

**Specifications**  
**Form**  
**Passenger Car**  
  
**1982**  
**METRIC (U.S. Customary)**

<b>Manufacturer</b>  FORD MOTOR COMPANY	<b>Car Line</b>  MUSTANG	
<b>Mailing Address</b>  P. O. BOX 2053 DEARBORN, MICHIGAN 48121	<b>Model Year</b>  1982	<b>Issued:</b> SEPT., 1981
		<b>Revised (*)</b>

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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.

# **MVMA Specifications Form**

## **Passenger Car**

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

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#### **NOTE:**

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.
  - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. 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

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

Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

## Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load— Kilograms (Pounds)
2-Door	66B	2-2	45.4 (100)
2-Door Ghia	66H	2-2	45.4 (100)
3-Door	61R	2-2	45.4 (100)
3-Door Ghia	61H	2-2	45.4 (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	
	Displ. Liters (in <sup>3</sup> )	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM		Exhaust System*		(std. first) (indicate A/C ratio) *	
				kW (bhp)	Torque N - m (lb. ft.)				
ALL	2.3 (140)	2V	50 STATES			S	Manual 4-Speed (M4WR)	STD.	OPT.
			9.0	Non	A/C			2.73 or	--
				64 (86) 4600	159 (117) 2600			3.08 (a)	--
				9.0	A/C				3.45 (a)
9.0	69 (92) 4600	161 (119) 2600	Auto. 3-Speed (C3)		3.08	3.45 Locker Only			
	(3.45 Standard for Altitude)								
	ALL	3.3 (200)	1V	8.6	65 (87) 3800	209# (154) 1400	S	Auto. 3-Speed (C512)  (C-3) Altitude	2.73 (a)
ALL	4.2 (255)	2V/VV	8.2	83 (111) 3400	263 (194) 1600	S	Auto. 3-Speed (C512) (NA - Calif.)	2.73 (a)	--
	5.0 (302) H.O.	2V	8.3	117 (157) 4200	325 (240) 2400	S	Manual 4-Speed (SROD)	3.08 (a)	--
#Calif. 205 (151) 1400 *A/C same as standard (a) Available with locking axle									

\*S - Single D - Dual

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Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**ENGINE - GENERAL**

Type (inline, V and angle flat)	Inline, OHC	
Location (front,mid,rear)	Front	
Engine installation position (transverse, longitudinal)	Longitudinal	
Number of mtg. points	Front	Two
	Rear	One
No. of cylinders	Four	
Bore	96.04 (3.781)	
Stroke	79.40 (3.126)	
Piston displacement cm <sup>3</sup> (in <sup>3</sup> )	2301 (140)	
Bore spacing (c/l to c/l)	105.99 (4.173)	
Cylinder block material	Cast Iron	
Cylinder block deck height	212.55 (8.368)	
Deck clearance (minimum) (above or below block)	0.178 (0.007) (Above)	
Cylinder head material	Cast Iron	
Cylinder head volume - cm <sup>3</sup>	61.3	
Head gasket thickness (compressed)	1.09 (0.043)	
Head gasket volume - cm <sup>3</sup>	8.9	
Minimum combustion chamber volume - cm <sup>3</sup> (a)	76.9	
Cyl. no. system (front to rear)**	L. Bank	---
	R. Bank	---
Firing order	1-3-4-2	
Recommended fuel (leaded, unleaded)	Unleaded	
Fuel antiknock index (R + M) 2	N.A.	
Total dressed engine mass (wt) dry*	155 (341) Man. (b); 140(308)Auto.	

\*Dressed engine mass (weight) includes to following:

Engine assembly except alternator and starter, clutch components (for Manual Trans.)

\*\*Rear of engine -- drive takeoff.

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

- (a) Total Clearance Volume  
 (b) Includes Clutch Components

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Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**ENGINE - GENERAL**

Type (inline, V and angle flat)	Inline, OHV	
Location (front,mid,rear)	Front	
Engine installation position (transverse, longitudinal)	Longitudinal	
Number of mtg. points	Front	Two
	Rear	One (Transmission)
No. of cylinders	Six	
Bore	93.52 (3.682)	
Stroke	79.40 (3.126)	
Piston displacement cm <sup>3</sup> (in <sup>3</sup> )	3300 (200)	
Bore spacing (c/l to c/l)	104.1 (4.1)	
Cylinder block material	Cast Iron	
Cylinder block deck height	198.32 (7.808)	
Deck clearance (minimum) (above or below block)	0.038 (0.0015) Below	
Cylinder head material	Cast Iron	
Cylinder head volume — cm <sup>3</sup>	57.25-60.25	
Head gasket thickness (compressed)	0.686 (0.027)	
Head gasket volume — cm <sup>3</sup>	4.97	
Minimum combustion chamber volume — cm <sup>3</sup>	69.1	
Cyl. no. system (front to rear)**	L. Bank	
	R. Bank	
Firing order	1-5-3-6-2-4	
Recommended fuel (leaded, unleaded)	Unleaded	
Fuel antiknock index (R + M) 2	87.0 Min.	
Total dressed engine mass (wt) dry*	180 (397) Man., 158 (348) Auto.	

\*Dressed engine mass (weight) includes to following:

Engine assembly except alternator and starter.

\*\*Rear of engine — drive takeoff.

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

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Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**ENGINE - GENERAL**

Type (inline, V and angle flat)	90°, OHV	
Location (front,mid,rear)	Front	
Engine installation position (transverse, longitudinal)	Longitudinal	
Number of mtg. points	Front	Two
	Rear	One
No. of cylinders	Eight	
Bore	93.52 (3.68)	
Stroke	76.2 (3.00)	
Piston displacement cm <sup>3</sup> (in <sup>3</sup> )	42.00 (255)	
Bore spacing (c/l to c/l)	111.25 (4.38)	
Cylinder block material	Cast Iron	
Cylinder block deck height	208.43 (8.206)	
Deck clearance (minimum) (above or below block)	0.013 (0.0005)	
Cylinder head material	Cast Iron	
Cylinder head volume - cm <sup>3</sup>	59 - 62	
Head gasket thickness (compressed)	1.1938 (0.047)	
Head gasket volume - cm <sup>3</sup>	10.10	
Minimum combustion chamber volume - cm <sup>3</sup>	72.9	
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)	Unleaded	
Fuel antiknock index $\frac{(R + M)}{2}$	87.0 Min.	
Total dressed engine mass (wt) dry*	196 (431)	

\*Dressed engine mass (weight) includes to following: **Engine Assembly Except Alternator and Starter.**

\*\*Rear of engine - drive takeoff.

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

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Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**ENGINE - GENERAL**

Type (inline, V and angle flat)		90°, OHV
Location (front,mid,rear)		Front
Engine installation position (transverse, longitudinal)		Longitudinal
Number of mtg. points	Front	Two
	Rear	One
No. of cylinders		Eight
Bore		101.6 (4.00)
Stroke		76.2 (3.00)
Piston displacement cm <sup>3</sup> (in <sup>3</sup> )		4950 (3.02)
Bore spacing (c/l to c/l)		111.25 (4.38)
Cylinder block material		Cast Iron
Cylinder block deck height		208.43 (8.206)
Deck clearance (minimum) (above or below block)		0.013 (0.0005)
Cylinder head material		Cast Iron
Cylinder head volume — cm <sup>3</sup>		67.5 - 70.5
Head gasket thickness (compressed)		(0.047)
Head gasket volume — cm <sup>3</sup>		10.07
Minimum combustion chamber volume — cm <sup>3</sup>		78.9
Cyl. no. system (front to rear)**	L. Bank	5-6-7-8
	R. Bank	1-2-3-4
Firing order		1-3-7-2-6-5-4-8
Recommended fuel (leaded, unleaded)		Regular Unleaded
Fuel antiknock index $\frac{(R + M)}{2}$		87.0 Min.
Total dressed engine mass (wt) dry*		180 (397)

\*Dressed engine mass (weight) includes to following: **ENGINE ASSY. EXCEPT ALTERNATOR & STARTER**

\*\*Rear of engine — drive takeoff.

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



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Engine Description/Carb.  
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2.3L  
 (140 CID)

**Engine - Pistons**

Material	Aluminum Alloy (with or without steel struts)	
Description and finish (flat, dished, dome, etc.)	Full Skirt Cam Ground	
Mass, g (weight, oz.) - Piston Only	497-503 (17.5-17.7) (a)	
Clearance (limits)	Top land	.749-1.044 (.0295-.0411)
	Skirt Top	.036-.071 (.0014-.0028)
	Bottom	0.0-0.071 (0.0-0.0028)
Ring groove diameter	No. 1 ring	85.14-85.39 (3.35-3.36)
	No. 2 ring	85.14-85.39 (3.35-3.36)
	No. 3 ring	84.84-85.09 (3.34-3.35)

**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
Compres- sion	Description - #1 material, coating, etc. #2	Cast Iron, Moly. Coated Cast Iron, Oxide Coat or Phosphate
	Width	1.98-1.96 (0.078-0.077)
	Gap	0.25-0.51 (0.010-0.020)
Oil	Description - #3 material, coating, etc. Multipiece	Two Rails and One Spacer - Expander. Rails: (SAE 1070 or SAE 1074) Chrome-Plated Spacer - Expander: (SAE 30201 or SAE 30301)
	Width	4.50-4.62 (0.177-0.182) (b); 0.584-0.635 (0.023-0.025) (c)
	Gap (Rails Only)	4.0-0.8 (0.16-0.03)
Expanders	Part of Oil Ring Assembly	

**Engine - Piston Pins**

Material	SAE-1016, SAE-5015 or SAE-5115	
Length	76.5-77.2 (3.01-3.04)	
Diameter	23.175-23.162 (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	0.005-0.010 (0.0002-0.0004)
	In rod	0.0178-0.041 (0.0007-0.0016) Press Fit
Direction & amount offset in piston	Right 1.52 (0.060)	

(a) 522-528 (18.41-18.62) with Steel Struts

(b) Expander  
 (c) Each Rail

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3.3L  
 (200 CID)

**Engine -- Pistons**

Material	Aluminum Alloy	
Description and finish (flat, dished, dome, etc.)	Cast, Autothermic, Slipper Skirt, Cam Machined and Tin Plated	
Mass, g (weight, oz.) -- Piston Only	442.5 (17.42)	
Clearance (limits)	Top land	0.762-1.087 (0.030-0.043)
	Skirt	Top 0.033-0.053 (0.0013-0.0021)
		Bottom 0.0-0.071 (0.0-0.0028)
Ring groove diameter	No. 1 ring	83.03-82.78 (3.27-3.26)
	No. 2 ring	83.03-82.78 (3.27-3.26)
	No. 3 ring	83.03-82.78 (3.27-3.26)

**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, Taper Face, Phosphate Coated
	Width	1.98-1.96 (0.0780-0.0770)
	Gap	0.254-0.508 (0.010-0.020)
Oil	Description -- material, coating, etc.  Multipiece	Two Rails and Spacer-Expander Rails: Chrome Plated-Spring Steel Spacer-Expander: Steel AISI-C-1075
	Width	3.76-3.96 (.146-.156)
	Gap Rails Only	0.381-1.397 (0.015-0.055) Rails Only
Expanders	Part of Oil Ring Assembly	

**Engine -- Piston Pins**

Material	Steel	SAE 5015 H.T.
Length	76.45-77.22 (3.01-3.04)	
Diameter	23.175-23.162 (0.9124-0.9119) Select Fit	
Type	Locked in rod, in piston, floating, etc.	Press Fit in Rod
	Bushing	In rod or piston None
		Material ---
Clearance	In piston	0.0051-0.0102 (0.0002-0.0004)
	In rod	Press Fit
Direction & amount offset in piston	1.588 (0.0625) Right	

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Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**Engine - Pistons**

Material	Aluminum Alloy		
Description and finish (flat, dished, dome, etc.)	Cast, Slipper Skirt, Cam Machined, and Tin Plated		
Mass, g (weight, oz.) - Piston Only	473 - 467		
Clearance (limits)	Top land	0.8636 - 1.1557 (.0340 - .0425)	
	Skirt	Top	0.0014 - .0024
		Bottom	
Ring groove diameter	No. 1 ring	83.007 - 82.753 (3.268 - 3.258)	
	No. 2 ring	83.007 - 82.753 (3.268 - 3.258)	
	No. 3 ring	82.499 - 82.245 (3.248 - 3.238)	

**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, Taper Face, Phosphate Coated
	Width	1.98 - 1.96 (0.0780 - 0.0770)
	Gap	0.254 - 0.508 (.010 - .020)
Oil	Description - material, coating, etc.	Two Rails and Spacer-Expander Rails: Chrome Plated - Spring Steel Spacer-Expander: Steel AISI-C-1075
	Width	3.76 - 3.96 (.146 - .156)
	Gap	.381 - 1.397 (0.015 - 0.055) Rails Only
Expanders	Part of Oil Ring Assembly	

**Engine - Piston Pins**

Material			SAE 5015 H.T.		
Length			76.45 - 77.22 (3.01 - 3.04)		
Diameter			23.175 - 23.162 (0.9124 - 0.9119) Select Fit		
Type	Locked in rod, in piston, floating, etc.		Press Fit in Rod		
	Bushing	In rod or piston	None		
		Material	-		
Clearance	In piston		0.0051 - 0.0102 (0.0002 - 0.0004)		
	In rod		Press Fit		
Direction & amount offset in piston			1.588 (0.0625) Right		

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Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**Engine — Pistons**

Material	Aluminum Alloy	
Description and finish (flat, dished, dome, etc.)	Cast, Slipper Skirt, Cam Machined and Tin Plated	
Mass, g (weight, oz.) — Piston Only	583 (20.56)	
Clearance (limits)	Top land	.0344 - .0420
	Skirt Top	0.0018 - 0.0026
	Bottom	
Ring groove diameter	No. 1 ring	90.119 - 90.373 (3.548 - 3.558)
	No. 2 ring	90.119 - 90.373 (3.548 - 3.558)
	No. 3 ring	91.237 - 91.491 (3.592 - 3.602)

**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
Compres- sion	Description — material, coating, etc.	Cast Iron Alloy, Barrell Face Moly. Filled Groove Cast Iron Alloy, Taper Face Scraper Groove, Phosphate Coated
	Width	#1 and 2 1.98 - 1.96 (0.078 - 0.077)
	Gap	0.254 - 0.508 (0.010 - 0.020)
Oil	Description — material, coating, etc.	Multi-Piece: 2 rails and 1 spacer expander. Rails: Steel (SAE 1070) Chrome Plated, Black Oxide Coated Side. Spacer-Expander: Steel (AISI-C 1075)
	Width — Groove	3.76 - 3.96 (0.148 - 0.156)
	Gap	Rails Only: 0.381 - 1.397 (0.015 - 0.055)
Expanders	Part of Oil Ring Assembly	

**Engine — Piston Pins**

Material	Steel (SAE 5015) Heat Treated	
Length	77.216 - 76.454 (3.040 - 3.010)	
Diameter	23.175 - 23.162 (0.9124 - 0.9119)	
Type	Locked in rod, in piston, floating, etc.	Press Fit in Rod
	Bushing	In rod or piston None
	Material	--
Clearance	In piston	0.0051 - 0.0102 (0.0002 - 0.0004)
	In rod	Press Fit
Direction & amount offset in piston	1.588 (0.0625) Right	

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 Engine Code

2.3L  
 (140 CID)

**Engine — Connecting Rods**

Material		Forged Steel, I-Beam SAE-1041-H or SAE-1541-H
Mass, g (weight, oz.)		626-642 (22.08-22.64)
Length (center to center)		132.24-132.16 (5.203-5.206)
Bearing	Material & type (a)	Plated Copper-Lead Alloy on Steel Back - Replaceable Insert
	Overall length	20.1-20.3 (0.79-0.80)
	Clearance (limits)	0.020-0.061 (0.0008-0.0024)
	End play	0.089-0.267 (0.0035-0.0105)

**Engine — Crankshaft**

Material		Nodular Cast Iron Alloy	
Vibration damper type		None	
End thrust taken by bearing (no.)		No. 3	
Crankshaft end play		0.10-0.20 (0.004-0.008)	
Main bearing	Material & type (a)		Plated Copper-Lead on Steel Back
	Clearance		.020-.066 (.0008-.0026)
	Journal dia. and bearing overall length	No. 1	60.93 x 24.00 (2.399 x .945)
		No. 2	60.93 x 24.00 (2.399 x .945)
		No. 3	60.93 x 30.33 (2.399 x 1.194)
		No. 4	60.93 x 24.00 (2.399 x .945)
		No. 5	60.93 x 24.00 (2.399 x .945)
		No. 6	---
		No. 7	---
	Dir. & amt. cyl. offset		None
No. bolts/main brg. cap		2	
Crankpin journal diameter		52.00 - 51.98 (2.0472 - 2.0465)	

**Engine — Camshaft**

Location		Cylinder Head	
Material		Hardenable Cast Iron, Phosphate Coated	
Bearings	Material (a)	Aluminum Alloy on Steel Back	
	Number	Four	
Type of drive	Gear, chain or belt		Belt, Cogged Gilmer Type
	Crankshaft gear or sprocket material		Sintered Iron
	Camshaft gear or sprocket material		Sintered Iron or Cast Iron
	Timing chain	No. of links	Neoprene (b) 129 teeth
	Chain or belt	Width	21.8 - 22.8 (0.86 - 0.90)
		Pitch	9.525 (0.375)

(a) Replaceable Inserts

(b) Glass Reinforced, Nylon Fabric Faced

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Engine Description/Carb.  
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3.3L  
 (200 CID)

**Engine -- Connecting Rods**

Material		Forged Steel (SAE 1541-H or SAE 1151-M)
Mass, g (weight, oz.)		569-557 (19.64-20.07)
Length (center to center)		129.24-129.32 (5.0885-5.0915)
Bearing	Material & type	Plated Aluminum Tin or Plated Copper - Lead Alloy on Steel Back Replaceable Insert
	Overall length	18.44-17.93 (0.726-0.706)
	Clearance (limits)	0.020-0.066 (.0008-.0026)
	End play	0.254-0.508 (0.010-0.020)

**Engine -- Crankshaft**

Material		Nodular Cast Iron Alloy, Green Sand Process	
Vibration damper type		Tuned, Elastic Suspended, Inertia Member	
End thrust taken by bearing (no.)		Three	
Crankshaft end play		0.10-0.20 (0.004-0.008)	
Main bearing	Material & type (a)	Lead Base Babbitt on Steel Back	
	Clearance	0.018-0.061 (0.0007-0.0024)	
	Journal dia. and bearing overall length	No. 1	57.11 x 25.78 (2.249 x 1.015)
		No. 2	57.11 x 25.78 (2.249 x 1.015)
		No. 3	57.11 x 25.78 (2.249 x 1.015)
		No. 4	57.11 x 25.78 (2.249 x 1.015)
		No. 5	57.11 x 32.26 (2.249 x 1.270)
		No. 6	57.11 x 25.78 (2.249 x 1.015)
		No. 7	57.11 x 25.78 (2.249 x 1.015)
	Dir. & amt. cyl. offset	---	
No. bolts/main brg. cap	Two		
Crankpin journal diameter		53.939-53.919 (2.1236-2.1228)	

**Engine -- Camshaft**

Location		In Block	
Material		Special Alloy Iron, Green Sand Molded, Induction Hardened Phosphate Coated	
Bearings	Material	Lead Base Babbitt on Steel Back (a)	
	Number	Five	
Type of drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		Sintered Iron
	Camshaft gear or sprocket material		Aluminum Die Cast Body, Molded Nylon Teeth
	Timing chain	No. of links	58
	Chain or belt	Width	19.35 (0.762)
		Pitch	9.525 (0.375)

(a) Replaceable Inserts

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**Engine - Connecting Rods**

Material		Forged Steel (SAE 1541-H or SAE 1151-M)
Mass, g (weight, oz.)		569 - 557 (19.64 - 20.07)
Length (center to center)		129.24 - 129.32 (5.0885 - 5.0915)
Bearing	Material & type	Plated Aluminum Tin or Plated Copper-Lead Alloy on Steel Back Replaceable Insert
	Overall length	18.44 - 17.93 (0.726 - 0.706)
	Clearance (limits)	0.020 - 0.066 (.0008 - .0026)
	End play	0.254 - 0.508 (0.010 - 0.020)

**Engine - Crankshaft**

Material		Nodular Cast Iron Alloy, Green Sand Process		
Vibration damper type		Tuned, Elastic Suspended, Inertia Member		
End thrust taken by bearing (no.)		Three		
Crankshaft end play		0.10 - 0.20 (0.004 - 0.008)		
Main bearing	Material & type	Plated Copper - Lead Alloy on Steel Back		
	Clearance	(b)		
	Journal dia. and bearing overall length	No. 1	57.114 x 22.352 (2.249 x 0.880)	
		No. 2	57.114 x 22.352 (2.249 x 0.880)	
		No. 3	57.114 x 28.753 (2.249 x 1.132)	
		No. 4	57.114 x 22.352 (2.249 x 0.880)	
		No. 5	57.114 x 22.352 (2.249 x 0.880)	
		No. 6	-	
		No. 7	-	
	Dir. & amt. cyl. offset	R. B. Leads 17.92 (0.84)		
No. bolts/main brg. cap	Two			
Crankpin journal diameter		53.929 (2.1232)		

**Engine - Camshaft**

Location		In Block	
Material		Special Alloy Iron, Green Sand Molded, Induction Hardened Phosphate Coated	
Bearings	Material	Lead Base Babbitt on Steel Back (a)	
	Number	Five	
Type of drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		Sintered Iron
	Camshaft gear or sprocket material		Aluminum Die Cast Body, Molded Nylon Teeth
	Timing chain	No. of links	58
	Chain or belt	Width	16.05 - 16.18 (0.632 - 0.637)
		Pitch	9.525 (0.375)

(a) Replaceable Inserts

(b) No. 1 - 0.0025 - 0.0508 (0.0001 - 0.0020); Nos. 2-5 = 0.0127 - 0.0610 (0.0005 - 0.0024)

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**Engine - Connecting Rods**

Material	Forged Steel	SAE 1541H or 1151M
Mass, g (weight, oz.)	557	(19.64)
Length (center to center)	129.3	(5.090)
Bearing	Material & type	Aluminum Tin (Unplated)
	Overall length	18.44 - 17.93 (0.726 - 0.706)
	Clearance (limits)	0.018 - 0.051 (0.0007 - 0.002)
	End play	0.254 - 0.508 (0.010 - 0.020)

**Engine - Crankshaft**

Material		Nodular Cast Iron	
Vibration damper type		Tuned, Elastic Suspended, Inertia Member	
End thrust taken by bearing (no.)		Three	
Crankshaft end play		0.102 - 0.203 (0.004 - 0.008)	
Main bearing	Material & type	Plated Copper - Lead Alloy on Steel Backs	
	Clearance	(0.0005 - .0024)	
	Journal dia. and bearing overall length	No. 1	2.2486 x 0.880
		No. 2	2.2486 x 0.880
		No. 3	2.2486 x 1.132
		No. 4	2.2486 x 0.880
		No. 5	2.2486 x 0.880
		No. 6	-
		No. 7	-
	Dir. & amt. cyl. offset	R.B. Leads 17.92 (0.84)	
No. bolts/main brg. cap	2		
Crankpin journal diameter		53.929 (2.1232)	

**Engine - Camshaft**

Location		In Block	
Material		Special Alloy Cast Iron Induction Hardened Phosphate	
Bearings	Material	Lead Base Babbitt on Steel Back (a)	
	Number	Five	
Type of drive	Gear, chain or belt		Chain (Double Roller)
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Cast Iron
	Timing chain	No. of links	58
	Chain or belt	Width	21.97 - 22.23 (.865 - .875)
Pitch		9.525 (0.375)	

a) Replaceable Inserts



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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Engine - Valve System**

Hydraulic lifters (std., opt., n.a.)			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 (*BTC)	66
		Duration (deg.)	268
	Exhaust	Opens (*BTC)	64
		Closes (*BTC)	24
		Duration (deg.)	268
	Valve open overlap (deg.)		46
Intake valve	Material		SAE-1547 Steel Alum. Head
	Overall length		121.6 (4.787)
	Actual overall head dia.		44.07 (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		8.69 - 8.68 (.3423 - .3416)
	Stem to guide clearance		.025 - .069 (.001 - .0027)
	Lift (at zero lash)		10.16 (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	
Overall length		122.10 (4.807)	
Actual overall head dia.		38.10 (1.500)	
Angle of seat & face (deg.)		Seat 44° 30' to 45°; Face 45° 30' to 45° 45'	
Seat insert material		None	
Stem diameter		8.682 - 8.664 (0.3418 - 0.3411)	
Stem to guide clearance		0.038 - 0.081 (0.0015 - 0.0032)	
Lift (at zero lash)		10.16 (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

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)         

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Engine - Valve System**

Hydraulic lifters (std., opt., n.a.)			Standard
Valve rotator, type (intake, exhaust)			Ford Free Turn Intake and Exhaust
Push rods (dia., length, material)			
Rocker ratio			1.52:1 (Int.), 1.51:1 (Exh.)
Operating tappet clearance (indicate hot or cold)	Intake		Zero
	Exhaust		Zero
Timing (based on top of ramp points)	Intake	Opens (*BTC)	20
		Closes (*BTC)	52
		Duration (deg.)	254
	Exhaust	Opens (*BTC)	59
		Closes (*BTC)	15
		Duration (deg.)	254
	Valve open overlap (deg.)		35
Intake valve	Material		SAE-1547 Steel, Alum. Head or SAE 1047 Steel, Alum. Head
	Overall length		108.2 (4.26)
	Actual overall head dia.		44.70-44.25 (1.76-1.74)
	Angle of seat & face (deg.)		Seat 44° 30' to 45°, Face 45° 30' to 45° 35'
	Seat insert material		---
	Stem diameter		7.78-7.87 (.311-.310)
	Stem to guide clearance		.020-.063 (.0008-.0025)
	Lift (at zero lash)		9.32 (0.367)
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	254 @ 40.13 (57 @ 1.58)
		Valve open— N at mm (lb. at in.)	694 @ 30.48 (156 @ 1.20)
	Inner spring press. & length	Valve closed— N at mm (lb. at in.)	---
		Valve open— N at mm (lb. at in.)	---
	Exhaust valve	Material	
Overall length		108.2 (4.26)	
Actual overall head dia.		35.5 - 35.1 (1.39 - 1.38)	
Angle of seat & face (deg.)		Seat 44° 30' to 45°, Face 45° 30' to 45° 45'	
Seat insert material		---	
Stem diameter		7.89 - 7.87 (0.311 - 0.310)	
Stem to guide clearance		0.025 - 0.069 (0.001 - 0.0027)	
Lift (at zero lash)		9.32 (0.367)	
Outer spring press. & length		Valve closed— N at mm (lb. at in.)	254 @ 40.13 (57 @ 1.58)
		Valve open— N at mm (lb. at in.)	658 @ 31.24 (148 @ 1.23)
Inner spring press. & length		Valve closed— N at mm (lb. at in.)	---
		Valve open— N at mm (lb. at in.)	---

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**Engine - Valve System**

Hydraulic lifters (std., opt., n.a.)			Standard
Valve rotator, type (intake, exhaust)			Positive on Exhaust 2-Piece on Intake
Push rods (dia., length, material)			7.899/175.39 (0.311/6.905 Steel)
Rocker ratio			1.58:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero
	Exhaust		Zero
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16
		Closes (*BTC)	48
		Duration (deg.)	244
	Exhaust	Opens (*BTC)	57
		Closes (*BTC)	19
		Duration (deg.)	256
	Valve open overlap (deg.)		35
Intake valve	Material		SAE-1547 Steel, Alum. Head
	Overall length		128.78 (5.07)
	Actual overall head dia.		42.67 (1.68)
	Angle of seat & face (deg.)		Seat 44°30' to 45°, Face 45°30' to 45°45'
	Seat insert material		-
	Stem diameter		8.676 - 8.694 (.3416 - .3423)
	Stem to guide clearance		0.025 - 0.069 (0.0010 - 0.0027)
	Lift (at zero lash)		9.55 (0.376)
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	347 @ 45.2 (78 @ 1.78)
		Valve open— N at mm (lb. at in.)	854 @ 35.6 (192 @ 1.4)
	Inner spring press. & length	Valve closed— N at mm (lb. at in.)	-
		Valve open— N at mm (lb. at in.)	-
Exhaust valve	Material		Forged 21-2N Head, 8645 Stem, Non Aluminized
	Overall length		127.3 (5.01)
	Actual overall head dia.		36.83 (1.45)
	Angle of seat & face (deg.)		Seat 44°30' to 45°, Face 45°30' to 45°45'
	Seat insert material		Induction Hardened
	Stem diameter		8.682 - 8.664 (0.3418 - 0.3411)
	Stem to guide clearance		.038 - 0.081 (0.0015 - 0.0032)
	Lift (at zero lash)		9.55 (0.376)
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	343 @ 40.9 (77 @ 1.6)
		Valve open— N at mm (lb. at in.)	850 @ 31.2 (191 @ 1.23)
	Inner spring press. & length	Valve closed— N at mm (lb. at in.)	-
		Valve open— N at mm (lb. at in.)	-

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)         

Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**Engine - Valve System**

Hydraulic lifters (std., opt., n.a.)			Standard
Valve rotator, type (intake, exhaust)			Positive on Exhaust: 2-Piece on Intake
Push rods (dia., length, material)			(.312/6.88) Steel
Rocker ratio			1.61:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero
	Exhaust		Zero
Timing (based on top of ramp points)	Intake	Opens (*BTC)	15
		Closes (ABC)	65
		Duration (deg.)	260
	Exhaust	Opens (ABC)	68
		Closes (ATC)	26
		Duration (deg.)	274
Valve open overlap (deg.)		41	
Intake valve	Material		Steel (SAE-1547) Phosphate Coated Stem
	Overall length		128.78 (5.07)
	Actual overall head dia.		45.2 (1.78)
	Angle of seat & face (deg.)		Seat 45°; Face 45°
	Seat insert material		None
	Stem diameter		(0.3423 - 0.3416)
	Stem to guide clearance		(0.0010 - 0.0027)
	Lift (at zero lash)		(0.375)
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	351 @ 45.2 (78 @ 1.78)
		Valve open— N at mm (lb. at in.)	880 @ 34.5 (194 @ 1.36)
	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	
Overall length		128.78 (5.07)	
Actual overall head dia.		36.83 (1.45)	
Angle of seat & face (deg.)		Seat 45°; Face 45°	
Seat insert material		None (Induction Hardened)	
Stem diameter		(0.3418 - 0.3411)	
Stem to guide clearance		(0.0015 - 0.0032)	
Lift (at zero lash)		9.931 (0.391)	
Outer spring press. & length		Valve closed— N at mm (lb. at in.)	340 @ 40.6 (75 @ 1.60)
		Valve open— N at mm (lb. at in.)	921 @ 29.5 (203 @ 1.16)
Inner spring press. & length		Valve closed— N at mm (lb. at in.)	None
		Valve open— N at mm (lb. at in.)	None

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**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		Gerotor
Normal oil pressure-kPa (psi) at engine rpm		345 (50) 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.)		3.8(3.5)Plus 0.9(1.0) for Filter 4.4 (4.0)Plus 0.9(1.0) for <sup>Filter</sup>
Oil grade recommended (SAE viscosity and temperature range)		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
Engine service reqmt. (SD, SE, etc.)		SE (Ford Specification ESE-M2C-153-A)

**Engine - Exhaust System**

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		N.A.
Exhaust pipe	Branch O.D., wall thickness	N.A.
	Main O.D., wall thickness	N.A.
	Material	N.A.
Inter-mediate pipe	O.D. & wall thickness	50.8 x 1.75 (2.00 x 0.069)
	Material	Low Carbon Steel
Tail pipe	O.D. & wall thickness	47.8 x 1.37 (1.88 x 0.054)
	Material	Aluminized

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

Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Engine -- Lubrication System**

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist & Spray
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Drip
	Cylinder walls	Squirt and Splash
Oil pump type	Rotor	
Normal oil pressure-kPa (psi) at engine rpm	276-414 (40-60) @ 2000	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part, other)	Full Flow	
Capacity of c/case, less filter-refill-L (qt.)	3.8 Plus 0.9 for Filter (4.0 Plus 1.0 for Filter)	
Oil grade recommended (SAE viscosity and temperature range)	Multi-Viscosity	Single Viscosity
	+10°F & Above - SAE 20W-40	+60°F & Above - SAE 40
	-10°F to +90°F - SAE 10W-30 or 40	+32°F to 90°F - SAE 30
	-32°F to +32°F - SAE 5W-30	-10°F to +32°F - SAE 20-20W
Engine service reqmt. (SD, SE, etc.)	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)		One, Reverse Flow
Resonator no. & type		N.A.
Exhaust pipe	Branch O.D., wall thickness	N.A.
	Main O.D., wall thickness	N.A.
	Material	N.A.
Inter-mediate pipe	O.D. & wall thickness	50.8 x 1.75 (2.00 x .069) (a)
	Material	Low Carbon Steel
Tail pipe	O.D. & wall thickness	47.8 x 1.37 (1.88 x 0.054)
	Material	Aluminized

(a) Solid

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

4.2L  
 • (255 - 2V/VV)

**Engine - Lubrication System**

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist and Spray
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Drip
	Cylinder walls	Splash
Oil pump type		Rotor
Normal oil pressure-kPa (psi) at engine rpm		276 - 414 (40 - 60) @ 2000
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part, other)		Full Flow
Capacity of c/case, less filter-refill-L (qt.)		3.8 plus 0.9 for Filter (4.0 plus 1.0 for Filter)
Oil grade recommended (SAE viscosity and temperature range)		Multi-Viscosity
		Single Viscosity
		+10F & Above - SAE 20W-40      +60F & Above - SAE 40
		-10F to +90F - SAE 10W-30      +32F to +90F - SAE 30
		or 40
		-32F to +32F - SAE 5W-30      -10F to +32F - SAE 20-20W
Engine service reqmt. (SD, SE, etc.)		SE (Ford Specification ESE-M2C-144-A)

**Engine - Exhaust System**

Type (single, single with cross-over, dual, other)		Single with "Y" System
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		None
Exhaust pipe	Branch O.D. wall thickness	N.A.
	Main O.D. wall thickness	N.A.
	Material	N.A.
Inter-mediate pipe	O.D. & wall thickness	50.8 x 1.75 (2.00 x .069)
	Material	L. C. Steel
Tail pipe	O.D. & wall thickness	50.8 x 1.37 (2.00 x .054)
	Material	Alum. L. C. Steel

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

5.0L  
 (302 - 2V)

**Engine - Lubrication System**

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist and Spray
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Drip
	Cylinder walls	Splash
Oil pump type		Rotor
Normal oil pressure-kPa (psi) at engine rpm		276-414 (40-60) @ 2000
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part, other)		Full Flow
Capacity of c/case, less filter-refill-L (qt.)		3.8 plus 0.9 for Filter (4.0 plus 1.0 for Filter)
Oil grade recommended (SAE viscosity and temperature range)		Multi-Viscosity
		Single Viscosity
		+10F & Above - SAE 20W-40      +60F & Above - SAE 40
		-10F to +90F - SAE 10W-30      +32F to +90F - SAE 30 or 40
		-32F to +32F - SAE 5W-30      -10F to +32F - SAE 20-20W
Engine service reqmt. (SD, SE, etc.)		SE (Ford Specification ESE-M2C-144-A)

**Engine - Exhaust System**

Type (single, single with cross-over, dual, other)		Single with "Y" System
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		None
Exhaust pipe	Branch O.D., wall thickness	N.A.
	Main O.D., wall thickness	N.A.
	Material	N.A.
Inter-mediate pipe	O.D. & wall thickness	63.5 x 1.75 (2.50 x .069)
	Material	L. C. Steel
Tail pipe	O.D. & wall thickness	63.5 x 1.75 (2.50 x .069)
	Material	Alum. L. C. Steel



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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

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

Induction type: carburetor, fuel injection system, etc.		Carburetor (downdraft)	
Fuel tank	Refill capacity — L (U.S. gals.)	58.3 (15.4)	
	Filler location	Right Rear Side	
Fuel pump	Type (elec. or mech.)	Mechanical	
	Locations	Left Side of Engine	
	Pressure range — kPa (psi)	37.9 - 44.8 (5.5 - 6.5)	
Carburetor	Mfr. & model		
	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
		Propane (neu.)	
		Automatic	750 (Drive)
Propane (neu.)			
Idle A/F mix.		N.A.	

**Engine — Diesel Information — NOT OFFERED**

Glow plug		
Injector nozzle	Type	
	Opening pressure—kPa. (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

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

Induction type: carburetor, fuel injection system, etc.		Carburetor (Downdraft)	
Fuel tank	Refill capacity — L (U.S. gals.)	58.3 (15.4)	
	Filler location	Right Quarter Panel	
Fuel pump	Type (elec. or mech.)	Mechanical	
	Locations	Engine Left Side	
	Pressure range — kPa (psi)	41.4 — 55.2 (6.0 — 8.0)	
Carburetor	Migr. & model		
	Choke type		Automatic, Electrically Operated
	Intake manifold heat control (exhaust or water)		Exhaust
	Air cleaner type	Standard	Dry Replaceable Element — Hot & Cold Air Control
		Optional	None
	Idle spd.-rpm (spec. neutral or drive)	Manual	N.A.
		Propane (neu.)	N.A.
		Automatic	700 (Dr.)
	Propane (neu.)	20-60 Gain	
Idle A/F mix.			

**Engine — Diesel Information -- NOT OFFERED**

Glow plug		
Injector nozzle	Type	
	Opening pressure — kPa. (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

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

Induction type: carburetor, fuel injection system, etc.		<u>Carburetor (Downdraft)</u>	
Fuel tank	Refill capacity — L (U.S. gals.)	<u>58.3 (15.4)</u>	
	Filler location	<u>Right Quarter Panel</u>	
Fuel pump	Type (elec. or mech.)	<u>Mechanical</u>	
	Locations	<u>Engine Left Side</u>	
	Pressure range — kPa (psi)	<u>41.4 - 55.2 (6.0 - 8.0)</u>	
Carburetor	Mfgr. & model		
	Choke type		<u>Automatic, Electrically Operated</u>
	Intake manifold heat control (exhaust or water)		<u>Exhaust</u>
	Air cleaner type	Standard	<u>Dry Replaceable Element - Hot &amp; Cold Air Control</u>
		Optional	<u>None</u>
	Idle spd.-rpm (spec. neutral or drive)	Manual	<u>N.A.</u>
		Propane (neu.)	
		Automatic	<u>500 (DR.)</u>
Propane (neu.)			
Idle A/F mix.			

**Engine — Diesel Information**

Glow plug		
Injector nozzle	Type	
	Opening pressure—kPa, (psi)	
Pre-chamber design		<u>(Diesel Engine Not Offered)</u>
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

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

Induction type: carburetor, fuel injection system, etc.		Carburetor Downdraft	
Fuel tank	Refill capacity — L (U.S. gals.)	58.3 (15.4)	
	Filler location	Right Quarter Panel	
Fuel pump	Type (elec. or mech.)	Mechanical with Fuel Return Line	
	Locations	Left Side of Engine	
	Pressure range — kPa (psi)	44.8 - 55.2 (6.5 - 8.0) (a)	
Carburetor	Mfr. & model		
	Choke type		
	Intake manifold heat control (exhaust or water)		
	Exhaust		
	Air cleaner type	Standard	Dry Replaceable Element
		Optional	None
	Idle spd.-rpm (spec. neutral or drive)	Manual	N.A.
		Propane (neu.)	
Automatic		700 Neutral	
Idle A/F mix.			

(a) With return line blocked

**Engine — Diesel Information**

Glow plug		
Injector nozzle	Type	
	Opening pressure — kPa, (psi)	
Pre-chamber design		(Diesel Engine Not Offered)
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Engine - Cooling System**

Coolant recovery system (std., opt., none)		Pressure	
Radiator cap relief valve pressure - kPa(PSI)		82.7-110.3 (12-16) (a)	
Circulation thermostat	Type (choke, bypass)	By-Pass	
	Starts to open at °C (°F)	87-91 (188-195)	
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)		Cross Flow - Tube and Slit Fin	
Cooling system capacity	With heater - L(qt.)	9.7 (10.2)	
	Without heater - L(qt.)	N.A.	
	Opt. equipment-specify - L(qt.)	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 (core)	Standard	Width	623.3 (24.5)
		Height	452.1 (17.8)
		Thickness	37.8 (1.49)
	A/C	Width	623.3 (24.5)
		Height	453.1 (17.8)
		Thickness	37.8 (1.49)
	Heavy duty	Width	N.A.
		Height	
		Thickness	
Fan (standard)	Number of blades & type - flex/solid		4 Uneven
	Diameter		406.6 (16.00)
	Ratio - fan to crankshaft rev.		1.05:1
	Fan cutout type		None
	Drive type-number of fans		
Fan (optional)	No. of blades and spacing		4 Uneven - Elec. Motor Driven
	Diameter		355.6 (14.00)
	Ratio - fan to crankshaft rev.		1500 RPM - Constant
	Fan cut-out type		Temp. Switch (Top Water)
	Drive type-number of fans		

(a) 96.5 - 124.1 (14-18) with A/C.

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Engine - Cooling System**

Coolant recovery system (std., opt., none)			
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	16	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
	Bearing type	Double Row, Sealed, Ball and Roller	
By-pass recirculation type (inter., ext.)		External	
Radiator core type (cross-flow vertical, cellular, tube and fin, other)		Crossflow, Tube and Fin	
Cooling system capacity	With heater—L(qt.)	(8.4)	
	Without heater—L(qt.)	(7.6)	
	Opt. equipment-specify—L(qt.)	(8.4) 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	(a)
	Upper	Number and type (molded, straight)	One-Molded
		Inside diameter	32 (1.25) at Radiator; 38 (1.50) at Water Pump
	By-pass	Number and type (molded, straight)	None
		Inside diameter	---
Radiator (core)	Standard	Width	622.3 (24.50)
		Height	453.1 (17.84)
		Thickness	20.6 (0.81)
	A/C	Width	622.3 (24.50)
		Height	453.1 (17.84)
		Thickness	20.6 (0.81)
	Heavy duty	Width	---
		Height	---
		Thickness	---
Fan (standard)	Number of blades & type - flex/solid		Five Uneven
	Diameter		457.2 (18.0)
	Ratio - fan to crankshaft rev.		1.25:1
	Fan cutout type		Clutch-Viscous 130°F Cut-In Temp.
	Drive type-number of fans		Clutch - One
Fan (optional)	No. of blades and spacing		Five Uneven
	Diameter		457.2 (18.0)
	Ratio - fan to crankshaft rev.		1.25:1
	Fan cut-out type		Clutch Viscous 155°F Cut-In Temp.
	Drive type-number of fans		Clutch - One

(a) 38 (1.50) at Radiator; 44.5 (1.75) at Water Pump.

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)           

Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**Engine - Cooling System**

Coolant recovery system (std., opt., none)			
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	16	
	Number of pumps	One	
	Drive (V-belt, other)	Serpentine Poly-V Belt	
	Bearing type	Double Row, Sealed, Ball & Roller	
By-pass recirculation type (inter., ext.)		External	
Radiator core type (cross-flow vertical, cellular, tube and fin, other)		Crossflow, Tube & Slit Fin	
Cooling system capacity	With heater—L(qt.)	13.9 (14.7)	
	Without heater—L(qt.)	13.3 (14.1)	
	Opt. equipment-specify—L(qt.)	14.2 (15.0) - 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	38 (1.50) at Radiator; 44.5 (1.75) at Water Pump
	Upper	Number and type (molded, straight)	One-Molded
		Inside diameter	38 (1.50) at Water Pump; 32 (1.25) at Radiator
	By-pass	Number and type (molded, straight)	One-Molded
		Inside diameter	15.6 (0.615)
Radiator (core)	Standard	Width	622.3 (24.50)
		Height	453.2 (17.84)
		Thickness	37.8 (1.49)
	A/C	Width	622.3 (24.50)
		Height	453.1 (17.84)
		Thickness	37.8 (1.49)
	Heavy duty	Width	-
		Height	-
		Thickness	-
Fan (standard)	Number of blades & type - flex/solid		7 Even - Solid
	Diameter		444.5 (17.5)
	Ratio - fan to crankshaft rev.		1.25:1
	Fan cutout type		Clutch
	Drive type-number of fans		
Fan (optional)	No. of blades and spacing		7 Even - Solid
	Diameter		444.5 (17.5)
	Ratio - fan to crankshaft rev.		1.25:1
	Fan cut-out type		Clutch
	Drive type-number of fans		

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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)         

Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**Engine -- Cooling System**

Coolant recovery system (std., opt., none)		Standard	
Radiator cap relief valve pressure - kPa(PSI)		96.5 - 124.0 (14 - 18 PSI)	
Circulation thermostat	Type (choke, bypass)	Choke - Poppet or Sleeve Valve	
	Starts to open at °C (°F)	89.5 - 93.4, Full Open 105 (193° - 200°, Full Open 221°)	
Water pump	Type (centrifugal, other)	Centrifugal	
	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)		Crossflow, Tube & Slit Fin	
Cooling system capacity	With heater - L(qt.)	12.4 (13.3) (13.1)	
	Without heater - L(qt.)	--	
	Opt. equipment-specify - L(qt.)	12.7 (13.4) - 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	(1.50) at Radiator, (1.75) at Water Pump
	Upper	Number and type (molded, straight)	One Molded
		Inside diameter	(1.25) at Radiator, (1.50) at Engine Water Outlet
	By-pass	Number and type (molded, straight)	One Molded
		Inside diameter	15.6 (0.615)
Radiator (core)	Standard	Width	622 (24.5)
		Height	453.1 (17.84)
		Thickness	20.6 (0.81)
	A/C	Width	622 (24.5)
		Height	453.1 (17.84)
		Thickness	37.8 (1.49)
	Heavy duty	Width	--
		Height	--
		Thickness	--
Fan (standard)	Number of blades & type - flex/solid		5 Uneven - Solid
	Diameter		469.9 (18.5)
	Ratio - fan to crankshaft rev.		1.25:1
	Fan cutout type		Clutch
Non A/C	Drive type-number of fans		Belt Driven - 1
Fan (optional)	No. of blades and spacing		5 Uneven - Solid
	Diameter		469.9 (18.5)
	Ratio - fan to crankshaft rev.		1.25:1
	Fan cut-out type		Clutch
A/C	Drive type-number of fans		Belt Driven - 1



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Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Vehicle Emission Control**

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle, Engine, Carb. and Distributor Modifications Plus Exhaust Gas Recirculation and Air Injection
	Air Injection Pump	Type	Vane Type, Constant Displacement
		Displacement—cm <sup>3</sup> (in <sup>3</sup> )	311 (19) M/T; 180 (11) A/T
		Drive ratio	0.95:1 M/T; 1.20 A/T
		Drive type	Belt
		Relief valve (type)	None
		Filter (describe)	Centrifugal; Pump Mounted Filter Pack
	Air Injection System	Air distribution (head, manifold, etc.)	Exhaust Manifold & Cylinder Head
		Point of entry	Exhaust Port in Cyl. Head (3-Port all COC; 4-Port TWC)
		Injection tube i.d.(Drilled)	8.6 (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
		Valve location	Carb. Spacer
		Control energy source	Carb. Port
		Exhaust source	External Tube
		Exhaust cooler type	None
		Orifice no. and size	None - Tapered Stem One
		Point of exhaust injection (spacer, carburetor, manifold, other)	Carburetor Spacer
Catalytic Converter System	Catalyst	Type	Monolithic
		Volume—L(in <sup>3</sup> )	
	Substrate type	Coated Ceramic Monolith	
	Container location	49S - Under Body & Toeboard; Calif. - Underbody Only	
	No. of Converters	Two (49S); One (Calif.)	
Other Exh. Gas Catalytic Conversion System	Conv. Size—(in <sup>3</sup> )	(42) Under Toeboard & (55) Underbody - 49S; (160) Underbody - Calif.	

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Vehicle Emission Control**

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle, Engine, Carb. and Dist. Modifications Plus Exhaust Gas Recirculation and Air Injection	
	Air Injection Pump	Type	Vane Type, Constant Displacement	
		Displacement—cm <sup>3</sup> (in <sup>3</sup> )	311 (19)	
		Drive ratio	1.36:1	
		Drive type	Belt	
		Relief valve (type)	None	
		Filter (describe)	Centrifugal	
	Air Injection System	Air distribution (head, manifold, etc.)	External Air Manifold & Downstream to Exhaust Pipe	
		Point of entry	(a)	
		Injection tube i.d.	6.4 (0.25) Multiple, 19 (0.75) Downstream	
		Check valve type	Diaphragm	
	Exhaust Gas Recirculation System	Backfire protection (type)		By-Pass Valve
		Type (controlled flow, open orifice, other)	Controlled Flow	
			Valve type	Tapered Pintle, Exhaust Back Pressure Modulated
			Valve location	Intake Manifold
			Control energy source	Carb. Port. Vac.
			Exhaust source	External Tube from Exhaust Manifold
			Exhaust cooler type	None
			Orifice no. and size	3.18-11.43 (0.125-0.45)
	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold		
Catalytic Converter System	Catalyst	Type	Monolithic	
		Volume—L(in <sup>3</sup> )	(b)	
	Substrate type	Coated Ceramic Monolith		
	Container location	(1) Transverse Mounted Under Trans. Ext. Housing, and (2) Exhaust Manifold Flange		
Other	No. of Converters	Two		

(a) Multiple entry to exhaust manifold and before underbody catalyst.

(b) 2.3 (66 in.<sup>3</sup>) 49S, 2.5 (62 in.<sup>3</sup>) Calif. Underbody: 2.7L (156); Flange Mt. 1.4L (84).

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Car Line MUSTANG

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Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**Vehicle Emission Control**

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle & Engine Modifications Plus Exhaust Gas Recirculation & Air Injection	
	Air Injection Pump	Type	Vane Type, Constant Displacement	
		Displacement—cm <sup>3</sup> (in <sup>3</sup> )	311 (19)	
		Drive ratio	1.34:1	
		Drive type	Poly-V Belt	
		Relief valve (type)	None	
		Filter (describe)	Centrifugal	
	Air Injection System	Air distribution (head, manifold, etc.)	Cylinder Head/ Catalyst	
		Point of entry	Cyl. Head Exhaust Ports or Catalyst Mid-Bed	
		Injection tube i.d.	6.4 (0.25) Cyl. Hd., 17.27 (0.680) Catalyst	
		Check valve type	Diaphragm	
		Backfire protection (type)	Check Valve	
	Exhaust Gas Recircula- tion System	Type (controlled flow, open orifice, other)		Controlled Flow
		Valve type		Tapered Pintle
		Valve location		Intake Manifold
		Control energy source		Carb. Port. Vacuum
		Exhaust source		Int. Man. Crossover
		Exhaust cooler type		None
		Orifice no. and size		10.69 (0.42)
	Catalytic Converter System	Catalyst	Type	Monolithic
			Volume—L (in <sup>3</sup> )	Underbody: 1.8L (110); Flange Mt.; 0.69L (42)
		Substrate type		Coated Ceramic Monolith
		Container location		(1) Transverse Mounted Under Trans Exh. Housing, and (1) Rt. Exhaust Man. Flange
	Other	No. of Converters		Two

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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**Vehicle Emission Control**

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle and Engine Modifications Plus Exhaust Gas Recirculation and Air Injection (a)	
	Air Injection Pump	Type	Vane	
		Displacement—cm <sup>3</sup> (in <sup>3</sup> )	314 (19 in. <sup>3</sup> ) Constant Displacement	
		Drive ratio	1.34:1	
		Drive type	Belt	
		Relief valve (type)	Integral w/Bypass Valve	
		Filter (describe)	Centrifugal	
	Air Injection System	Air distribution (head, manifold, etc.)	Cyl. Head/Catalyst	
		Point of entry	Multiple	
		Injection tube i.d.	6.35 (0.25) Multiple at Cyl. Head	
		Check valve type	Diaphragm	
		Backfire protection (type)	By-Pass Valve	
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Back Pressure	
		Valve type	Poppet or Tapered Stem (a)	
		Valve location	Intake Manifold	
		Control energy source	Carb. Port.	
		Exhaust source	Intake Crossover Manifold	
		Exhaust cooler type	None	
		Orifice no. and size	None	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
	Catalytic Converter System	Catalyst	Type	TWC/COC
			Volume—L(in <sup>3</sup> )	.90 (55)
		Substrate type	Monolith	
		Container location	(1) Underbody	
Other	No. of Converters		Two	

(a) Components Vary According to Engine Calibration.

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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

2.3L  
 (140 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	Ford E1ZE-AA
		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)		Carb. Spacer
		Air inlet (breather cap, other)		Carb. Air Cleaner
		Flame arrestor (screen, other)		Emission Valve & (a) & (b)
Evaporative Emission Control	Fuel tank	Thermal expansion volume—dm <sup>3</sup> (ft <sup>3</sup> )		2.12 (.075)
		Relief pressure kPa (psi) and location		11.0 (1.6) Min. Opening Press; Orifice Assy. in Tank Plus Valve in Filler Cap.
		Vacuum relief kPa (psi) and location		3.5 (0.50) Max. Opening Press; Orifice Assy. in Tank Plus Valve in Filler Cap.
		Vapor-liquid separator type		Orifice and Float Valve Assy. in Top of Fuel Tank
		Vapor vented to (crankcase, canister, other)		Carbon Canister
	Carbu- retor	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 <sup>3</sup> (ft <sup>3</sup> ) (Milli- or capacity (grams) liter)		925
		Control valve type		Purge Valve

Other                      MCU System  
                                  (2.3L- Calif.)

The Microprocessor Control Unit (MCU) Controls  
 Feedback Carburetor, Canister Purge and  
 Secondary Air.

- (a) Filter  
 (b) Breather Cap

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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)           

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Vehicle Emission Control (continued)**

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction System
			Optional	None
	Control unit	Make and Model	D9BE-6A666-CA	
		Location	Front of Rocker Arm 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)	Carb. Spacer	
		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 <sup>3</sup> (ft <sup>3</sup> )	2.12 (.075)	
		Relief pressure kPa (psi) and location	Open Orifice Assy. in Tank, plus Valve in Filler Cap with 11.0 (1.6) Min. Opening Pressure	
		Vacuum relief kPa (psi) and location	Open Orifice Assy. in Tank, plus Valve in Filler Cap with 3.5 (0.5) Max. Opening Pressure	
		Vapor-liquid separator type	Orifice and Float Valve Assy. in Top of Fuel Tank	
		Vapor vented to (crankcase, canister, other)	Carbon Canister	
	Carbu- retor	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 <sup>3</sup> (ft <sup>3</sup> ) or capacity (grams)	925 ml	
		Control valve type	Purge Valve	

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

Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

4.2L  
 (255 - 2V/VV)

**Vehicle Emission Control (continued)**

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction System
			Optional	None
	Control unit	Make and Model		D8ZE-AB
		Location		Rocker Arm Cvr., Left Side
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
		Control method (variable orifice, fixed orifice, other)		Variable Orifice
	Complete system	Discharges (to intake manifold, other)		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 <sup>3</sup> (ft <sup>3</sup> )		2.12 (.075)
		Relief pressure kPa (psi) and location		Open Orifice Assembly in Tank, plus Valve in Filler Cap with 11.0 (1.6) Min. Opening Pressure
		Vacuum relief kPa (psi) and location		Open Orifice Assembly in Tank, plus Valve in Filler Cap with 3.5 (0.5) Max. Opening Pressure
		Vapor-liquid separator type		Orifice and Float Valve Assembly in Top of Fuel Tank
		Vapor vented to (crankcase, canister, other)		Carbon Canister
	Carbu- retor	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 <sup>3</sup> (ft <sup>3</sup> ) or capacity (grams)		1400 ml. Carbon
		Control valve type		Elec. Solenoid with MCU Control

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Engine Description/Carb.  
 Engine Code

5.0L H.O.  
 (302-2V)

**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	Ford
		Location	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)	Intake Manifold
		Air inlet (breather cap, other)	Air Cleaner
		Flame arrestor (screen, other)	Emission Valve and Cleaner Filter
Evaporative Emission Control	Fuel tank	Thermal expansion volume—dm <sup>3</sup> (ft <sup>3</sup> )	2.12 (.075)
		Relief pressure kPa (psi) and location	Open orifice assy. in tank plus valve in filler cap with 11.00 (1.60) min. opening pressure
		Vacuum relief kPa (psi) and location	Open orifice assy. in tank plus valve in filler cap with 3.5 (0.5) max. opening vacuum
		Vapor-liquid separator type	Orifice and Float Valve Assembly in Top of Fuel Tank
		Vapor vented to (crankcase, canister, other)	Carbon Canister
	Carbu- retor	Vapor vented to (crankcase, canister, other)	Externally Vented to Carbon Canister
	Vapor storage	Storage provision (crankcase, canister, other)	Carbon Canister
		Volume—dm <sup>3</sup> (ft <sup>3</sup> ) or capacity (grams)	925 Milliliters of Carbon (49S) 1400 Milliliters of Carborn (Calif.)
		Control valve type	Elec. Solenoid



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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Electrical — Supply System**

Battery	Make and model <u>-10655-</u>		Motorcraft EOAF-CA EOAF-BA	
	Voltage rtg. — V — & total plates		12 Volt	
	SAE designation no. and/or capacity		Automatic 54 A.H.	Manual 45 A.H.
	Location		Right - Front Corner of Engine Compartment	
Generator or alternator	Make		Motorcraft	
	Model		E1ZF-AA (40A) Std.*	
	Type and rating		3 Phase, Full Wave Bridge Rectified, Self-Limiting	
	Output at engine idle (neutral) A		--	
	Ratio—gen. to cris rev.		2.31:1	
Regulator	Make		Motorcraft	
	Model <u>-10316-</u>		E1TF-AA	
	Type		Electronic	
	Regu- lated	Voltage	13.8 - 14.6	
		Current A	Not Applicable	
	Voltage test condi- tions	Temperature—°C (°F)	24° (75°)	
		Load A	5 Amps	
		Other	--	

**Electrical — Starting System**

Starting motor	Make		Motorcraft	
	Model <u>-11001-</u>		E2BF-AA (a)	
Motor drive	Engagement type		Positive (Electro-Mechanical)	
	Pinion engages from (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	Manual	132
			Auto	135

<u>*Non A/C A.H. Application/</u>	<u>Drive Ratio</u>	<u>A/C Alt. Application/</u>	<u>Drive Ratio</u>
.E1ZF-DA (40A) (with Power Strg.)	2.31	.E1ZF-CA (60A) (less Pwr. Strg.)	2.31
.E1ZF-CA (60A) (Heated Back Lite Less Pwr. Strg.)	2.31	.E1ZF-BA (60A) (with Pwr. Strg.)	2.42
.E1ZF-BA (60A) (Heated Back Lite with Pwr. Strg.)	2.42		

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Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Electrical – Supply System**

Battery	Make and model -10655-		Motorcraft EOAF-AA
	Voltage rtg. -V- & total plates		12V
	SAE designation no. and/or capacity		36 A.H.
	Location		Right Front of Engine Compartment
Generator or alternator	Make		Motorcraft
	Model -10300-		E1ZF-AA (40A)*
	Type and rating		3 Phase, Full Wave Bridge Rectified, Self Limiting
	Output at engine idle (neutral) A		-
	Ratio—gen. to cris rev.		2.31:1
Regulator	Make		Motorcraft
	Model		E1TF-AA
	Type		Electronic
	Regulated	Voltage	13.8 - 14.6
		Current A	Not Applicable
	Voltage test conditions	Temperature—°C (°F)	24°C (75°F)
		Load A	5 Amps
		Other	-

**Electrical – Starting System**

Starting motor	Make		Motorcraft
	Model -11001-		E1AF-BA (Auto.), E1BF-AA (Man.)
Motor drive	Engagement type		Positive (Electro-Mechanical)
	Pinion engages from (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	Manual 136
			Auto 164

\*Non A/C Alt. Appl. Drive Ratio

E1ZF-EA (70A) (Mandatory 2.20  
 with ATX and Heated  
 Backlite)

A/C Alt. Appl. Drive Ratio

E1BF-BA (70A) (Mandatory 2.20  
 with ATX)

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

4.2L (255 - 2V/VV)	5.0L H.O. (302-2V)
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**Electrical — Supply System**

Battery	Make and model	-10655-	EOAF-AA Motorcraft
	Voltage rtg.—V— & total plates		12V
	SAE designation no. and/or capacity		36 A.H.
	Location		Right Front of Engine Compartment
Generator or alternator	Make		Motorcraft
	Model	-10300-	E1ZF-FA (60A)
	Type and rating		3 Phase, Full Wave Bridge Rectified, Self Limiting
	Output at engine idle (neutral) A		-
	Ratio—gen. to cris rev.		3.00:1
Regulator	Make		Motorcraft
	Model	-10316-	E1TF-AA
	Type		Electronic
	Regu- lated	Voltage	13.8 - 14.6
		Current A	Not Applicable
	Voltage test condi- tions	Temperature—°C (°F)	24°C (75°F)
		Load A	5 Amps
		Other	-

**Electrical — Starting System**

Starting motor	Make	Motorcraft		
	Model	-11001-	E1AF-RA	
Motor drive	Engagement type	Positive (Electro-Mechanical)		
	Pinion engages from (front, rear)	Front		
	Number of teeth	Pinion	9	
		Flywheel	Manual	None 157
			Auto	164 None

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Car Line MUSTANG  
Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

2.3L  
(140 CID)

**Electrical - Ignition System**

Type	Conventional—std., opt., n.a.	N.A.
	Transistorized—std., opt., n.a.	Breakerless Duraspark II
	Other (specify)	None
Coil	Make	Motorcraft
	Model -12029-	D5AE-AB (D7AE-AA Calif.)
	Current	Engine stopped - A 5.0 (0.0 Calif.)
		Engine idling - A 2.5 (1.0 Calif.)
	Gap	0.86 (0.034)
Spark plug	Make	Motorcraft
	Model -12405-	AWSF-42
	Thread (mm)	14
	Tightening torque—N-m (lb. ft.)	13.6-20 (10-15)
	Gap	0.86 (0.034)

**Electrical - Suppression**

Locations & type	Capacitor in Alternator, Resistor Spark Plugs & Resistance Core Ignition Wire. Ground Cable - Engine to Dash Ground Cable, Hood Bond, RF Shielding material. Hood Scoop (2.3L Turbo only).
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**Electrical - Instruments and Equipment**

Speed-ometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Std.
EGR maintenance indicator		None
Charge indicator	Type	Ammeter (Shunt) 45° Pointer
	Warning device	None
Temperature indicator	Type	Electric Gauge, 45° Pointer
	Warning device	None
Oil pressure indicator	Type	Electric Gauge, 45° Pointer
	Warning device	None
Fuel indicator	Type	Electric Gauge, 45° Pointer
	Warning device	Low Fuel Warning Light in Console - Optional (a)
Wind-shield wiper	Type - standard	Two-Speed Electric (Column Mounted Stalk Control)
	Type - optional	Interval Wipe (Column Mounted Stalk Control)
	Blade length	41.9 (16.5)
	Swept area - cm <sup>2</sup> (in. <sup>2</sup> )	4817.5 (746.9)
Wind-shield washer	Type - standard	Electric Pump (Impeller Type)
	Type - optional	None
	Fluid level indicator	Optional (Warning Light) (a)
Horn	Type	Electric
	Number used	1 - Lo Pitch
Other	Brake System Warning Light, Emergency Flasher, Directional Signal Lights, Hi-Beam Indicator, Fasten Seat Belts Warning Light Std., Elec. Tach. (6000 rpm) - Std., Opt. 8000 R Tach, with 2.3L Turbo, Door Ajar Warning Light and Headlamps	

- (a) Elec. Graphic display indicator system in-console (optional). Also includes Lamp-out Indicator for headlamps, Taillights or Brakelights. "On" Warning Buzzer (N.A. in Cluster Area) - Optional Indicator Light for boost and Warning Light for excessive boost or Hot Engine Oil (w/Opt. 2.3L Turbo engine). Electronic Digital Clock (Optional with console).

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Electrical — Ignition System**

Type	Conventional—std., opt., n.a.		N.A.
	Transistorized—std., opt., n.a.		Breakerless Duraspark II
	Other (specify)		None
Coil	Make		Motorcraft
	Model		D5AE-AB
	Current	Engine stopped — A	5.0
		Engine idling — A	2.5
Spark plug	Make		Motorcraft
	Model		BSF-92
	Thread (mm)		18
	Tightening torque—N-m (lb. ft.)		20.3 - 27.1 (15-20)
	Gap		1.27 (0.050)

**Electrical — Suppression**

Locations & type	Capacitor in Alternator, Resistor Spark Plugs, Resistance Core Ignition Cable, Hood Bond, Engine to Dash Ground Cable.
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**Electrical — Instruments and Equipment**

Speed-ometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Opt.
EGR maintenance indicator		None
Charge indicator	Type	Warning Light, Std., Electric Gage (45° Pointer) Opt.
	Warning device	
Temperature indicator	Type	Warning Light (a) Std., Elec. Gage (45° Pointer) Opt.
	Warning device	
Oil pressure indicator	Type	Warning Light (a) Std., Elec. Gage (45° Pointer) Opt.
	Warning device	
Fuel indicator	Type	Electric Gage (45° Pointer) Std.
	Warning device	
Wind-shield wiper	Type — standard	2-Speed Electric (Column) Mounted Control
	Type — optional	Intermittent Wipe
	Blade length	406.4 (16)
	Swept area — cm <sup>2</sup> (in. <sup>2</sup> )	4946 (766)
Wind-shield washer	Type — standard	Electric Motor (Impeller Type)
	Type — optional	None
	Fluid level indicator	None
Horn	Type	Electric
	Number used	One (Lo-pitch)
Other	Brake System Warning Light, Emergency Flasher, Dir. Signal Lights, High Beam Indicator, Fasten Seat Belts Warning Light, Opt. Tachometer, Opt. Clock, Opt. Diagnostic Warning Indicator — Graphic Display Module.	

(a) Common Engine Warning Light.

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

4.2L  
 (255-2V/VV)

5.0L H.O.  
 (302-2V)

**Electrical — Ignition System**

Type	Conventional—std., opt., n.a.		N.A.
	Transistorized—std., opt., n.a.		Duraspark II
	Other (specify)		None
Coil	Make		Motorcraft
	Model		D5AE-AB
	Current	Engine stopped — A	5.0
		Engine idling — A	2.5
Spark plug	Make		Motorcraft
	Model		ASF-52 ASF-42
	Thread (mm)		14 MM
	Tightening torque—N-m (lb. ft.)		14 - 20.3 (10 - 15)
	Gap		(0.050) (.044)

**Electrical — Suppression**

Locations & type	Capacitor in Alternator, Resistor Spark Plugs, Resistance Ignition Wire, Ground Cable - Engine to Dash, Hood Bond.
------------------	--

**Electrical — Instruments and Equipment**

Speed-ometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Optional
EGR maintenance indicator		None
Charge indicator	Type	Warning Light (AMP)
	Warning device	
Temperature indicator	Type	Warning Light (Part of Engine Warning Light)
	Warning device	
Oil pressure indicator	Type	Warning Light (Part of Engine Warning Light)
	Warning device	
Fuel indicator	Type	Electric Gage (45° Pointer)
	Warning device	Low-Fuel Warning Light - Optional
Wind-shield wiper	Type — standard	Electric Two-Speed (Column-Mounted Control)
	Type — optional	Interval Wipe
	Blade length	45.72 CM (18 in.)
	Swept area — cm <sup>2</sup> (in. <sup>2</sup> )	6215.4 (963.4)
Wind-shield washer	Type — standard	Electric Pump (Impeller Type) - Fluidic Spray
	Type — optional	None
	Fluid level indicator	Optional - Warning Light
Horn	Type	Electric
	Number used	One (Lo Pitch)
Other	Emergency Flasher, Directional Signal Lights, High Beam Indicator Light, Electric Clocks, Seat Belts Warning Light, Brake Warning Light, Headlamp "ON" Warning Buzzer Optional.	

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Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Drive Units - Clutch (Manual Transmission)**

Make & type	Single Disc. Dry Plate	
Type pressure plate springs	Belleville Spring	
Total spring load-N (lb.)	4693 (1055)	
No. of clutch driven discs	One	
Clutch facing	Material	Woven Asbestos & Woven Non Asbestos (Alternate)
	Manufacturer	Porter - Raybestos
	Part number	-
	Rivets/plate	12
	Rivet size	3.6 x 5.6 (9/64 x 7/32)
	Outside & inside dia.	216 x 146 (8.5 x 5.75)
	Total eff. area-cm <sup>2</sup> (in. <sup>2</sup> )	397.2 (61.56)
	Thickness	
Release bearing	Engagement cushion method	3.18 (.125) Torbend Disc
	Type & method of lubrication	Self-Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: 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.
Manual 5-speed (std., opt., n.a.)	N.A.
Manual overdrive (std., opt., n.a.)	Opt. - 5-Speed (Mustang-Capri only)
Automatic (std., opt., n.a.)	Opt. (C-3)
Automatic overdrive (std., opt., n.a.)	N.A.

**Drive Units - Manual Transmission**

Number of forward speeds		Four	(Opt.) Five
Transmission ratios	In first	3.98:1	3.72:1
	In second	2.14:1	2.23:1
	In third	1.49:1	1.48:1
	In fourth	1.00:1	1.00:1
	In fifth		.76:1
	In overdrive		--
	In reverse	3.99:1	3.59:1
Synchronous meshing, specify gears		1st, 2nd, 3rd, 4th, (Also 5th w/5-Speed)	
Shift lever location		Floor	
Lubricant	Capacity-L (qt.)	1.3 (2.8)	
	Type recommended	ESP-M2083-C	
	SAE viscosity number	Summer	80
		Winter	80
		Extreme cold	--

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Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Drive Units — Clutch (Manual Transmission)**

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 <sup>2</sup> (in. <sup>2</sup> )
	Thickness
	Engagement cushion method
Release bearing	Type & method of lubrication
Torsional damping	Method: springs, friction material

NOT  
 AVAILABLE

**Drive Units — Transmissions**

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

**Drive Units — Manual Transmission**

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

NOT  
 AVAILABLE



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Engine Description/Carb.  
 Engine Code

4.2L  
 (255 CID)

**Drive Units — Clutch (Manual Transmission)**

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 <sup>2</sup> (in. <sup>2</sup> )	
	Thickness	
Engagement cushion method		
Release bearing	Type & method of lubrication	
Torsional damping	Method: springs, friction material	

**Drive Units — Transmissions**

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

**Drive Units — Manual Transmission**

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		

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Engine Description/Carb.  
 Engine Code

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.)		6890 (1549)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos
	Manufacturer	Valeo
	Part number	EZZR-7550-AA
	Rivets/plate	32
	Rivet size	3.6 x 5.6 (9/64 x 7/32)
	Outside & inside dia.	254 (10.0) x 171 (6.75)
	Total eff. area-cm <sup>2</sup> (in. <sup>2</sup> )	552 (85.5)
	Thickness	3.48 (.137)
Engagement cushion method		Torbend Disc
Release bearing	Type & method of lubrication	Self Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: 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.)	N.A.
Manual 5-speed (std., opt., n.a.)	N.A.
Manual overdrive (std., opt., n.a.)	Std.
Automatic (std., opt., n.a.)	N.A.
Automatic overdrive (std., opt., n.a.)	N.A.

**Drive Units – Manual Transmission**

Number of forward speeds		Four	
Transmission ratios	In first	3.07:1	
	In second	1.72:1	
	In third	1.00:1	
	In fourth	—	
	In fifth	—	
	In overdrive	0.70:1	
	In reverse	3.07:1	
Synchronous meshing, specify gears		1st, 2nd, 3rd, Overdrive	
Shift lever location		Floor	
Lubricant	Capacity—L (pt.)		4.5
	Type recommended		ESP-M2C83-C
	SAE viscosity number	Summer	80
		Winter	80
		Extreme cold	—

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Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Drive Units -- Automatic Transmission**

Trade name		Select-Shift (C-3)
Type (describe)		Torque Converter with Planetary Gears
Selector	Location	Floor and Column
	Ltr./No. designation	P R N D 2 1
Gear ratios	R	2.11:1
	D	1.00:1
	L <sub>3</sub>	--
	L <sub>2</sub>	1.47:1
	L <sub>1</sub>	2.47:1
Max. upshift speed--drive range--km/h (mph)		124 (77)
Max. kickdown speed--drive range--km/h (mph)		119 (74)
Min. overdrive speed--km/h (mph)		--
Torque converter	Number of elements	Three
	Max. ratio at stall	2.90:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	260.35 (10.25)
Lubricant	Capacity--refill--L (pt.)	7.6 (16) Approx.
	Type recommended	ESP-M2C138-CJ
Special transmission features		Transmission can be locked in 1 or 2 Positions, Vacuum Controlled Throttle Valve.

**Drive Units -- 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		7.5:25.4 (1.0); 6.75: 38.1 (1.5)
Drive pinion type		Hypoid
No. of differential pinions		7.5, Two; 6.75 Two and Four
Pinion adjustment (shim, other)		Shim
Pinion bearing adj. (shim, other)		Collapsible Spacer
Driving wheel bearing type		6.75 Ball Bearing; 7.5: Straight Roller
Lubricant	Capacity--L (pt.)	7.5:1.5 (3.25) 6.75: 1.8 (2.5)
	Type recommended	ESP-M2C154-A (Additional 3 oz. Est. M2C118-A for Traction-Lok)
	SAE viscosity number	Summer
		SAE 90
		Winter
	Extreme cold	SAE 90
		SAE 90

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

Axle ratio or overall ratio		3.08:1	3.45:1
No. of teeth	Pinion	12	11
	Ring gear or gear	37	38
Ring gear O.D.		190.5 (7.5) (a)	190.5 (7.5)
Transaxle	Transfer gear ratio	N.A.	N.A.
	Final drive ratio	N.A.	N.A.

(a) Also avail. 171.5 (6.75) Mustang/Capri.

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

**Drive Units — Automatic Transmission**

Trade name		Select-Shift	Centrifugal Converter Clutch Trans.
Type (describe)		Torque Converter with Planetary Gears	
		C3	C5
Selector	Location	Column, Floor Optional	Floor
	Ltr./No. designation	PRND 21	PRND21
Gear ratios	R	2.11:1	2.19:1
	D	1.00:1	1.00:1
	L <sub>3</sub>	-	-
	L <sub>2</sub>	1.47:1	1.46:1
	L <sub>1</sub>	2.47:1	2.46:1
Max. upshift speed—drive range—km/h (mph)		121 (75)	123 (76.3)
Max. kickdown speed—drive range—km/h (mph)		111 (69)	107 (66.6)
Min. overdrive speed—km/h (mph)		-	-
Torque converter	Number of elements	Three	
	Max. ratio at stall	2.11:1	2.25:1
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	305 (12.0)	
Lubricant	Capacity—refill—L (pt.)	10.4 (22.0)	
	Type recommended	ESP-M2C138-CJ	
Special transmission features		Transmission can be locked in "1" or "2" Position, Vacuum Controlled Throttle Valve	

**Drive Units — 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		7.5 Axle: 25.4 (1.0)	
Drive pinion type		Hypoid	
No. of differential pinions		7.5 Axle: 2;	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		Collapsible Spacer	
Driving wheel bearing type		7.5 Axle: Roller;	
Lubricant	Capacity—L (pt.)		7.5 Axle: 1.5 (3.25);
	Type recommended		ESP-M2C154-A (Additional 3 oz. EST-M2C118-A for Traction-Lok)
	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 ratio		2.73:1
No. of teeth	Pinion	15
	Ring gear or gear	41
Ring gear O.D.		190.5 (7.5)
Transaxle	Transfer gear ratio	N.A.
	Final drive ratio	N.A.

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

4.2L  
 (255-2V/VV)

**Drive Units — Automatic Transmission**

Trade name		Centrifugal Converter Clutch Transmission
Type (describe)		Torque Converter and Planetary Gears (C5)
Selector	Location	Floor
	Ltr./No. designation	PRND 21
Gear ratios	R	2.19:1
	D	1.00:1
	L <sub>3</sub>	-
	L <sub>2</sub>	1.46:1
	L <sub>1</sub>	2.46:1
Max. upshift speed—drive range—km/h (mph)		125 (77.4)
Max. kickdown speed—drive range—km/h (mph)		109 (67.9)
Min. overdrive speed—km/h (mph)		-
Torque converter	Number of elements	Three
	Max. ratio at stall	2.25:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	305 (12)
Lubricant	Capacity—refill—L (pt.)	10.4 (22.0)
	Type recommended	ESP-M2C138-CJ
Special transmission features		Transmission can be locked in "1" or "2" Position, Vacuum Controlled Throttle Valve.

**Drive Units — 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
Lubricant	Capacity—L (pt.)	1.5 (3.25)
	Type recommended	ESP-M2C154-A (Additional 3 oz. EST-M2C118-A for Traction-Lok)
	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 ratio		3.08	2.73
No. of teeth	Pinion	12	15
	Ring gear or gear	37	41
Ring gear O.D.		190.5 (7.5)	190.5 (7.5)
Transaxle	Transfer gear ratio	N.A.	N.A.
	Final drive ratio	N.A.	N.A.

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Car Line MUSTANG  
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Engine Description/Carb.  
 Engine Code

5.0L  
 (302-2V)

**Drive Units — Automatic Transmission** NOT APPLICABLE

Trade name		
Type (describe)		
Selector	Location	
	Ltr./No. designation	
Gear ratios	R	
	D	
	L <sub>3</sub>	
	L <sub>2</sub>	
	L <sub>1</sub>	
Max. upshift speed—drive range—km/h (mph)		
Max. kickdown speed—drive range—km/h (mph)		
Min. overdrive speed—km/h (mph)		
Torque converter	Number of elements	
	Max. ratio at stall	
	Type of cooling (air, liquid)	
	Nominal diameter	
Lubricant	Capacity—refill—L (pt.)	
	Type recommended	
Special transmission features		

**Drive Units — Axle or Front Wheel Drive Unit**

Type (front, rear)		Rear	
Description		Conventional and Locker, Semi-Floating, Overhung Pinion	
Limited slip differential, type		Cone	
Drive pinion offset		25.4 (1.0)	
Drive pinion type		Hypoid	
No. of differential pinions		Two	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		Collapsible Spacer, Shim	
Driving wheel bearing type		Straight Roller	
Lubricant	Capacity—L (pt.)	1.54 (3.25)	
	Type recommended	ESP-M2C154-A for Conventional, ESP M2C158-A for Locker	
	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 ratio		3.08:1
No. of teeth	Pinion	12
	Ring gear or gear	37
Ring gear O.D. <u>mm (in.)</u>		190.5 (7.5)
Transaxle	Transfer gear ratio	--
	Final-drive ratio	--

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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (\*)           

Engine Description/Carb.  
 Engine Code

2.3L  
 (140 CID)

**Drive Units — 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.		Not Available
	Manual 4-speed trans.		76.2 x 1206.2 x 1.65 (a) (d) (g) (3.00 x 47.49 x .065)
	Manual 5-speed trans. Overdrive		76.2 x 1185.9 x 1.65 (b) (f) (3.00 x 46.69 x .065)
	Overdrive		Not Available
	Automatic transmission		76.2 x 1240.8 x 1.65 (a) (c) (e) (3.00 x 48.85 x .065)
Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting prepack)		None
Slip yoke	Type		Plain
	Number of teeth		M50D, HM4WR, C3-25
	Spline o.d.		M50D, HM4WR, C3-28.321 (1.15) Max.
Universal joints	Make and mfg. no.	Front	Ford 1310
		Rear	Ford 1310
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		12MM Bolts
	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

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

- (a) 6.75 Axle  
 (b) 7.5 Axle  
 (c) C-3 Automatic  
 (d) HM 4 WR Manual  
 (e) C-3 Automatic w/7.5" axle - 76.2 x 1223.0 x 1.65 (3.00 x 48.15 x .065)  
 (f) M50D  
 (g) HM 4 WR w/7.5 Axle - 76.2 x 1185.9  
 MVMA-C-82 x 1.65 (3.00 x 46.69 x .065) Conventional Drive

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Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

3.3L  
 (200 CID)

4.2L/5.0L  
 (255 CID)/(302 CID)

**Drive Units — Propeller Shaft — Conventional Drive**

Type (straight tube, tube-in-tube, internal-external damper, etc.)		Cardboard Liner	Straight Tube w/Internal Tuned Damper (e)
Outer diam. x length* x wall thickness	Manual 3-speed trans.	Not Available	
	Manual 4-speed trans.	69.9 x 1155.9 x 1.65 (a) (2.75 x 45.51 x .065)	69.9 x 1160.3 x 1.65 (e) (2.75 x 45.68 x .065)
	Manual 5-speed trans.	Not Available	
	Overdrive	Not Available	
	Automatic transmission	69.9 x 1192.0 x 1.65 (b) (c) (f) (2.75 x 46.93 x .065)	69.9 x 1155.9 x 1.65 (d) (2.75 x 45.51 x .065)
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting prepack)	None	
Slip yoke	Type	Plain	
	Number of teeth	C-3 - 25 SR-4, SROD, C-5 - 28	
	Spline o.d.	C-3 - 28.321 (1.15) Max. SR-4, SROD, C-5 - 30.998 (1.220) Max.	
Universal joints	Make and mfg. no.	Front	Ford 1310
		Rear	Ford 1310
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach (u-bolt, clamp, etc.)	12MM Bolts	
	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	

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

- (a) SR-4 w/7.5" Axle.  
 (b) C-3 Automatic w/7.5" Axle.  
 (c) C-5 Automatic w/7.5" axle 69.9 x 1132.3 x 1.65 (2.75 x 44.58 x .065)  
 (d) 4.2L, C-5 Automatic w/7.5" Axle.  
 (e) 5.0L, SROD w/7.5" Axle  
 (f) Internal Tuned Damper



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**Passenger Car**  
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Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

Engine Description/Carb.  
 Engine Code

ALL MODELS

**Drive Units – Tires And Wheels (Standard)**

Tires	Size, load range, ply		P175/75R14 BSW
	Type (bias, radial, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	241 (35)
		Rear-kPa (psi)	241 (35)
	Rev./mile—at 70 km/h (45 mph)		(861)
Wheels	Type & material		Styled Steel - Stamped
	Rim (size & flange type)		356 x 127 (14x5) JJ
	Wheel offset		28.45 (1.12)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	108 (4.25)
Number & size		Four, 1/2-20	
Spare tire and wheel (same or other)			356 x 127 (14 x 5) w/B78 x 14 BSW Tire (Temp. use only)

**Drive Units – Tires And Wheels (Optional)**

Size, load range, ply		P175/75R-14 WSW
Type (bias, radial, etc.)		Steel Belt Radial
Wheel type & material		Styled Steel
Rim (size, flange type, and offset)		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset
Size, load range, ply		P185/75R-14 BSW (WSW)
Type (bias, radial, etc.)		Steel Belt Radial
Wheel type & material (a)		Styled Steel or Cast Aluminum
Rim (size, flange type, and offset)		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset
Size, load range, ply		P185/75R-14 (RWL)
Type (bias, radial, etc.)		Steel Belt Radial
Wheel type & material (a)		Styled Steel or Cast Aluminum
Rim (size, flange type, and offset)		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset
Size, load range, ply		190/65R 390 BSW, 28 PSI Front & Rear
Type (bias, radial, etc.)		Steel Belt Radial
Wheel type & material		TRX Forged Aluminum
Rim (size, flange type, and offset)		390 x 150 (15.35 x 5.9), 25.4 (.99) Offset
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)		

**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) Cast Aluminum: Optional for All 14" Tires; 14 x 5.5 JJ Rim w/28.4 (1.12) Offset.

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Body Type And/Or  
 Engine Displacement

ALL MODELS

**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 w/2.3L Turbo, 3.3L & 4.2L Engines	
Booster type (remote, integral, vac., hyd., etc.)			220 (8.66) Single Diaphragm - Integral Vacuum	
Anti-skid device type (std., opt., n.a.)			N.A.	
Effective area—cm <sup>2</sup> (in. <sup>2</sup> )*			Front - 212 (32.9); Rear - 302.6 (46.9)	
Gross lining area—cm <sup>2</sup> (in. <sup>2</sup> )**			Front - 231 (35.8); Rear - 331.6 (51.4)	
Swept area—cm <sup>2</sup> (in. <sup>2</sup> )**			Front - 1140 (176.6); Rear - 638.7 (99.0)	
Rotor	Outer working diameter	F	255.5 (10.06)	
		R	N.A.	
	Inner working diameter	F	158.0 (6.22)	
		R	N.A.	
	Thickness	F	22.1 (0.870)	
		R	N.A.	
	Material & type (vented/solid)	F	Cast Iron Vented (Non-Directional)	
		R	N.A.	
Drum	Diameter (nominal)	Front	N.A.	
		Rear	228.6 (9.0)	
	Type and material		Composite Cast Iron Steel; Alum. w/C.I. Liner - Optional	
Wheel cyl- inder bore	Front		59.9 (2.36)	
	Rear		19.05 (0.75)	
Master cylinder	Bore		21.0 (0.827)	
	Stroke		35.4 (1.395) Manual; 37.3 (1.470) Power	
Pedal arc ratio			5.80:1 Manual; 3.50:1 Power	
Line pressure at 445 N (100 lb.) pedal load—kPa (psi)			N.A.	
Lining clearance per shoe	Front		0.127 (0.005)	
	Rear		0.381 (0.015)	
Brake lining	Front wheel	Bonded or riveted, rivets/seg.		Riveted
		Rivet size		Inboard: 4.6x10.2(0.18x0.4); Outboard: 4.6x7.5(0.18x0.295)
		Manufacturer		Thiokol - 2.3L; Bendix - 2.3L Turbo, 3.3L & 4.2L
		Lining code		TP-1353MFF; BX-XO-EE
		Material		Molded Asbestos-2.3L; Semi-Metallic-2.3L Turbo, 3.3L & 4.2
		Size	Primary or out-board	155 x 44 x 10.2 (6.1 x 1.7 x 0.4)
			Secondary or in-board	119 x 44 x 10.2 (4.7 x 1.7 x 0.4)
		Shoe thickness (no lining) mm(in.)		5.1 (0.203)
	Rear wheel	Bonded or riveted, rivets/seg.		Riveted/Primary 8 - Secondary 10
		Manufacturer		Bendix FMD, Primary 3198, Secondary 3199
		Lining code		PRI BX RY FE - Sec. BX PM FE
		Material		Molded Asbestos
		Size	Primary or out-board	155 x 44 x 4.7 (6.12 x 1.75 x 0.187)
			Secondary or in-board	219 x 44 x 6.2 (8.63 x 1.75 x 0.245)
		Shoe thickness (no lining)		1.709 (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 thickness.

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 Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

ALL MODELS

**Steering**

Manual (std., opt., n.a.)			Std.	
Power (std., opt., n.a.)			Optional, Mandatory with 3.3L w/A/C & 4.2L	
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		381(15in.)w/.25in.Offset;Opt:368mm(14.5in.)w/6.4(.25)Offs.	
	Power		381(15in.)w/.25in.Offset;Opt:368mm(14.5in.)w/6.4(.25)Offs.	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)	11.3 (37.1)	
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Manual	Gear	Type	Rack and Pinion	
		Make	Cam Gear Ltd.	
		Ratios	Gear	10.66 Deg./mm of rack travel
			Overall	24.93:1 on Center; 21.69:1 at Stops
	No. wheel turns (stop to stop)		4.08	
Power	Type (coaxial, linkage, etc.)		Integral Rack and Pinion	
	Make		TRW Gear (Ford Alt. - Ford Pump 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	20.03:1 on Center; 16.05:1 at Stops
Pump driven by		Belt off Crankshaft Pulley		
No. wheel turns (stop to stop)		3.05		
Linkage	Type		Rack and Pinion (Rod & Ball Joint Direct Attach. to Gear)	
	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.)		15.68	
	Bearings (type)	Upper	Upper Strut Mount	
		Lower	Ball Joint	
		Thrust		
Steering spindle & joint type			Forged Spindle, with Ball Joint	
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.)	0.37° to 2.12° (a)	
		Camber (deg.)	-0.5° or +1° (a)	
		Toe-in [outside track-mm (in.)]		+5 (0.18) +3 (0.12) (b)
	Service reset	Caster	Same as	1.25° to 0.88° (a)
		Camber	Service	+0.25° to 0.75° (a)
		Toe-in	Checking	+5 (0.18) +3 (0.12) (b)
	Periodic M.V. inspection	Caster		-0.75° to +3.25°
		Camber		-1.25° to +1.75°
		Toe-in mm (in.)		-1.5 (0.06) to +17 (0.65)

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

(b) Steering Wheel Spokes (clear vision) must be within +10° of horizontal after toe setting.

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Body Type And/Or  
 Engine Displacement

ALL MODELS

**Suspension - General**

Car leveling	Std./opt./n.a.	None
	Type (air, hyd., etc.)	-
	Manual/auto. controlled	-
Provision for brake dip control		Front Springs Mounted on Lower Control Arms
Provision for acc. squat control		Unequal Length Upper/Lower Control Arms (Rear Susp.)
Special provisions for car jacking		Side of Car - Outside Rocker Panel Flanges, Front & Rear
Shock absorber front & rear	Type	Direct Dbl. Acting Hydraulic (Struts) Frt. - Unique Valving
	Make	Motorcraft Frt. & Rear
	Piston dia	Front: 34.8 (1.37); Rear 25.4 (1.0)
Other special features		Scissors Jack & Wrench

**Suspension - Front**

Type and description		Hybrid MacPherson Strut w/Springs Mounted on Lower Control Ar
Travel	Full jounce	92.96 (3.66) at Wheel
	Full rebound	84.84 (3.34) at Wheel
Spring	Type (coil, leaf, other)	Coil
	Material	SAE 5160 Steel
	Size (coil design height & i.d., bar length x dia.)	254 x 89.0 (10.0 x 3.50) (Coil); 2962 (116.6) (Bar Length): 15.6 (0.614) (Bar Dia.)
	Spring rate—N/mm (lb./in.)	Std. - 65.0 (370); Also Available: 69.4 (395), 72.0 (410)
	Rate at wheel—N/mm (lb./in.)	20.14 (115)
Stabilizer	Type (link, linkless, frameless)	Link; Rubber Side Rail Insulator
	Material & bar diameter	SAE 1090; Std. Bar - 22.3 (.94); Other Bars Avail: 25.4 (1.00) 28.5 (1.12)

**Suspension - Rear**

Type and description		Four Bar Link Coil Spring
Drive and torque taken through		Upper & Lower Control Arm
Travel	Full jounce	86.61 (3.41)
	Full rebound	115.32 (4.54)
Spring	Type (coil, leaf, other)	Coil
	Material	SAE 5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)	220.7 x 102 (8.69 x 4.02) 2732 x 13.0 (107.6 x 0.512)
	Spring rate—N/mm (lb./in.)	28 (160) (a); 30.6 (175) (b)
	Rate at wheel—N/mm (lb./in.)	13.5 (77.2); 14.8 (84.4)
	Mounting insulation type	Rubber - (Upper End Only)
	If leaf	No. of leaves - Shackle (comp. or tens.) -
Stabilizer	Type (link, linkless, frameless)	Linkless (N.A. Standard Duty Suspension)
	Material & bar diameter	SAE 1090 Steel; 14.0 (.55) TRX Handling (Exc. 2.3L)
Track bar type		None

(a) All Std. Susp.; Handling - 2.3 Turbo, 3.3L & 4.2L TRX-2.3L & 2.3L Turbo.

(b) Handling - 2.3L; TRX-3.3L & 4.2L

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

Car Line MUSTANG  
 Model Year 1982 Issued 9-81 Revised (•) \_\_\_\_\_

Body Type

ALL MODELS

**Body – Miscellaneous Information**

Type of finish (lacquer, enamel, other)	Enamel (Acrylic)	
Hood hinge location (front, rear)	Rear	
Hood counterbalance (type)	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 – Coil Spg. & Flexolator – Foam Pad
	Rear	Integral Frame and Foam Pad Assy.
	3rd seat	None
Seat back type	Front	Stamped Frame – Foam Pad
	Rear	Frame Hardboard with Foam Pad Assy. (a)
	3rd seat	None
Method of holding luggage compart. lid open	Torsion Bars (Model 66); Gas Cylinders (Model 61)	
Position of spare tire storage	Flat in Deep Well of Floor Pan of Luggage Compartment	

**Passive Restraint System**

NOT OFFERED

Inflatable restraint system	Standard/optional	
	Type of charging system	
	Location (stg. whl., instru. panel, other)	
Passive seat belts	Standard/optional	
	Power/manual	
	2 or 3 point	
	Knee bar/lap belt	

**Frame**

Type and description (separate frame, unitized frame, partially-unitized frame)	Platform Type Unitized Construction (Isolation Type, Front Suspension Cross-Member)
---	--

(a) Fold-down Type Standard on Model 61.

**MVMA Specifications Form**  
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Car Line MUSTANG  
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Body Type

ALL MODELS

**Convenience Equipment**

Power windows	Side windows	Optional
	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)		Optional
Radio (specify type as well as availability)		AM - Std. - Opt. - AM/FM Monl; AM/FM MPX; AM/FM/MPX Tape, AM/FM/MPX Cassette, Prem. Sound Pkg. w/any MPX Ratio
Rear seat speaker		Std. with all Stereo radio Options (Two Req'd); Opt. w/AM or
Power antenna		N.A. AM/FM*
Clock		Digital Electronic (Optional)
Air conditioner (specify type)		Opt.; Integral on Inst. Panel (Multiple Outlets), Manual Control
Speed warning device		N.A.
Speed control device		Optional
Ignition lock lamp		N.A.
Dome lamp		Std.
Glove compartment lamp		Opt.
Luggage compartment lamp		Opt.
Underhood lamp		Opt.
Courtesy lamp		N.A.
Map lamp		Opt. Dome/Swivel (Deleted w/Sunroof Opt.; Incl. w/Opt. Lt. Grp.)
Cornering lamp		N.A.
Rear window defroster electrically heated		Optional (Required in New York State)
Rear window defogger		N.A.
Theft protection - type		N.A.
Power Door Locks		Optional
Sunroof (Flip-Up)		Optional
Inertia Seat Back Latch		N.A. High Back Bucket Seats; Std. on Low Back, RPO Bucket Seats
Tinted Glass		Opt.
Graphic Display		Opt.
Console Assembly		Opt.
I/S Rr. Vw. Mirror D/N		Std.
LH Rr. Vw. O/S Mir.		Std.
LH Rr.Vw. O/S Mir. Remote		Opt.
RH Rr. Vw. O/S Mir. Remote		Opt.

\*Mono Radios (Two Req'd.)

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

Car Line MUSTANG

Model Year 1902

Issued 9-81

Revised (●)

[illegible]

\* Reference -- SAE J1100a, Motor vehicle dimensions, curb weight definition.

\*\* Shipping mass (weight) definition - Less fuel and engine coolant.

Car Line MUSTANG  
Model Year 1982 Issued 9-81 Revised (•)

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



**MVMA Specifications Form**  
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**METRIC (U.S. Customary)**

Car Line MUSTANG  
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[illegible]

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

# MVMA Specifications Form

## Passenger Car

Car Line MUSTANG  
Model Year 1982 Issued 9-81 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 Models 66B and 66H	3-Door Models 61R and 61H
-----------	--------------	------------------------------	------------------------------

### Width

Tread—Front	W101	1438 (56.6)	
Tread—Rear	W102	1448 (57.0)	
Vehicle width	W103	1754 (69.1)	
Body width at Sg RP—front	W117	1727 (68.0)	
Vehicle width—front doors open	W120	---	
Vehicle width—rear doors open	W121	---	

### Length

Wheelbase	L101	2550 (100.4)	
Vehicle length	L103	4549 (179.1)	
Overhang—front	L104	1003 (39.5)	
Overhang—rear	L105	995 (39.2)	
Upper structure length	L123	2403 (94.6)	2494 (98.2)
Rear wheel C/L "X" coordinate	L127	4194 (86.4)	
Cowl point "X" coordinate	L125	2145 (84.7)	

### Height\*

Passenger distribution (frt./rear)	PD1,2,3	2/1	
Trunk/cargo load		0	
Vehicle height	H101	1306 (51.4)	
Cowl point to ground	H114	937 (36.9)	
Deck point to ground	H138	874 (34.5)	892 (35.1)
Rocker panel-front to ground	H112	181 (7.14)	
Bottom of door closed-front to grd.	H133	257 (10.13)	
Rocker panel-rear to ground	H111	170 (6.70)	
Bottom of door closed-rear to gru	H135	Not Applicable	

### Ground Clearance\*

Front bumper to ground	H102	520 (20.49) (a)	
Rear bumper to ground	H104	337 (13.28)	
Bumper to ground—front at curb mass (wt.)	H103	527 (20.75) (a)	
Bumper to ground—rear at curb mass (wt.)	H105	390 (15.36)	
Angle of approach	H106	17.4°	
Angle of departure	H107	18.7°	
Ramp breakover angle	H147	10.6°	
Rear axle differential to ground	H153	157 (6.18)	
Min. running ground clearance	H156	127.8 (5.03) (b)	
Location of min run grd clear.		Lower Rear Shock Tab Nut (b)	

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

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

- (a) To Upper Flange of Parking Lamp Opening.  
(b) Min Clearance to RPO Rear Stabilizer Bar is 127.7 (5.03)  
Min Clearance to Traction Bars (5.0L/SR OD only) is 119.4 (4.70)

**MVMA Specifications Form****Passenger Car****METRIC (U.S. Customary)****Car and Body Dimensions** See Key Sheets for definitionsCar Line MUSTANGModel Year 1982 Issued 9-81 Revised (\*) \_\_\_\_\_

Body Type

SAE  
Ref.  
No.2-Door Models  
66B and 66H3-Door Models  
61R and 61H**Front Compartment**

Sg RP front, "X" coordinate	L31	3034 (40.7)
Effective head room	H61	944 (37.2)
Effective T-point head room	H75	--
Max. eff. leg room—accelerator	L34	1059 (41.7)
Sg RP—front to heel	H30	224 (8.8)
Design H-point front travel	L17	155 (6.1)
Shoulder room	W3	1417 (55.8)
Hip room	W5	1425 (56.1)
Upper body opening to ground	H50	1187 (46.7)
Steering wheel angle	H18	23.0°
Back angle	L40	25.0°

**Rear Compartment**

Sg RP Point couple distance	L50	701 (27.6)
Effective head room	H63	912 (35.9) 902 (35.5)
Effective T-point head room	H76	--
Min. effective leg room	L51	792 (30.8)
Sg RP—second to heel	H31	256 (10.1)
Knee clearance	L48	-30 (-1.2)
Compartment room	L3	--
Shoulder room	W4	1387 (54.6)
Hip room	W6	1197 (47.1)
Upper body opening to ground	H51	--

**Luggage Compartment**

Usable luggage capacity—L (cu. ft.)	V1	0.2832 (10.0) N.A.
Liftover height	H195	746 (29.4)

All linear dimensions are in millimeters (inches).

# MVMA Specifications Form

## Passenger Car

Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (\*)

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type

SAE  
Ref.  
No.

3-Door Models (61R and 61H)

### Station Wagon - Third Seat

Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	NOT APPLICABLE
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	NOT APPLICABLE
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 <sup>3</sup> (ft. <sup>3</sup> )	V2	
Hidden cargo volume - m <sup>3</sup> (ft. <sup>3</sup> )	V4	

### Hatchback - Cargo Space

Front seat back to load floor height	H197	521 (20.5)
Cargo length at front seat back height	L208	874 (34.4)
Cargo length at floor - front	L209	1697 (66.8)
Cargo volume index - m <sup>3</sup> (ft. <sup>3</sup> )	V3	0.925 (32.7)* 0.858 (30.3)#
Hidden cargo volume - m <sup>3</sup> (ft. <sup>3</sup> )	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.

All dimensions are in millimeters (inches).

\*Hi Back Seats (Std.)

#Lo Back Seats (Opt.)

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG

Model Year 1982

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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 " <u>x</u> " coordinate relative to body grid.  X = 444.50 (17.50)  Y = N.A.
3 & 4 Rear	The intersection of the horizontal-vertical surfaces on the rocker panel door rabbet locates the " <u>Y</u> " and " <u>Z</u> " coordinates relative to body grid at particular fore-aft inch lines. The fore-aft location can be determined by the reference dimension from - Fiducial Mark 1 & 2.
Fiducial Mark Number	
Front	
W21	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, Motor Vehicle Fiducial Marks - September, 1973.

All linear dimensions are in millimeters (inches).

N.A. = Not Applicable

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG

Model Year 1982

Issued 9-81 Revised (•) \_\_\_\_\_

Body Type

SAE Ref. No.	2-Door Models 66B 66H	3-Door Models 61R 61H
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### Glass

Backlight slope angle	H121	57.3°	62.3°
Windshield slope angle	H122	58.0°	
Tumble-Home	W122	24.9°	
Windshield glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S1	8114.0 (1257.6)	
Side glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S2	8312.7 (1288.4)	8101.1 (1255.6)
Backlight glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S3	8582.4 (1330.2)	8568.9 (1328.1)
Total glass exposed surface area — cm <sup>2</sup> (in. <sup>2</sup> )	S4	25009.2 (3876.2)	24784.1 (3841.3)
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 (H127)	Highest**	658.6	(25.82)
		Lowest	653.8	(25.74)
	Taillamp (H128)	Highest	691.4	(27.22)
		Lowest	691.4	(27.22)
	Sidemarker	Front	698.0	(27.48)
		Rear	691.4	(27.22)
Distance from C/L of car to center of bulb	Headlamp	Inside	441.96	(17.4)
		Outside**	620.78	(24.44)
	Taillamp	Inside	573.28	(22.57)
		Outside	702.0	(28.04)
	Directional	Front	620.77	(24.44)
		Rear	702.0	(28.04)
	Headlamp shape			Rectangular - Dual

\* Measured at curb mass (weight)

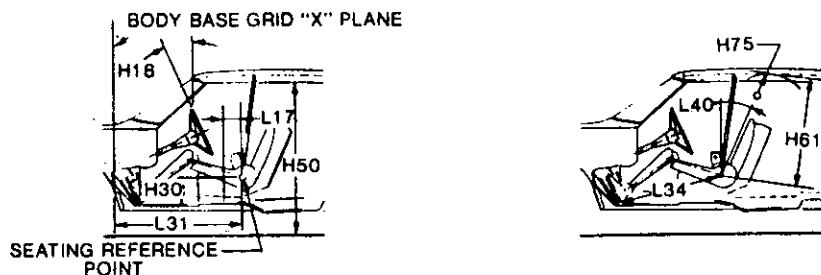
\*\* If single headlamps are used enter here.



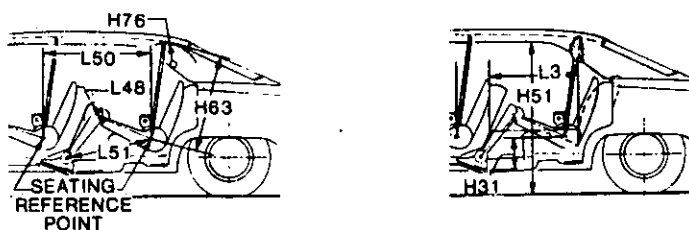
**MVMA Specifications Form**  
**Passenger Car**  
METRIC (U.S. Customary)

**Interior Car And Body Dimensions — Key Sheet**

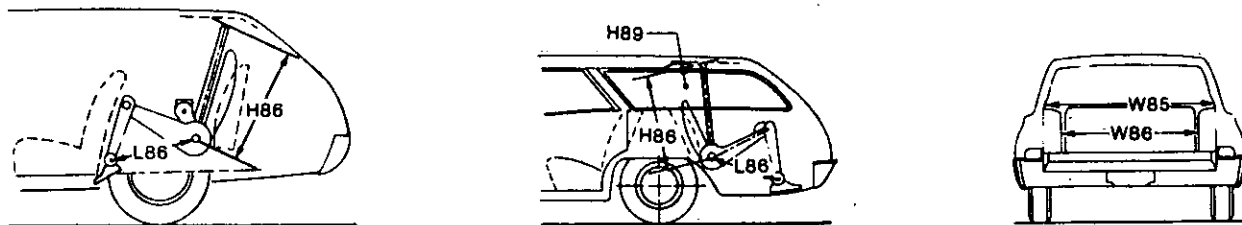
**Front Compartment**



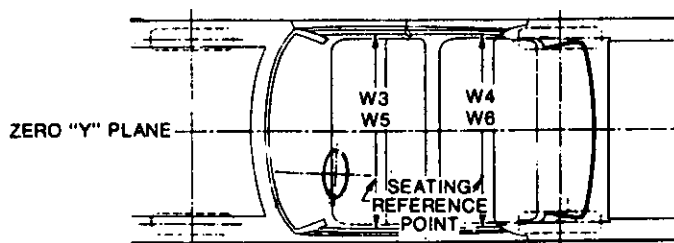
**Rear Compartment**



**Third Seat**



**Interior Width**





# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

#### 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 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.
- H127 HEADLAMP TO GROUND—CURB WEIGHT. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB WEIGHT. 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 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 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 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 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 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 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 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

- Vi 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.

# 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 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:  

$$\frac{W4 \times H201 \times L204}{1728} = \text{ft.}^3$$
 Measured in mm:  

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

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = \text{ft.}^3$$
 Measured in mm:  

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

# MVMA Specifications Form

## Passenger Car

### METRIC (U.S. Customary)

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