49S]; 1.51 (92) + 0.72 (44) LOC [Calif.]
		Substrate type	Monolith	
		Container location	Under floor, Under Inboard of Front Seat	Under Floor, Floorboard & Toeboard
	Other Exhaust Gas Catalytic Conversion System	No. of Converters Per Vehicle	One	One (49S); Two (Calif.)
		Converter Size	95 $in.^3$ (49S) 150 $in.^3$ (Calif.)	92 $in.^3$ (49S); 92 $in.^3$ + 44 $in.^3$ (Calif.)

(a) Air Injection Not Used on 2.3L with Automatic Transmission (49S).
(b) California Manual Transmission Only — All Others Use Carburetor Port Vacuum.
(c) To Suit Calibration.

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Engine Description/Carb.	2.3L-2V (140 CID)	5.0L (302)

Vehicle Emission Control

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Vehicle Engine Carburetor and Distributor Modifications Plus Exhaust Gas Recirculation and Air Injection (a)	
	Air Injection Pump	Type	Vane Type, Constant Displacement	
		Displacement—cm^3 (in^3)	(19)	
		Drive ratio	0.95:1	1.36:1
		Drive type	Belt	Belt-Serpentine
		Relief valve (type)	None	
		Filter (describe)	Centrifugal	
	Air Injection System	Air distribution (head, manifold, etc.)	Passages in Cyl. Hd & Exh. Man.	Cylinder Head
		Point of entry	Exhaust Port in Cylinder Head	Multiple
		Injection tube i.d. (drilled)	0.315	0.25
		Check valve type	Diaphragm	
		Backfire protection (type)	Check Valve	By-Pass Valve (Anti Backfire Valve for M/T)
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled Flow	
		Valve type	Poppet	Poppet or Tapered Stem (a)
		Valve location	Carb. Spacer	Intake Manifold
		Control energy source	(b)	(c)
		Exhaust source	Intake Man. Crossover	
		Exhaust cooler type	None	
		Orifice no. and size	None-Tapered Stem One - (c)	(c)
		Point of exhaust injection (spacer, carburetor, manifold, other)	Carburetor Spacer	Intake Manifold
	Catalytic Converter System	Catalyst Type	Monolith	Oxidation (COC)
		Catalyst Volume—L (in^3)	(95 cu. in.)-49S; (160cu. in.)(d)	(92 cu. in.)-49S; (160 cu. in.)Cal.
		Substrate type	Monolith	Ceramic
		Container location	Under Floor, Under Inboard Side of Front Seat	
	Other	No. of converters Per Vehicle	One	

(a) Components vary according to Engine Calibration
(b) 49 State - Carburetor Port Vacuum, California - Back Pressure.
(c) To Suit Calibration
(d) California

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	Standard	Induction System (Closed System)		
		Optional	None		
	Control Unit	Make and model 6C317	Ford D8EE-AA (a)	Ford D8DE-AA	
		Location	Left Side Crankcase Rocker Cover		
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum	Carb. Plenum Vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable Orifice		
	Complete System	Discharges (to intake manifold, other)	Carb. Spacer	Intake Manifold	
		Air inlet (breather cap, other)	Carb. Air Cleaner		
		Flame arrestor (screen, other)	Emission Valve & Air (b)	Emission Valve & Breather(c)	
Evaporative Emission Control	Fuel Tank	Thermal expansion volume—dm^3 (ft^3)	N. A.		
		Relief Pressure kPa (psi) and location	11.0 (1.6) Min.; Orifice Assembly Tank Plus Valve in Filler Cap		
		Vacuum relief kPa (psi) and location	3.5 (0.50) Max.; Orifice Assembly in Tank Plus Valve in Filler Cap		
		Vapor-liquid separator type	Orifice Assembly and Float Valve in Top of Fuel Tank		
		Vapor vented to (crankcase, canister, other)	Carbon Canister		
	Carburetor	Vapor vented to (crankcase, canister, other)	Externally Vented to Carbon Canister		
			Internally Vented to Air Cleaner		
	Vapor Storage	Storage provision (crankcase, canister, other)	Carbon Canister		
		Volume—dm^3 (ft^3) or capacity (grams) (Milliliter)	925		
		Control valve type	Purge Valve		

(a) D8EE-BA 49 States Manual Transmission.
(b) Cleaner Filter
(c) Cap

MVMA Specifications Form
Passenger Car

Car Line CAPRI

Model Year 1979 Issued 9-78 Revised (•)

Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	Standard		Induction System (Closed System)	
		Optional		None	
	Control Unit	Make and model 60317		D8ZE-AA	6B890(a)
		Location		Left Side Crankcase Rocker Cover	
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
		Control method (variable orifice, fixed orifice, other)		Variable Orifice	
	Complete System	Discharges (to intake manifold, other)		Carburetor Spacer	Intake Manifold
		Air inlet (breather cap, other)		Carburetor Air Cleaner	
		Flame arrestor (screen, other)		Emission Valve and Air Cleaner Filter	
Evaporative Emission Control	Fuel Tank	Thermal expansion volume—dm^3 (ft^3)		(0.1)	(0.25)
		Relief Pressure kPa (psi) and location		11.0 (1.6) Min.; Orifice Assembly in Tank Plus Valve in Filler Cap	
		Vacuum relief kPa (psi) and location		3.5 (0.5) Max.; Orifice Assembly in Tank Plus Valve in Filler Cap.	
		Vapor-liquid separator type		Orifice Assembly and Float Valve in Top of Fuel Tank.	
		Vapor vented to (crankcase, canister, other)		Carbon Canister	
	Carburetor	Vapor vented to (crankcase, canister, other)		Externally Vented to Carbon Canister	
				Internally Vented to Air Cleaner	
	Vapor Storage	Storage provision (crankcase, canister, other)			
		Volume—dm^3 (ft^3) or capacity (grams) (Millilter)		925	
		Control valve type		Purge Valve	

(a) 49 States & Cal. (A/T) uses EV #68,
49 States M/T uses EV #98.

MVMA Specifications Form
Passenger Car

Car Line CAPRI

Model Year 1979 Issued 9-78 Revised (•)

Engine Description/Carb.	2.3L-2V (140 CID)	2.8L-2V (170.8 CID)	5.0L (302 CID)

Electrical — Supply System

Battery	Make and Model -10655-		Motorcraft D8BF-BA	D8BF-BA	D8BF-AA
	Voltage Rtg.—V— & Total Plates		12 Volt - 66 Plates	12 Volt - 66 Plates	12 Volt - 54 Plates
	SAE Designation No. and/or capacity		45 A.H.	45 A.H.	36 A.H.
	Location		Right — Front Corner of Engine Compartment		
Generator or Alternator	Make		Motorcraft (40 Amp Std.)		
	Model -10300- (a)		D8ZF-AA (40A)	D8ZF-AA (40A)	D9ZF-AA (60A)
	Type and rating		3- Phase, Full Wave Bridge Rectified, Self-Limiting		
	Output at engine idle (neutral) A				
	Ratio—Gen. to Cr/s rev.		2.31	2.16:1	3.00:1
Regulator	Make		Motocraft		
	Model		D8VF-AA		
	Type		Electronic		
	Regulated	Voltage	13.8-14.6 @ 50°-125°F		
		Current A	Not Applicable		
	Voltage test conditions	Temperature—°C (°F)	(75°F)		
		Load A	5 Amps		
		Other	—		

Electrical — Starting System

Starting Motor	Make			Motorcraft		
	Model -11001-			D8EF-AA (Man. &Auto.)	D8ZF-AA(Auto.)	D8OF-AA
Motor Drive	Engagement Type			Positive (Electro-Mechanical)		
	Pinion engages from (front, rear)			Front		
	Number of teeth	Pinion		9		
		Flywheel	Manual	132		157
			Auto	135	138	164

(a) Base Requirements; for Complete Application, See Page 12A.

ALTERNATOR APPLICATIONS

49 STATES ENGINE	NON A/C ALTERNATOR RATING	DRIVE RATIO	A/C ALTERNATOR RATING	DRIVE RATIO
2.3L (140)	D8ZF-AA (40) Std.	2.31	D8ZF-CA (60) less P/S	2.31
	D8ZF-EA (40) with P/S	2.31	D8ZF-BA (60) less P/S	2.42
	D8ZF-CA (60) B less P/S	2.31	D8BF-CA (65) (A & B with P/S	2.42
	D8ZF-BA (60) B with P/S	2.42	D8ZF-HA (65).(M & B less P/S)	2.31
			D8ZF-FA (70) (A & B less P/S)	2.20
2.8L (170.8)	D8ZF-AA (40) Std.	2.16	D9ZF-BA (70)	2.16
	D9ZF-BA (70) (B)	2.16		
5.0L (302)	D9ZF-AA (60) Std.	3.00	D9ZF-AA (60)	3.00

Note: P/S — Power Steering
A — Auto - Transmission
M — Manual Transmission
B — With Heated Backlite

BATTERY APPLICATIONS

ENGINE	NON-AIR CONDITIONING	AIR CONDITIONING
2.3L	D8BF-BA 45 A.H. (1)	D8BF-BA 45 A.H. (1)
2.8L	D8BF-BA 45 A.H. (1)	D8BF-BA 45 A.H. (1)
5.0L (302)	D8BF-AA 36 A.H. (1)	D8BF-BA 36 A.H. (1) (2)

(1) D8AF-AA 54 A.H. Heavy Duty Battery.
(2) D8AF-AA 54 A.H. Model 66, Manual Trans. w/Heated Backlight plus Power Strg.
(3) D8AF-AA 54 A.H. Model 66, Auto. Trans. w/Heated Backlight plus Power Strg., plus Premium Sound Pkg.
(4) D8BF-BA 45 A.H. Model 66 Heated Backlite. 54 A.H. Model 66 Heated Backlite w/Premium Sound Pkg.
(5) D8BF-BA 45 A.H. Model 61, Heated Backlite with Premium Sound Pkg.

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Car Line CAPRI

Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.		
	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO

Electrical — Ignition System — Distributor

Distributor	Manual	D7EE-DA (49S) D7EE-EA (Calif.)	D9ZE-EA (49S) D9ZE-FA (Cal.)
	Automatic	D7EE-CA (49S) D7EE-HA (Calif.)	—
Timing	Manual	6° BTDC (49S) 6° BTDC (Calif.)	2° BTDC (50S)
	Automatic	20° BTDC (50S)	—

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
D7EE-DA	0-45° @ 1060	7.5-11.5 @ 1450	23-28 @ 5000	±1 @(1.75") -6 @(3.7")	21.5 - 26.5 @(12.4")
D7EE-EA	0-6° @ 1000	6.5-11.0 @ 1400	22.5-28 @ 5000	±1 @(2") -1 - 6.5 @ (4.6")	21.5 - 26.5 @(15.75")
D7EE-CA	0-4.25° @ 2475		10-15 @ 5000	±1 @(2.3") -6 @(4.7")	21.5 - 26.5 @(15.75")
D9ZE-FA	0-5° @ 975	9-13° @ 1325	21-26 @ 5000	±1° @(1.8") -1 - 5.5° @(4.2")	17.5 - 22.5 @(14.8")
D9ZE-EA	0-5° @ 975	9-13°	21-26 @ 5000	+1°@(1.8") -1° - 6.5° @ (4.2")	21.5 - 26.5 @ (16.2")

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Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Electrical — Ignition System — Distributor

Distributor	Manual	—	D9BE-CA (49S)
	Automatic	77TF-CA (49S) 79TF-FA (Calif.)	D9ZE-CA (49S) D8DE-EA (Calif.)
Timing	Manual	—	12° BTDC (49S)
	Automatic	9° BTDC (49S) 6° BTDC (Calif.)	8° BTDC (49S) 12° BTDC (Calif.)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
77TF-CA	0-2° @ 1200	10-15 @ 1800	16-21 @ 4200	0-2 @ (4.5")	10-14 @ (10")
79TF-FA	0-2° @ 1200	8-14 @ 2000	20-24 @ 4200	0-2 @ (4.5")	4-8 @ (10")
D9BE-CA	0-2° @ 1150	5.5-9.5 @ 2100	12-17.5 @ 5000	0-2 @ (2") 0-5.5 @ (4.75")	21.5-26.5 @ (15.3")
D9ZE-CA	0-2° @ 900	6-10° @ 1200	19-24.5 @ 5000	0-2 @ (2.8") 0-7 @ (5.0")	29.5-34.5 @ (15.5")
D8DE-EA	0-2° @ 900	6-10° @ 1200	18.5-24.5 @ 5000	0-2 @ (2.5") 0-4.5 @ (4.5")	21.5-26.5 @ (14.3")

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Car Line: CAPRI
Model Year: 1979 Issued: 9-78

Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO	2.8L-2V (170.8 CID)	5.0L (302 CID)

Electrical — Ignition System

Type	Conventional—Std., Opt., N.A.	N. A.			
	Transistorized—Std., Opt., N.A.	Breakerless			
	Other (specify)	None			
Coil	Make	Motorcraft			
	Model -12029-	D5AE-AB			D5AE-AB (a)
	Current: Engine stopped—A	4.5			5.0(0.0 Calif.)
	Current: Engine idling—A	2.5			2.5(1.0 Calif.)
Spark Plug	Make	Autolite		Motorcraft	Autolite
	Model -12405-	AWSF-42	AWSF-32	AWSF-42(-32)	ASF-52 (b)
	Thread (mm)	14			
	Tightening torque—N·m (lb. ft.)	(10-15)			
	Gap	.034			0.050 (0.060 (c)

Electrical — Suppression

Locations & type	Capacitor on Alternator, Voltage Regulator Capacitor Attached to Resistance Core Ignition Cable and Hood Ground Bond. Ground Cable Engine to Dash.

Electrical — Instruments and Equipment

Speedometer	Type	Pointer
	Trip odometer (std., opt., N.A.)	Std.
EGR maintenance indicator		
Charge Indicator	Type	Ammeter (Shunt), 45° Pointer
	Warning device	
Temperature Indicator	Type	Electric Gage, 45° Pointer
	Warning device	
Oil pressure Indicator	Type	Electric Gage, 45° Pointer
	Warning device	
Fuel Indicator	Type	Electric Gage, 45° Pointer
	Warning device	Optional Low Fuel Indicator Light in Console
Windshield Wiper	Type—standard	Two-Speed Electric (Column Mounted Control)
	Type—optional	Intermittent Wipe
	Blade length	41.91 (16.5)
	Swept area—cm^2($in.^2$)	4818.9 (746.93)
Windshield Washer	Type—standard	Electric Pump (Impeller Type)
	Type—optional	None
	Fluid level indicator	Optional (Warning Light)
Horn	Type	Air Electric
	Number used	1
	Current draw (A) per horn	6.2 Max.
Other		Brake system Warning Light — Emergency Flasher, Directional Signal, Lights, Hi-Beam Indicator, Fasten Seat Belts Warning Light Std., Electric Tachometer - Std., Door Ajar Warning Light and Headlamps "On" Warning Buzzer — Optional. Turbo Warning Lights for excessive boost or hot engine oil (W/Optional 2.3L Turbo Engine).

(a) (D7AE-AA Calif.)
(b) (ASF-52-6 Calif.)
(c) California)

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Car Line CAPRI

Model Year 1979 Issued 9-78 Revised (•) _____

Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) Turbo	2.8L-2V (170.8 CID)	5.0L (302 CID)

Drive Units — Clutch (Manual Transmission)

Make & type		Single Disc. Dry Plate			
Type pressure plate springs		Belleville Spring			
Total spring load—N (lb.)		(1055)	(1299)	(1320)	(1549)
No. of clutch driven discs		One			
Clutch facing	Material	Woven Asbestos			
	Manufacturer	Porter			Raybestos
	Part Number	—			
	Rivets/Plate	16	16	24	32
	Rivet size	9/64 x 7/32			
	Outside & inside dia.	8.5 x 5.75	8.5 x 5.75	9.5 x 6.0	10.0 x 6.75
	Total eff. area- cm^2 ($in.^2$)	61.56		85.22	85.5
	Thickness	0.125	0.125	0.125	0.137
	Engagement cushion-method	Torbend Disk			
Release bearing	Type & method of lubrication	Angular Contact, Prepacked			
Torsional damping	Methods: springs, friction material	Steel Coil Springs			

Drive Units —Transmissions

Manual 3-speed (std., opt., N.A.)	N.A.		
Manual 4-speed (std., opt., N.A.)	Std.		Std. (W/Overdrive 4th Gear)
Manual 5-speed (std., opt., N.A.)	N.A.		
Manual overdrive (std., opt., N.A.)	N.A.		Std.
Automatic (std., opt., N.A.)	Opt. (C3)	Opt. (C3, C4, W/ Cal.)	Opt. (C4)

Drive Units — Manual Transmissions

Number of forward speeds		Four		N.A.	Four
Transmission ratios	In first	3.98:1	4.07:1		3.07:1
	In second	2.14:1	2.57:1		1.72:1
	In third	1.42:1	1.66:1		1.00:1
	In fourth	1.00:1	1.00:1		0.70:1
	In fifth	—			
	In reverse	3.99:1	3.95:1		3.07:1
Synchronous meshing, specify gears		1st, 2nd, 3rd, 4th			
Shift lever location		Floor			
Lubricant	Capacity—L (pt.)	(2.8)	(3.5)		(4.5)
	Type recommended	ESP-M2C83-C			
	SAE viscosity number — Summer	80			
	SAE viscosity number — Winter	80			
	SAE viscosity number — Extreme cold	—			

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Car Line CAPRI
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Engine Description/Carb.	2.3L-2V (140 CID)	2.8L-2V (170.8 CID)	5.0L (302 CID)

Drive Units—Automatic Transmission

Trade name		Select Shift (C-3)	Select Shift (C-4)	Select Shift (C-4)
Type (describe)		Torque Converter with Planetary Gears		
Selector location		Floor Mounted		
Gear Ratios	P	—		
	R	2.11:1	2.18:1	2.18:1
	N	—	—	—
	D	1.00:1	1.00:1	1.00:1
	L2	1.47:1	1.46:1	1.46:1
	L1	2.47:1	2.46:1	2.46:1
Max. upshift speed—drive range—km/h (mph)		127 (79), 123 (77) Calif.	122(76);117(73)inCal.(a)	118 (74)
Max. kickdown speed—drive range—km/h (mph)		114 (71), 110 (69) Calif.	109(69);105(65)inCal.(b)	102 (64)
Torque Converter	Number of elements	Three		
	Max. ratio at stall	2.9:1	2.05:1	2.05:1
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	260.35 (10.25)		304.8 (12.0)
Lubricant	Capacity—refill—L (pt.)	7.6 (16) Approx. C-3, 6.8 (14) Approx. C-4		9.1 (19) Approx.
	Type recommended	ESW-M2C33-F (Type F) W/C-4; Type G W/C-3		
Special transmission features		Transmission Can Be Locked In 1 or 2 Positions, Vacuum Controlled Throttle Valve.		

Drive Units—Axle

Type (front, rear)		Rear	
Description		Conventional, Semi-Floating, Overhung Pinion	
Limited Slip differential, type		None	
Drive Pinion Offset		6.75: 1.50; 7.5: 1.00	
No. of differential pinions		Two	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		Collapsible Spacer	
Wheel bearing type		6.75: Single Row, Double Sealed Ball Bearing; 7.5: Straight Roller	
Lubricant	Capacity—L (pt.)	6.75 in.: 1.8 (2.5)	7.5 in.: 1.65 (3.5)
	Type recommended	M2C-105-A	
	SAE viscosity number — Summer	SAE 90	
	SAE viscosity number — Winter	SAE 90	
	SAE viscosity number — Extreme cold	SAE 90	

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

Axle Ratio		(c) 3.08:1	(d) 3.45:1	(e) 3.08:1	(f) 2.47:1
No. of teeth	Pinion	12	11	12	15
	Ring gear	37	38	37	37
Ring Gear O. D.		6.75	7.5	6.75	7.5

(a) 2.8L W/C-3: 130 (81)
(b) 2.8L W/C-3: 120 (74)
(c) For 2.3L
(d) For 2.3L Turbo.
(e) For 2.8L.
(f) For 5.0L.

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Engine Description/Carb.	2.3L-2V (140 CID)	2.3L-2V (140 CID) Turbo

Drive Units—Propeller Shaft

Number used			One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)			Internal Tuned Damper	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		Not Available	
	Manual 4-speed trans.		76.2 x 1208 x 1.65 (a)(d) (3.00 x 47.57 x 0.065) (a)(d) 76.2 x 1190 x 1.65 (b)(d) (3.00 x 46.85 x 0.065) (b)(d)	76.2 x 1188 x 1.65 (b)(e) (3.00 x 46.78 x 0.065) (b)(e)
	Manual 5-speed trans.		N.A.	
	Overdrive		N.A.	
	Automatic transmission		76.2 x 1243 x 1.65 (a)(c) (3.00 x 48.93 x 0.065) (a)(c) 76.2 x 1255 x 1.65 (b)(c)	N.A.
Intermediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		None	
Slip Yoke	Type		Plain	
	Number of teeth		25	28
	Spline O.D.		28.321 (1.115) Max.	30.988 (1.220) Max.
Universal joints	Make and Mfg. No.		Ford 1310	
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		12 mm Bolts W/Lockwashers	
	Bearing	Type (plain, anti-friction)	Needle Roller	
		Lubric. (fitting, prepack)	Pre-Pack	
Drive taken through (torque tube or arms, springs)			Control Arms	
Torque taken through (torque tube or arms, springs)			Control Arms	

*Center to center of universal joints, or to centerline of rear attachment.

(a) 6-3/4" Axle
(b) 7.5" Axle
(c) C-3 Automatic
(d) HM4WR Manual.
(e) SR4 Manual.

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Engine Description/Carb.	2.8L-2V (170.8 CID)	5.0L (302 CID)

Drive Units—Propeller Shaft

Number used			One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)			Internal Tuned Damper	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		Not Available	
	Manual 4-speed trans.		N.A.	69.85 x 1158 x 1.65 (b) (2.75 x 45.61 x 0.065 (b) OVERDRIVE
	Manual 5-speed trans.		N.A.	
	Overdrive		N.A.	4-Speed
	Automatic transmission		69.85 x 1188 x 1.65 (a)(d) (2.75 x 46.77 x 0.065) (a)(d) 69.85 x 1243 x 1.65 (a)(c) (2.75 x 48.93 x 0.065) (a)(c)	69.85 x 1175 x 1.65 (2.75 x 46.25 x 0.065) (b)(d)
Intermediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		None	
Slip Yoke	Type		Plain	
	Number of teeth		C-3: 25 C-4: 28	28
	Spline O. D.		C3: 28.321 (1.115) Max. C4: (e)	30.988 (1.220) Max.
Universal joints	Make and Mfg. No.		Ford 1310	
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		12 mm Bolts W/Lockwashers	
	Bearing	Type (plain, anti-friction)	Needle Roller	
		Lubric. (fitting, prepack)	Pre-Pack	
Drive taken through (torque tube or arms, springs)			Control Arms	
Torque taken through (torque tube or arms, springs)			Control Arms	

*Center to center of universal joints, or to centerline of rear attachment.

(a) 6-3/4" Axle
(b) 7.5" Axle
(c) C-3 Automatic
(d) C-4 Automatic
(e) 30-988 (1-220) Max.

Engine Description/Carb.

Drive Units—Tires And Wheels (Standard)

TIRES	Size, load range, ply		B78 - 13 BSW (WSW)
	Type (bias, radial, etc.)		Bias
	Inflation pressure (cold) for recommended max. vehicle load	Front—kPa (psi)	(30)
		Rear—kPa (psi)	(30)
	Rev./mile—at 70 km/h (45 mph)		(861)
WHEELS	Type & material		Styled Steel - Stamped
	Rim (size & flange type)		13 x 5.0JJ
	Wheel offset		1.12
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	4.25
		Number & size	Four, 1/2-20
	Spare wheel (same or other)		14 x 5 w/B78 x 14C Tire

Drive Units—Tires And Wheels (Optional)

Size, load range, ply	C78 - 13 BSW (WSW)
Type (bias, radial, etc.)	Bias
Wheel type & material	Styled Steel
Rim (size, flange type, and offset)	13.50JJ (1.12 Offset)
Size, load range, ply	B78 - 14 WSW or C78 x 14 BSW
Type (bias, radial, etc.)	Bias
Wheel type & material (a)	Std. Steel
Rim (size, flange type, and offset)	14 x 5.0JJ (1.12 Offset)
Size, load range, ply	BR78 - 14 BSW (WSW)
Type (bias, radial, etc.)	Steel Belt Radial
Wheel type & material (a)	Std. Steel
Rim (size, flange type, and offset)	14 x 5.0JJ (1.12 Offset)
Size, load range, ply	CR78 - 14 WSW (RWL)
Type (bias, radial, etc.)	Steel Belt Radial
Wheel type & material (a)	Std. Steel
Rim (size, flange type, and offset)	14 x 5.5JJ (1.12 Offset)
Size, load range, ply	190/65R 390 BSW
Type (bias, radial, etc.)	Steel Belt Radial
Wheel type & material	TRX Forged Aluminum
Rim (size, flange type, and offset)	390 x 150 (25.4mm Offset)

Brakes—Parking

Type of control		Pull Lever - Push Button Release
Location of control		Tunnel Mounted
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	—
	Drum diameter	—
	Lining size (length x width x thickness)	—

(a) Aluminum-Cast: Optional for all 14" Tires 14 x 5.5JJ (1.12 Offset).

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Body Type And/Or Engine Displacement

Brakes—Service

Brake Type (std., Opt., N.A.)	Drum	Front		N.A.
		Rear		Std.
	Disc	Front		Std.
		Rear		N.A.
Self-adjusting (std., opt., N.A.)				Std.
Special Valving	Type (proportion, delay, metering, other)			Pressure Differential and Proportioning
Power Brake (std., opt., N.A.)				Optional Mandatory with 2.8L & 5.0L Engines.
Booster Type (remote, integral, vac., hyd., etc.)				220mm Single Diaphragm — Integral Vacuum
Anti-skid device type (std., opt., N.A.)				N.A.
Effective area—cm^2 ($in.^2$)*				180.7 (28.0) — 2.3L & 2.8L; 212 (32.4) 5.0L
Gross lining area—cm^2 ($in.^2$)**				199.5 (30.93) — 2.3L & 2.8L; 231 (35.8) 5.0L
Swept area—cm^2 ($in.^2$)***				1611.06 (249.7) — 2.3L & 2.8L; 1777.53 (275.5) 5.0L
Rotor	Outer working diameter		F	236 (9.31) — 2.3L & 2.8L; 255.5 (10.0) 5.0L
			R	N.A.
	Thickness		F	22.1 (0.870) — 2.3L & 2.8L; 22.1 (0.870) 5.0L
			R	N.A.
	Material & type (vented/solid)		F	Cast Iron Vented
			R	N.A.
Drum	Diameter (nominal)	Front		N.A.
		Rear		(9.00)
	Type and material			Composite Cast Iron Steel; Aluminum w/C.I. Liner - Turbo
Wheel cylinder bore	Front			(2.36)
	Rear			(0.8125)
Master Cylinder	Bore			(0.875)
	Stroke			(1.370) Manual; (1.400) Power
Pedal arc ratio				5.80:1 Manual; 3.50:1 Power
Line pressure at 445 N (100 lb.) pedal load—MPa (psi)				6.41 (930) Manual; 7.72 (1120) Power
Lining Clearance Per Shoe	Front			0-0.010
	Rear			0.015
Brake lining	Front Wheel	Bonded or riveted, rivets/seg.		Riveted
		Rivet size		9/64
		Manufacturer		Thiokol — 2.3L, 2.8L & 5.0L; Bendix — 2.3L TURBO
		Lining Code		TP-1353-FF; BX-XO-EE
		Material		Molded Asbestos-2.3L, 2.8L & 5.0L; Semi Metallic-2.3L TURBO
		**** Size	Prim. or out-board	
			Second or in-board	
		Shoe thickness (no lining)		5.1mm (0.203 in.)
	Rear Wheel	Bonded or riveted, rivets/seg.		Riveted
		Manufacturer		Bendix
		Lining Code		BX-RY-FE; BX-PM-FE
		Material		Molded Asbestos
		**** Size	Prim. or out-board	6.12 x 1.75 x 0.187
			Second or in-board	8.63 x 1.75 x 0.245
		Shoe thickness (no lining)		0.0673

*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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Steering

Manual (std., opt., N.A.)				Std.
Power (std., opt., N.A.)				Optional. Mandatory with 5.0L
Adjustable steering wheel (tilt. swing, other)		Type and description		Tilt — 5 Positions
		(Std., opt., N.A.)		Optional. Not Available with Manual Steering
Wheel diameter		Manual		(15 in.) w/(.25) Offset; Opt: (14.5) w/(.25) Offset
		Power		(15 in.) w/(.25) Offset; Opt: (14.5) w/(.25) Offset
Turning diameter m(feet)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. to r.)		11.4 (37.36)
	Inside rear	Wall to wall (l. to r.)		
		Curb to curb (l. to r.)		
Manual	Gear	Type		Rack and Pinion
		Make		Cam Gear Ltd.
		Ratios	Gear	(N.A. for Rack & Pinion Design)
			Overall	24.93:1 on Center, 21.7:1 at Stop
	No. wheel turns (stop to stop)			4.08
Power	Type (coaxial, linkage, etc.)			Integral
	Make			TRW Gear - Ford Pump
	Gear	Type		Rack and Pinion Rod & Ball Joint Direct Attach. to Gear
		Ratios	Gear	(N.A. for Rack and Pinion Design)
			Overall	20:1, on Center; 16:1 at Stops
	Pump driven by			Belt off Crankshaft Pulley - Lube M2C-33F (5.0L - Serpentine)
	No. wheel turns (stop to stop)			3.05
Linkage	Type			Rack and Pinion (Rod & Ball Joint Direct Attachment to Gear)
	Location (front or rear of wheels, other)			Front of Wheels
	Drag links (trans. or longit.)			None
	Tie rods (one or two)			2 (Inner Tie Rods Integral with Rack and Pinion Gear)
Steering Axis	Inclination at camber (deg.)			9.763
	Bearings (type)	Upper		Ball Joint
		Lower		Ball Joint
		Thrust		Spring Steel in All Joints
Steering spindle & joint type				Integral with Wheel Spindles; Ball and Socket Joints
Wheel Spindle	Diameter	Inner bearing		1.3767 I.D.
		Outer bearing		0.8647 I.D.
	Thread size			13/16-20 UNEF (2A R.H. Thd.)
	Bearing type			Tapered Roller
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)		+0.25° to +1.75° (a)
		Camber (deg.)		-0.5° to +1° (a)
		Toe-in [outside track-mm (in.)]		+5 mm (0.18 in.) to +11 mm (0.44 in.) (b)
	Service reset	Caster		+1° ± 0.75° (a)
		Camber		± 0.25° ± 0.75° (a)
		Toe-in		+8 mm (0.31 in.) ± 3 mm (0.12 in.) (b)
	Periodic M.V. Inspection	Caster		-1° to +3°
		Camber		-1.25° to +1.75°
		Toe-in		-1.5 mm (0.06 in.) to ±17 mm (0.68 in.)

(a) Max. side-to-side not to exceed 0.75°.

(b) Steering wheel spokes (clear vision) must be within ± 10° of horizontal after toe setting.

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Passenger Car

Car Line CAPRI

Model Year 1979 Issued _____ Revised (•) _____

Body Type And/Or Engine Displacement

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling		None
Provision for brake dip control		Tilted Upper Control Arm Anti-Drive Front Suspension
Provision for acc. squat control		Asymmetrical Type Rear Spring Mounting
Special provisions for car jacking		Side of Car — Outside Rocker Panel Flanges, Front & Rear
Shock absorber front & rear	Type	Direct Double Acting, Front Valving
	Make	Motorcraft
	Piston dia.	Front: 34.9mm (1.38 in.); Rear 25.4mm (1.0 in.)
Other special features		Scissors Jack & Wrench

Suspension — Front

Type and description		Hybrid MacPherson Strut with Spring Mounted on Lower Control Arm
Travel	Full jounce	89mm (3.50 in.) at Wheel
	Full Rebound	89mm (3.50 in.) at Wheel
Spring	Type (coil, leaf, other)	Coil
	Material	SAE 5160 Steel
	Size (coil design height & I.D., bar length x dia.)	254mm x 88.9mm 2756mm 14.6mm (10.0 in. x 3.50 in. [Coil]); (108.5 in. [Bar Length]); (0.57 in. [Bar Dia.]
	Spring rate — N/mm (lb./in.) (b)	56.04 (370); 692 (395) Handling; 74.4 (425) TRX
	Rate at wheel — N/mm (lb./in.) (b)	20.14 (115); 21.01 (120) Handling; 22.76 (130) TRX
Stabilizer	Type (link, linkless, frameless)	Link Type
	Material & bar diameter	SAE 1090 - 25.4mm (1.00 in.) Dia. (Std.); 26.9mm (1.06 in.) Dia. (Opt.)

Suspension — Rear

Type and description			Four Bar Link Coil Spring
Drive and torque taken through			Upper & Lower Control Arm
Travel	Full Jounce		80.07mm (3.31 in.)
	Full Rebound		121.2mm (4.77 in.)
Spring	Type (coil, leaf, other)		Coil
	Material		SAE 5160-H Steel
	Size (length x width, coil design height & I.D., bar length & dia.)		325.1mm x 102mm (12.8 in. x 4.02 in.) 2678 mm x 13.2mm (105.4 in. x .52 in.)
	Spring rate — N/m (lb./in.)		28N/mm (160 lb./in.) (a) 30.6 N/mm (175 lb./in.) (b)
	Rate at wheel — N/m (lb./in.)		13.5N/mm (77.2 lb./in.); 14.8N/mm (84.4 lb./in.)
	Mounting insulation type		Rubber
	If leaf	No. of leaves	
		Shackle (comp. or tens.)	
Stabilizer	Type (link, linkless, frameless)		Linkless
	Material & bar diameter		SAE 1090 Steel; 12.7mm (.50 in.) 5.0L base, 2.3L, 2.8L & 5.0L Handling 2.3L, 2.8L, & 5.0L TRX
Track bar type			None

(a) 5.0L Std. Handling, All 2.3L TRX
(b) All but 5.0L Std., 2.8L & 5.0L TRX

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•) _____

	Body Type
	ALL MODELS

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel (Acrylic)
Hood counterbalanced (yes, no)		No (Prop Rod)
Hood release control (internal, external)		Primary: Internal; Secondary; External
Vehicle Ident. No. Location		Cowl Top Panel
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Stamped Frame — Added Wire Spring Elements — Foam Pad
	Rear	Integral Frame & Foam Pad Assy.
	3rd Seat	None
Seat back type	Front	Stamped Frame — Added Wire Spring Elements in Pad — Foam Pad
	Rear	Integral Frame & Foam Assy. (a)
	3rd seat	None
Method of holding luggage compart. lid open		Gas Cylinders
Position of spare tire storage		Flat in Storage Well

Frame

Type and description (Separate frame, unitized frame, partially-unitized frame)	Platform Type Unitized and Construction (Isolation Type, Front Suspension Sub-Frame)

(a) Fold-down Type Standard

MVMA Specifications Form
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Car Line CAPRI

Model Year 1979 Issued _____ Revised (•) _____

Body Type
ALL MODELS

Convenience Equipment

Power windows	Side Windows	N.A.
	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		N.A.
Reclining front seat back (R-L or both)		N.A.
Radios (specify type as well as availability)		Opt. — AM, AM/Tape; AM/FM Mono; AM/FM MPX; AM/FM/MPX Tape, AM/FM/MPX Cassette, Premium Sound Pkg.
Rear seat speaker		N.A.
Power antenna		N.A.
Clock		Digital (Optional)
Air conditioner (specify type)		Opt.; Integral on Instrument Panel (Multiple Outlets), Manual Control
Speed warning device		N.A.
Speed control device		Optional
Ignition lock lamp		N.A.
Dome lamp		Std. (Map/Dome Lamp Opt.)
Glove compartment lamp		Opt.
Luggage compartment lamp		Opt.
Underhood lamp		Opt.
Courtesy lamp		Opt.
Map lamp		Opt. (Deleted with Sun Roof Option)
Cornering lamp		N.A.
Rear window defroster electrically heated		Optional
Rear window defogger		N.A.
Theft protection—type		N.A.
Illum. Entry System		Optional
Sun Roof		Optional
Inertia Seat Back Latch		N.A. High Back Bucket Seats; Std. on Low Back. R.P.O. Bucket Seats.

4-Way Manual
Seat Track R.P.O. Both High Back & Low Back Seat — Driver's Side Only.

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Vehicle Mass (Weights)

Model	CURB MASS, kg. (Weight, lb.)*			% PASS. WEIGHT DISTRIBUTION				SHIPPING MASS, Kg. (Weight, lb.)**
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
3-Dr. 61D	(1468)	(1145)	(2613)					(2519)
3-Dr. Ghia 61H	(1536)	(1144)	(2680)					(2586)

* ABOVE CURB WEIGHTS REFLECT VEHICLE WITH 2.3L STD ENGINE AND OPTIONAL C-3 AUTOMATIC TRANSMISSION.

*Reference — SAE J1100a, Motor Vehicle Dimensions, Curb Weight Definition.
**Shipping Mass (Weight) definition—

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Car Line CAPRI
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Equipment Differential Mass (Weights)	Optional Equipment Mass (Weights)* MASS, kg. (Weight, lb.) Front	Rear	Total	Remarks
2.3L-2V-Manual Trans.	(2)	(0)	(2)	Over 2.3L-2V, Auto. Trans.
2.3L(Turbo)-2V-Man. Trans	(35)	(36)	(71)	Over 2.3L-2V, Auto. Trans.
5.0L-2V-Manual Trans.	(163)	(47)	(210)	Over 2.3L-2V, Auto. Trans.
2.8L-2V-Auto. Trans.	(51)	(34)	(85)	Over 2.3L-2V, Auto. Trans.
5.0L-2V-Auto. Trans.	(180)	(47)	(227)	Over 2.3L-2V, Auto. Trans.
Air Conditioning (2.3L)	(77)	(-2)	(75)	
(2.8L)	(71)	(-2)	(61)	
(5.0L)	(66)	(-2)	(64)	
Power Steering (2.3L)	(20)	(-1)	(19)	
(2.8L)	(24)	(-1)	(23)	
(5.0L)	(22)	(-1)	(21)	
Power Brakes	(6)	(0)	(6)	
Radio —AM/Clock	(11)	(2)	(13)	
—AM/FM Monaural	(5)	(1)	(6)	
—AM/FM Multiplex	(7)	(3)	(10)	
—AM/FM MPX Tape	(9)	(4)	(13)	
—AM/FM MPX Cassette Tape	(7)	(4)	(11)	
Elec. Rear Window Defrost — 2.3L	(5)	(11)	(16)	
— 2.8L	(0)	(11)	(11)	
— 5.0L	(0)	(11)	(11)	
Sun Roof	(11)	(14)	(25)	
Rear Window Washer/Wiper	(-2)	(12)	(11)	
Alum. Spoke Wheels	(-1)	(-12)	(-20)	Over Ghia Model. Over 3-Dr.:(-5)/(-5)/(-10).
Alum. Sim.-Spoke Wheels	(-3)	(-3)	(-6)	Over Ghia Model. Over 3-Dr.:(-5)/(-5)/(-10)
Styled Steel Wheels	(7)	(8)	(15)	Over Ghia Model. Over 3-Dr.:(9)(10)(19)
Wire Wheel Covers	(4)	(4)	(8)	Over Ghia Model. Over 3-Dr.:(7)(6)(13)
Tires: (Typical)				
B78-14WSW	(3)	(2)	(5)	Over Std. B78-13 BSW
BR78-14BSW	(7)	(6)	(13)	Std. on Ghia
C78-13BSW	(2)	(2)	(4)	N.A. Ghia
C78-14WSW	(3)	(2)	(5)	N.A. Ghia
CR78-14WSW	(11)	(11)	(22)	
CR78-14RWL	(11)	(11)	(22)	
P190/65R/390 BSW	(9)	(9)	(18)	
R/S Option	(28)	(27)	(55)	
Handling Suspension	(0)	(8)	(8)	

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

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Car and Body Dimension 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.

	SAE Ref. No.	Body Type 61D	61H
Width			
Tread — Front	W101	1437.6 (56.6)	
Tread — Rear	W102	1447.8 (57.0)	
Vehicle width	W103	1755.1 (69.1)	
Body width at Sg RP — front	W117	1711.9 (67.4)	
Vehicle width — front doors open	W120		
Vehicle width — rear doors open	W121		
Length			
Wheelbase	L101	2550.1 (100.4)	
Vehicle length	L103	4549.1 (179.1)	
Overhang — front	L104	1003.3 (39.5)	
Overhang — rear	L105	995.6 (39.2)	
Upper structure length	L123	2494.2 (98.2)	
Rear wheel C/L "X" coordinate	L127	2194.5 (86.4)	
Cowl point "X" coordinate	L125	144.7 (5.7)	
Height*			
Passenger Distribution (frt./rear)	PD1,2,3	2/1	
Trunk/Cargo load			
Vehicle height	H101	1308.1 (51.5)	
Cowl point to ground	H114	939.8 (37.0)	
Deck point to ground	H138	901.7 (35.5)	
Rocker panel front to ground	H112		
Bottom of door closed-front to grd.	H133		
Rocker panel rear to ground	H111		
Bottom of door closed-rear to grd.	H135		
Windshield slope angle	H122	58.0°	
Ground Clearance*			
Front bumper to ground	H102		
Rear bumper to ground	H104		
Bumper to ground—front at curb mass (wt.)	H103		
Bumper to ground—rear at curb mass (wt.)	H109		
Angle of approach	H106	18.5°	
Angle of departure	H107	19.1°	
Ramp breakover angle	H147		
Rear axle differential to ground	H153	157.0 (6.18)	
Min. running ground clearance	H156	Front: 230.0 (5.9): Rear: 144.0 (5.67)	
Location of min. run. grd. clear.		Front: Steering Gear Mtg. Boss; Rear: Shock Brkt.	

*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.

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type 61D	61H
Front Compartment			
Sg RP front, "X" coordinate	L31	1018.5	(40.1)
Effective head room	H61	944.8	(37.2)
Effective T Point head room	H75		
Max. eff. leg room—accelerator	L34	1038.8	(40.9)
Sg RP — front to heel	H30	223.5	(8.8)
Design H-point front travel	L17	139.7	(5.5)
Shoulder room	W3	1412.2	(55.6)
Hip room	W5	1371.6	(54.0)
Upper body opening to ground	H50	1191.2	(46.89)
Steering Wheel Angle	H18		23.0°
Back Angle	L40		25.0°
Rear Compartment			
Sg RP Point couple distance	L50	711.2	(28.0)
Effective head room	H63	911.8	(35.9)
Effective T Point head room	H76		
Min. effective leg room	L51	756.9	(29.8)
Sg RP—second to heel	H31		
Knee clearance	L48	-25.4	(-1.0)
Compartment room	L3		
Shoulder room	W4	1386.8	(54.6)
Hip room	W6	1196.3	(47.1)
Upper body opening to ground	H51		
Luggage Compartment			
Usable luggage capacity—L (cu. ft.)	V1	—	
Liftover height	H195	—	

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (*)

Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type 61D	61H

Station Wagon — Third Seat

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

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	
Tail gate 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

Front seat back to load floor height	H197	
Cargo length at front seat Back Height	L208	922.0 (36.3)
Cargo length at floor—front	L209	1653.5 (65.1)
Cargo volume index—L ($ft.^3$)	V3	917.4 (32.4)
Hidden cargo volume—L ($ft.^3$)	V4	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Car and Body Dimensions See Key Sheets for definitions

Body Type

ALL MODELS

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 = 444.50 (17.50) Y = N.A. Z = N.A.
3 & 4 5 & 6 Rear	The intersection of the lower and inboard surfaces (outside of metal) of 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 using the reference dimension from Fiducial Mark 1 & 2.

Fiducial Mark Number			
3&4 Front	W21	737.11	(29.02)
	L54	444.50	(17.50)
	H81	-27.94	(-1.10)
	H161		
	H163		
Rear	W22	737.11	(29.02)
	L55	1295.40	(51.00)
	H82	-35.81	(-1.41)
	H162		
	H164		

*Reference — SAE Recommended Practice, J182a, A Motor Vehicle Fiducial Marks — September, 1973.

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Passenger Car

Car Line CAPRI
Model Year 1979 Issued 9-78 Revised (•)

Car and Body Dimensions See Key Sheets for definitions

		Body Type
	SAE Ref. No.	ALL MODELS

Glass

Backlight slope angle	H121	62.3°
Windshield slope angle	H122	58°
Tumble-Home	W122	24.9°
Windshield glass exposed surface area—cm^2 ($in.^2$)	S1	8113.5 (1257.6)
Side glass exposed surface area—cm^2 ($in.^2$)	S2	8202.6 (1271.4)
Backlight glass exposed surface area—cm^2 ($in.^2$)	S3	8568.4 (1328.1)
Total glass exposed surface area—cm^2 ($in.^2$)	S4	24884.5 (3857.1)
Windshield glass type		Laminated
Side glass type		Tempered
Backlight glass type		Tempered

Lamps and Headlamp Shape*

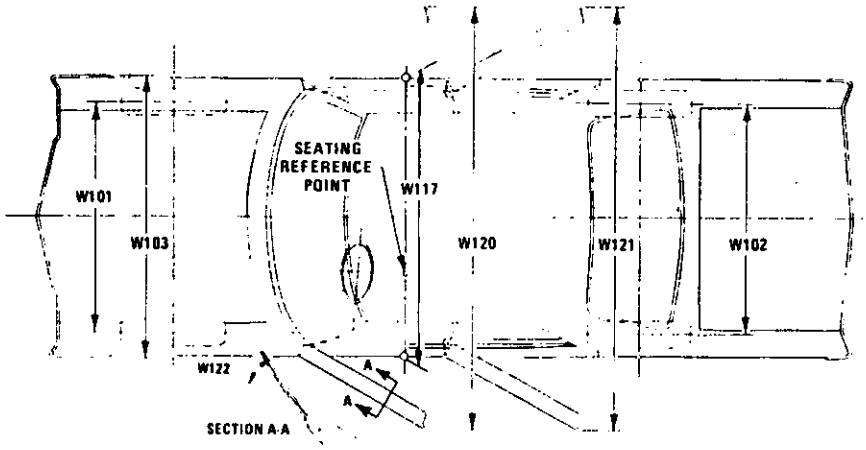
Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	658.6 (25.82)
		Lowest	653.8 (25.74)
	Tail (H126)	Highest	691.4 (27.22)
		Lowest	691.4 (27.22)
	Sidemarker	Front	490.73 (19.32)
		Rear	691.4 (27.22)
Distance from C/L of car to center of bulb	Headlamp	Inside	883.9 (34.80)
		Outside**	1241.55 (48.88)
	Tail	Inside	573.28 (22.57)
		Outside	702.0 (28.04)
	Directional	Front	620.77 (24.44)
		Rear	702.0 (28.04)
Headlamp Shape			

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

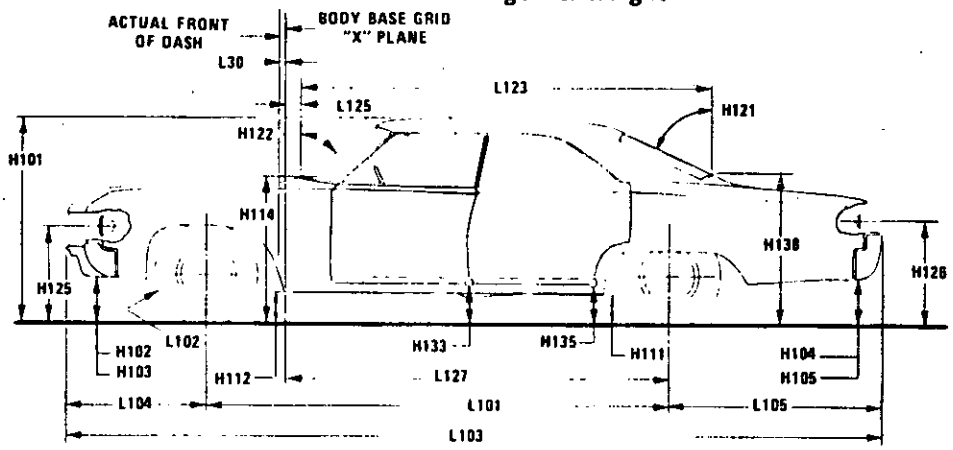
MVMA Specifications Form
Passenger Car

Exterior Car And Body Dimensions — Key Sheet

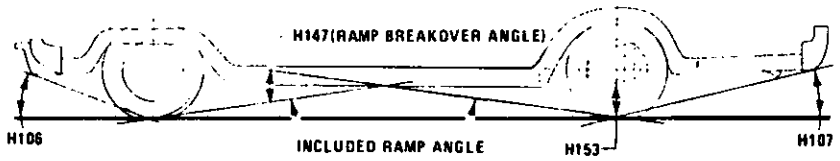
Exterior Width



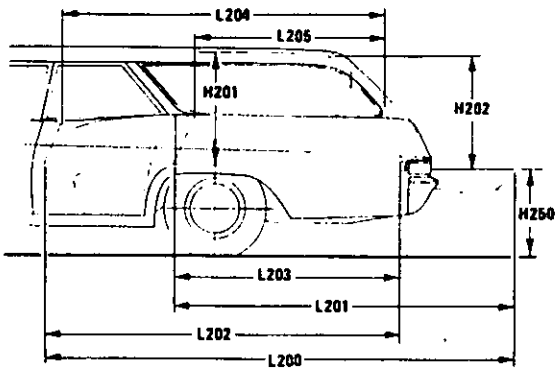
Exterior Length & Height



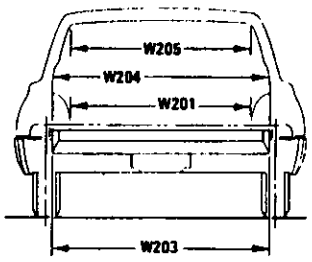
Exterior Ground Clearance

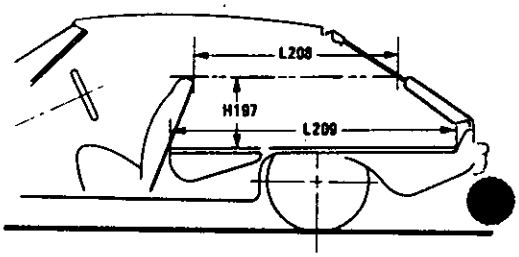


Cargo Space



Station Wagon





Hatchback

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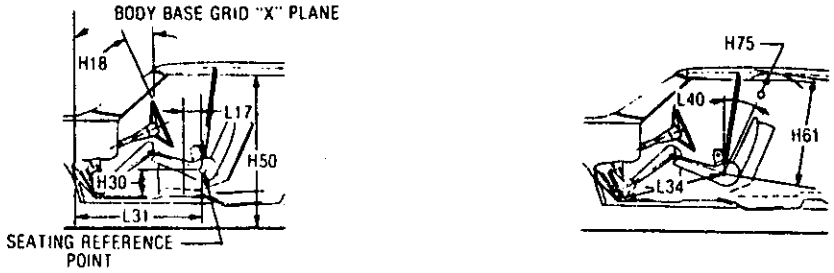
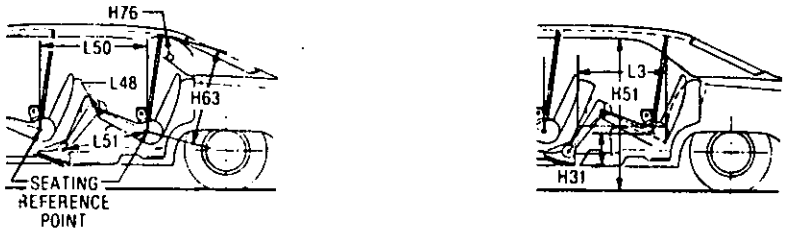
Passenger Car

Interior Car And Body Dimensions — Key Sheet

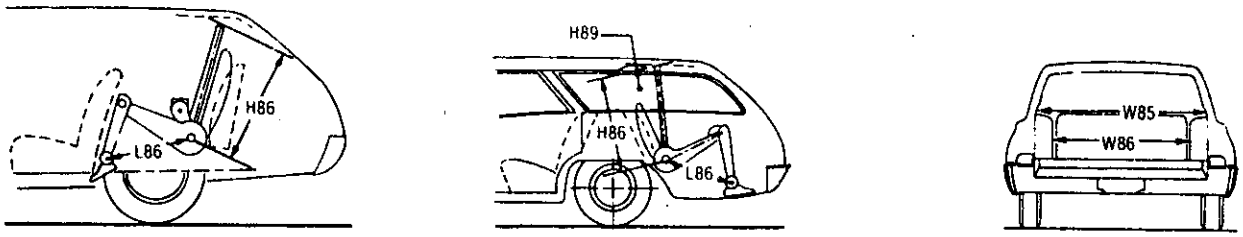
Front Compartment



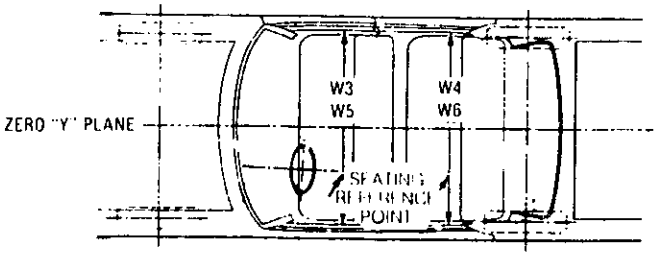
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form
Passenger Car

Exterior Car And Body Dimensions — Key Sheet
Dimension 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 designed 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 is 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 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.

H125 HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.

H126 TAILLAMP TO GROUND. 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.

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H103 FRONT BUMPER TO GROUND — CURB WEIGHT. 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 WEIGHT. 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 reaward 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 headline, plus 4.0 in. (102 mm).

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

L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP - front plus 10.0 in. (254 mm) 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 track 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 10.0 in. (254 mm) 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 1.0 in. (25 mm) below and 3.0 (76 mm) above the SgRP - front and 3.0 (76 mm) fore and aft of 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 COUPLE 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 - second to the headlining, plus 4.0 in. (102 mm).

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 10.0 in. (254 mm).

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 2.0 in. (51 mm).

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 10.0-16.0 in. (254-406 mm) 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 13.0 in. (330 mm) 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 10.0 in. (254 mm).

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 4.0 in. (102 mm).

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

Station Wagon - Cargo Space Dimensions

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

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

L201 CARGO LENGTH — OPEN — SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo floor suface 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 intereferences 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 WEIGHT). 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 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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