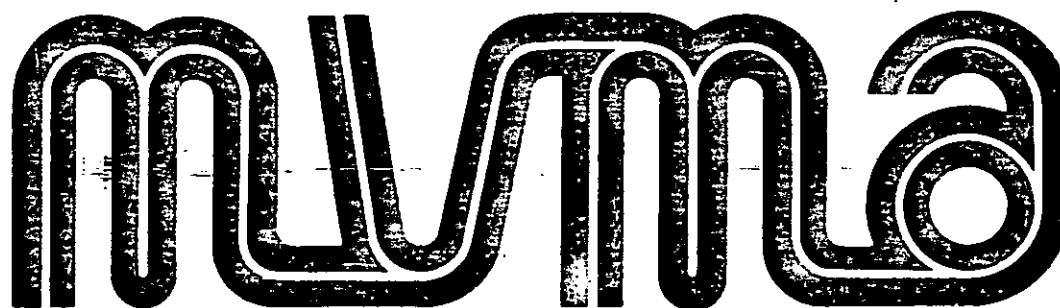




Specifications Form Passenger Car

1980

METRIC (U.S. Customary)

Manufacturer FORD MOTOR COMPANY	Car Line MUSTANG	
Mailing Address P. O. Box 2053 Dearborn, Michigan	Model Year 1980	Issued: Sept., 1979
		Revised (*)

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

METRIC (U.S. Customary)

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)

MVMA Specifications Form

Passenger Car

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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.

Car Line **MUSTANG**
Model Year **1980** Issued **9-79** Revised (*)

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. liters (in ³)	Carb.	Compr. Ratio	SAE Net at RPM		Exhaust System*		
				kW (bhp)	Torque N·m (lb. ft.)			
All Models (Except Calif.)	2.3L (140)	2V	9.0	66 (88) @ 4600	161 (119) @ 2600	S	Manual 4-Speed (Wide Ratio)	Std. - 3.08 (b)
							Automatic 3-Speed (C-3/C-4) (a)	Std. - 3.08:1 (b) Opt. - 3.45:1
All Models (California)	2.3L (140)	2V	9.0	66 (89) @ 4800	165 (122) @ 2600	S	Manual 4-Speed (Wide Ratio)	Std. - 3.08:1
							Automatic 3-Speed (C-3)	Std. - 3.08:1
All Models (All States)	2.3L (140) Turbo	2V	9.0			S	Manual 4-Speed (Wide Ratio)	Std. - 3.45:1
							Automatic 3-Speed (C-3)	Std. - 3.45:1
All Models (Except Calif.)	3.3L (200)	1V	8.6			S	Manual 4-Speed Overdrive	Std. - 3.08:1
							Automatic 3-Speed (C-3/C-4)	Std. - 2.73:1 (c)
All Models (California)	3.3L (200)	1V	8.6			S	Automatic 3-Speed (C-3/C-4)	Std. - 2.73:1
All Models (All States)	4.2L (255)		8.8	88 (118) @ 3800	262 (193) @ 2200	S	Automatic 3-Speed (C-4)	Std. - 2.26:1 (d)
NOTES: A/C Uses Std. Ratio (a) Altitude Pkg. Incl. C-4 Auto Trans. (b) 3.08:1 ratio included w/Altitude Pkg. (c) 2.73:1 ratio included w/Altitude Pkg. (d) Altitude N.A. in Calif.; 2.26:1 ratio incl. w/Altitude Pkg.								

*S—Single D—Dual

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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Engine — General

*Total dressed engine mass (wt) dry	155(341)Man. (b);140(308)A auto.	168(370)Man;153(337)A auto.
Type (inline, V and Angle, Flat) Location (Front, Mid, Rear)	Inline, OHC	
No. of cylinders	Four	
Bore	96.04 (3.781)	
Stroke	79.40 (3.126)	
Piston Displacement cm ³ (in ³)	2301 (140)	
Bore Spacing (C/L to C/L)	105.99 (4.173)	
Cyl. No. system	I. Bank	—
(front to rear) **	R Bank	—
Firing Order	1-3-4-2	
Cylinder Head Material	Cast Iron	
Cylinder Block Material	Cast Iron	
Cylinder block deck height	212.55 (8.368)	
Number of	Front	Two
mtg. points	Rear	One
Engine installation position (transverse, Longitudinal)	Longitudinal	
Recommended fuel Leaded, unleaded	Unleaded	
Fuel antiknock index (R + M) 2	N.A.	
Cylinder Head Volume — cm ³	61.3	
Head Gasket Thickness (Compressed)	1.09 (0.043)	
Head Gasket Volume — cm ³	8.9	
Deck clearance (minimum) (above or below block)	0.178 (0.007) [Above]	
Minimum Combustion Chamber Volumes — cm ³ (a)	76.9	

Engine — Pistons

Material	Aluminum Alloy (with or without steel struts)	
Description and finish	Full Skirt	Forged, Full Skirt
	Cam Ground	Cam Machined
Mass, g (weight, oz.)—Piston Only	497-503 (17.5-17.7) (d)	499-509 (17.60-17.95)
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)

*Dressed engine mass (weight) includes the following: ENGINE ASSEMBLY EXCEPT ALTERNATOR AND STARTER,
 (a) Total Clearance Volume. COMPONENTS (for Manual Trans.)
 (b) Includes Clutch Components.
 (c) With or Without Steel Struts.

..(d) 522-528 (18.41-18.62) with steel struts.

Rear of engine drive takeoff.

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

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*)

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Engine — General

Total dressed engine mass (wt) dry	180 (397) Man. 158 (348) A uto.	196(431)
Type (inline, V and Angle, Flat) Location (Front, Mid, Rear)	Inline, OHV	90°V, OHV
No. of cylinders	Six	Eight
Bore	93.5 (3.68)	
Stroke	79.40 (3.126)	76.2 (3.00)
Piston Displacement cm ³ (in ³)	3300 (200)	4200 (255)
Bore Spacing (C/L to C/L)	104.1 (4.1)	111.25 (4.38)
Cyl. No. system	L Bank	5-6-7-8
(front to rear) **	R Bank	1-2-3-4
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Cylinder Head Material	Cast Iron	
Cylinder Block Material	Cast Iron	
Cylinder block deck height	198.32 (7.808)	208.43 (8.206)
Number of	Front	Two
mtg. points	Rear	One (Transmission)
Engine installation position (transverse, Longitudinal)	Longitudinal	
Recommended fuel Leaded, unleaded	Unleaded	
Fuel antiknock index (R + M) 2	N.A.	
Cylinder Head Volume — cm ³	57.25 - 60.25	53.5 - 56.5
Head Gasket Thickness (Compressed)	0.686 (0.027)	11.938 (0.047)
Head Gasket Volume — cm ³	4.97	10.10
Deck clearance (minimum) (above or below block)	0.038 (0.0015) [a]	0.013 (0.0005)
Minimum Combustion Chamber Volume — cm ³ (b)	69.1	64.2

Engine — Pistons

Material	Aluminum Alloy with Steel Struts	
Description and finish	Cast, Autothermic, Slipper Skirt, Cam Ground	Cast, Autothermic, Slipper Skirt, Cam Ground and Tin Plated
Mass, g (weight, oz.)—Piston Only	442.5 (17.42)	473-467 (16.68-16.47)
mm(in.) Clearance (limits) (c)	Top land	0.762 - 1.087 (.030 - .043)
	Skirt Top	0.033 - 0.053 (.0013 - .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)

*Dressed engine mass (weight) includes the following.

- (a) Below Cylinder Block - Head Face
- (b) Total Clearance Volume
- (c) At Centerline and 90° to Axis of Pin Hole.
- @ Includes Clutch Components.

**Rear of engine-drive takeoff.

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1980 Issued 9-79 Revised (•) _____

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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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 #2 Cast Iron, Moly. Coated Cast Iron, Oxide Coat or Phosphate	Ductile Iron, Moly. Coated Cast Iron, Taper Face Chrome Plate
	Width	1.98-1.96 (0.078-0.077)	
	Gap	0.25-0.51 (0.010-0.020)	
Oil	Description— material, coating, etc. Multipiece	#3 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) 0.008-0.013 (0.0003-0.0005)
	In rod		0.0178-0.041 (0.0007-0.0016) Press Fit
Direction & amount offset in piston		Right 1.52 (0.060)	Right 1.02 (0.040)

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)

- (a) Replaceable Inserts
(b) Expander
(c) Each Rail

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) 7

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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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— #1	Cast Iron, Barrel Face (a)	Cast Iron, Barrel Face (d)
	Material, coating etc. #2	Cast Iron, Scraper Groove (b)	Cast Iron, Phosphate Coated
	Width	1.98 - 1.96 (0.078 - 0.077)	
	Gap	0.20 - 0.41 (0.008 - 0.016)	
Oil	Description— #3	Multi-piece: Two rails and One Spacer - Expander	
	Material, coating, etc.	Rails: Steel (SAE-1070) Chrome Plated, Black Oxide Coated	
	Spacer - Expander: Steel AISI-C-1075		
	Width	4.78 - 4.80 (0.188 - 0.189)	
Expanders	Gap	0.25 - 0.51 (0.010 - 0.020)	
	Rails Only: 1.381 - 1.397 (0.015 - 0.055)		
Part of Oil Ring Assembly			

Engine — Piston Pins

Material		Steel SAE 5015 H. T.	
Length		76.45 - 77.22 (3.01 - 3.04)	
Diameter		77.22 - 76.45 (3.040 - 3.010)	
Type	Locked in rod, in piston, floating, etc.		23.18 - 23.16 (0.912 - 0.912) Select Fit
	Press Fit in Rod		
	Bushing	In rod or piston	None
Clearance	Material		—
	In piston	1.008 - 0.013 (0.0003 - 0.0005)	
	In rod	0.005 - 0.010 (0.0002 - 0.0004)	
Direction & amount offset in piston		0.0178-0.041 (0.0007-0.0016) (c) Press Fit	
		Right 2.29 (0.090)	
		Right 1.588 (0.0625)	

Engine — Connecting Rods

Material		Nodular Cast Iron	Forged Steel, SAE-1541-H; Optional SAE-1151-M
Mass, g (weight, oz.)		530 (18.69)	498.86-509.78 (19.64 - 20.07)
Length (center to center)		119.76 (4.715)	149.48 - 129.32 (5.885 - 5.092)
Bearing	Material & Type		Plated Copper - Lead Alloy on Steel Back-Replaceable Insert
	Overall length		Aluminum Tin (Unplated)
	Clearance (limits)		20.57 - 20.07 (0.81 - 0.79)
	End Play		18.44 - 17.93 (0.726 - 0.706)
		0.018 - 0.061 (0.0007 - 0.0024)	
		0.018 - 0.051 (0.0007 - 0.002)	
		0.254 - 0.508 (0.010 - 0.020)	

- (a) Moly. Coated
- (b) Taper Face, Oxide Coated
- (c) Press Fit
- (d) Moly. Filled Groove

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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (#) _____

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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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 overal 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 (2.047 - 2.047)	

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 (c) 129 teeth
	Chain or Belt	Width	21.8 - 22.8 (0.86 - 0.90)
		Pitch	9.525 (0.375)

(a) Replaceable Inserts

(c) Glass Reinforced, Nylon Fabric Faced.

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

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (*)

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L (255 CID)
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Engine — Crankshaft

Material			Nodular Cast Iron Alloy (4.2L - Green Sand Process)	
Vibration damper type			Tuned Elastic Suspended, Inertia Member	
End thrust taken by bearing (No.)			Five	Three
Crankshaft end play			0.102-0.203 (0.004-0.008)	
Main bearing	Material & type		Lead Base Babbitt on Steel Back	Plated Coper - Lead Alloy on Steel Back
	Clearance		.018-.061 (.0007 - .0024)	(b)
	Journal dia. and bearing overal length	No. 1	57.11 x 25.78 (2.249 x 1.015)	57.11 x 22.35 (2.249 x 0.880)
		No. 2	57.11 x 25.78 (2.249 x 1.015)	57.11 x 22.35 (2.249 x 0.880)
		No. 3	57.11 x 25.78 (2.249 x 1.015)	57.11 x 28.75 (2.249 x 1.132)
		No. 4	57.11 x 25.78 (2.249 x 1.015)	57.11 x 22.35 (2.249 x 0.880)
		No. 5	57.11 x 32.26 (2.249 x 1.270)	57.11 x 22.35 (2.249 x 0.880)
		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		N.A.	R. B. Leads 17.92 (0.84)
No. bolts/main brg. cap		2		
Crankpin journal diameter			53.94 - 53.92 (2.124 - 2.123)	53.93 (2.123)

Engine — Camshaft

Location		In Block	
Material		Special Alloy Iron, Precision Molded, Induction Hardened Phosph. Coated	
Bearings	Material	Lead Base Babbitt on Steel Back, Replaceable Inserts (a)	
	Number	4	5
Type of Drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		Sintered Iron
	Camshaft gear or sprocket material		Sintered Iron (Alt. - Steel)
	Timing chain		Aluminum Die Cast Body, Molded Nylon Teeth
	No. of links		50
Chain or Belt	Width	19.35 (0.762)	18.44 - 19.05 (0.726 - 0.750)
	Pitch	9.525 (0.375)	

(a) 3.3L Alternate - Aluminum Alloy on Steel Back

(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
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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (•) _____

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Standard		
Valve rotator, type (intake, exhaust)			Ford Free Turn Intake and Exhaust		
Push rods (dia., length, material)			—		
Rocker ratio			1.4:1 to 1.6:1		
Operating tappet clearance (indicate hot or cold)	Intake		Zero		
	Exhaust		Zero		
Timing (based on top of ramp points)	Intake	Opens (°BTC)	22		
		Closes (°ABC)	66		
		Duration (deg.)	268		
	Exhaust	Opens (°BBC)	64		
		Closes (°ATC)	24		
		Duration (deg.)	268		
Valve open overlap (deg.)		46			
Intake Valve	Material		SAE-1547 Steel Alum. Hd. Silicon Chromium Steel		
	Overall length		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		Austenitic Steel (21-2N) Alum. Hd. Chromium, Nickel Alloy	
		Overall length mm (in.)		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 **1980** Issued **9-79** Revised (*)

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Engine — Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			Ford Free Turn Intake and Exhaust	Positive on Exhaust; 2-Piece on Intake
Push rods (dia., length, material)				7.899 (0.311), 174.75(6.88), Steel
Rocker ratio			1.52:1 (Int.), 1.51:1 (Exh.)	6.61:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero	
	Exhaust		Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)	20	16
		Closes (°ABC)	52	48
		Duration (deg.)	254	244
	Exhaust	Opens (°BBC)	59	48
		Closes (°ATC)	15	16
		Duration (deg.)	254	244
	Valve open overlap (deg.)		35	32
Intake Valve	Material		SAE-1547 Steel, Alum. Hd.	
	Overall length		108.2 (4.26)	128.78 (5.07)
	Actual overall head dia.		44.70 - 44.25 (1.76 - 1.74)	42.67 (1.68)
	Angle of seat & face (deg.)		Seat 44°30' to 45°; Face 45°30' to 45°45'	
	Seat insert material		None	
	Stem diameter		7.78 - 7.87 (.311 - .310)	8.64 (0.34)
	Stem to guide clearance		.020 - .063 (.008 - .0025)	0.025 - 0.069 (0.0010 - 0.0027)
	Lift (at zero lash)		9.32 (0.367)	9.713 (0.382)
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	254 @ 40.13 (57 @ 1.58)	356 @ 43.2 (80 @ 1.7)
		Valve open— N at mm (lb. at in.)	694 @ 30.48 (156 @ 1.20)	890 @ 33.0 (200 @ 1.3)
	Inner spring press. & length	Valve closed— N at mm (lb. at in.)	None	
		Valve open— N at mm (lb. at in.)	None	
Exhaust Valve	Material		Cast Austenitic Steel, Aluminized Head	
	Overall length		108.2 (4.26)	126.7 (4.99)
	Actual overall head dia.		35.5 - 35.1 (1.39 - 1.38)	36.83 (1.45)
	Angle of seat & face (deg.)		Seat 44°30' to 45°; Face 45°30' to 45°45'	
	Seat insert material		None	Induction Hardened
	Stem diameter		7.89 - 7.87 (0.311 - 0.310)	8.682 - 8.664 (0.3418 - 0.3411)
	Stem to guide clearance		0.025 - 0.069 (0.001 - 0.0027)	0.152 - 0.081 (0.0015 - 0.0032)
	Lift (at zero lash)		9.32 (0.367)	9.713 (0.382)
	Outer spring press. & length	Valve closed— N at mm (lb. at in.)	254 @ 40.13 (57 @ 1.58)	356 @ 40.6 (90 @ 1.6)
		Valve open— N at mm (lb. at in.)	658 @ 31.24 (148 @ 1.23)	890 @ 30.5 (200 @ 1.2)
	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 1980 Issued 9-79 Revised (*)

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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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 379 (55) PSI @ 2000 rpm
Type oil intake (floating, stationary)		Stationary, Shrouded Screen in Sump
Oil filter system (full flow, part, other)		Full Flow
Capacity of c/case, less filter-refill-L (qt.)		3.8 (4.0) Plus 0.9 (1.0) for Filter 4.3 (4.5) Plus 0.9 (1.0) for Filter
Oil grade recommended (SAE viscosity and temperature range)		* Multi - Viscosity
		+10°F & Above — SAE 20W 40
		-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. One, Straight Thru
Exhaust Pipe	Branch O.D., wall thickness	N. A.
	Main O.D., wall thickness	44.5 x 1.75 (2.00 x 0.054) Solid
	Material	Aluminized
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	50.8 x 1.37 (2.00 x 0.054)
	Material	Aluminized

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

Car Line **MUSTANG**
Model Year **1980** Issued **9-79** Revised (*)

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Oil Mist and Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	None	Splash
	Cylinder walls	Squirt and Splash	Oil Mist & Splash
Oil pump type		Gerotor	Rotor
Normal oil pressure-kPa(Psi) at engine rpm		207 - 345 (30 - 50) @ 2000	275.8 - 413.7 (40 - 60) @ 2000
Type oil intake (floating, stationary)		Stationary (4.2L - Shrouded Screen in Sump)	
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 Spec. ESE-M2C-153-A)	SE (Ford Spec. ESE-M2C-101-C)

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single	Single with Y System
Muffler No. & Type (reverse flow, straight thru, separate resonator)		One, Reverse Flow	One Louvre Flow
Resonator No. & type		N. A.	One Straight Through
Exhaust Pipe	Branch O.D., wall thickness	N. A.	
	Main O.D., wall thickness	44.5 x 1.75 (1.75 x 0.069) Solid	57.0 x 1.9 (2.25 x .076) Min. [Laminated]
	Material	Aluminized Inside	C.R.S.
Intermediate Pipe	O.D. & wall thickness	50.8 x 1.75 (2.00 x 0.069)	57.0 x 1.9 (2.25 x 0.069 Min. [Solid]
	Material	Low Carbon Steel	C.R.S.
Tail Pipe	O.D. & wall thickness	50.8 x 1.37 (2.00 x 0.054)	57.0 x 1.9 (2.25 x 0.069)
	Material	Aluminized Steel	

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Engine Description/Carb.

2.3L-2V
(140 CID)

2.3L-2V
(140 CID)
TURBO

Engine — Fuel System

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

Inductions type: Carburetor, fuel injections, etc.			Carburetor (downdraft)	
Fuel Tank	Refill capacity — L (U.S. gals.)		43.5 (11.5) (a) Approximate	47.3 (12.5) - Man. Trans. (b)
	Filler location		Right Rear Side	
Fuel Pump	Type (elec. or mech.)		Mechanical	Mech. - Man. Trans.; Elec. - Auto. Trans.
	Locations		Left Side of Engine	Left Side of Eng. - Man. Trans. (c)
	Pressure range — kPa (psi)		37.9 - 44.8 (5.5 - 6.5)	37.9-44.8 (5.5 - 6.5)-Man. Trans. (d)
Fuel Filter	Type (Series 2 req'd.)		#1 Poly-Chloride Cloth; #2 Nylon or Monel Cloth	
	Locations		#1 Serviceable Fuel Tank; #2 in Fuel Line At Carburetor	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		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)	800 (Drive) [600 (Drive) Calif.]
		Propane (Neu.)		
Idle A/F mix.		N. A.		

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in. 3)	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
2.3L-2V (140 CID)						
All (49 States)	2.3L	Manual	Holley-Weber	EOEE-RA/GA	One 2V	39.7 (1.564)
(California)	2.3L	Manual	Holley-Weber	EOEE-VA/NA	One 2V	39.7 (1.564)
All (49 States)	2.3L	Automatic	Holley-Weber	EOEE-TA/JA	One 2V	39.7 (1.564)
(California)	2.3L	Automatic	Holley-Weber	EOZE-AFA/SA	One 2V	39.7 (1.564)
2.3L-2V (140 CID) Turbo						
50 States - AC	2.3L	All	Holley-Weber	EOZE-ACA	One 2V	39.7 (1.564)
- Non AC	2.3L	All	Holley-Weber	EOZE-AMA	One 2V	39.7 (1.564)

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

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (•) _____

Engine Description/Carb.

3.3L-1V
(200 CID)

4.2L-2V
(255 CID)

Engine — Fuel System

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

Inductions type: Carburetor, fuel injections, etc.		Carburetor (Downdraft)	
Fuel Tank	Refill capacity — L (U.S. gals.)	47.3 (12.5) Approx.	66.2 (17.5)
	Filler location	Right Rear Quarter Panel	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Left Side of Engine	
	Pressure range — kPa (psi)	37.9 - 44.8 (5.5 - 6.5)	
Fuel Filter	Type	#1 Woven Poly-Chloride Cloth (c) #1Ply. Chl. Cl., #2Monel/Nyl cloth	
	Locations	#1 Serviceable In-Fuel Tank, #2 In-Fuel Line in Carburetor	
Carburetor	Choke type	Automatic, Electrically Operated Automatic - Full Electric	
	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	700 (Neutral) (a)
		Propane (Neu.)	20 - 60 Gain
		Automatic	550 (Drive) [49S] (b) 550 (Drive)
		Propane (Neu.)	10 - 30 Gain
	Idle A/F mix.		

(a) 900 (Neutral) with A/C

(c) #2 Nylon and Monel Cloth with Magnet

(b) 700 (Drive) with A/C [49S], [Calif.] - 600 (Drive) - Non A/C or 700 (Drive) with A/C

Carburetor Supplementary Information

Model Usage	Engine Displ. — L (in. ³)	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
3.3L-11 (200 CID)						
49 States - A/C	3.3L (200)	Manual	Holley 1946	EOZE-BBA	1-1V	
- Non AC			Holley 1946	EOZE-GA		
49 States - AC	3.3L (200)	Automatic	Holley 1946	EOZE-DA	1-1V	
- Non AC			Holley 1946	EOZE-EA		
California- AC	3.3L (200)	Automatic	Holley 1946C	EOBE-ZA	1-1V	
- Non AC			Holley 1946C	EOBE-AAA		
4.2L-2V (255 CID)						
49 States - AC	4.2L (255)	Automatic	Ford 2150	EOKE-GA	1-2V	39.6 (1.56)
- Non AC			Ford 2150	EOKE-HA		
Altitude - AC	4.2L (255)	Automatic	Ford 2150	EODE-SA	1-2V	39.6 (1.56)
- Non AC			Ford 2150	EODE-TA		
California- AC	4.2L (255)	Automatic	Ford 2150	EO4E-EA	1-2V	39.6 (1.56)
- Non AC			Ford 2150	EO4E-FA		

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

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (*) _____

Engine Description/Carb.

2.3L-2V
(140 CID)

2.3L-2V
(140 CID)
TURBO

Engine — Cooling System

Coolant recovery system (std., opt., none)		Pressure	
Radiator cap relief valve pressure—kPa (psi)		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 & spacing		4 Uneven
	Diameter		406.6 (16.00)
	Ratio—fan to crankshaft rev.		1.05:1
	Fan cutout type		None
	Drive Type-Number of Fans		4 Uneven - Elec. Motor Driven
Fan (optional) A/C	No. of blades and spacing		5 Uneven
	Diameter		419.1 (16.50)
	Ratio—fan to crankshaft rev.		1.05:1
	Fan cut-out type		Flex Blade
	Drive Type-Number of Fans		N O N E

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

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

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (*)

Engine Description/Carb.

3.3L-1V
(200 CID)

4.2L-2V
(255 CID)

Engine — Cooling System

Coolant recovery system (std., opt., none)		Std.	
Radiator cap relief valve pressure—kPa (psi)		82.7 - 103.4 (12 - 15) [a]	97 - 124 (14 - 18)
Circulation thermostat	Type (choke, bypass)	Choke-Poppet or Sleeve Valve	
	Starts to open at °C (°F)	86.7°-90.6° (188°-195°)	89 - 93 (193 - 200) Fully Open 105(221)
Water pump	Type (centrifugal, other)	Centrifugal - Vane	
	GPM 1000 pump rpm	6.0	16.0
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
	Bearing type	Double Row, Sealed, Ball & Ball	
By-pass recirculation type (inter., ext.)		Internal	External
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)		Downflow, Tube and Fin Crossflow, Tube and Fin (A/C)	Crossflow, Tube and Slit Fin
Cooling System Capacity	With heater—L (qt.)	8.5 (9.0)	13.4 (14.2)
	Without heater—L (qt.)	7.8 (8.2)	12.6 (13.3)
	Opt. equipment—specify—L (qt.)	8.5 (9.0) w/AC	13.5 (14.3) w/AC
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)	38 (1.50) at Radiator; (b) 38.1 (1.50) at Radiator; (c)
	Upper	Number and type (molded, straight)	One-Molded
		Inside diameter (a)	38(1.50) at Radiator; (d) 38.1 (1.50) at Radiator; (e)
	By-pass	Number and type (molded, straight)	None
		Inside diameter (a)	15.6 (0.615)
Radiator (Core)	Standard	Widthmm (in.)	622.3 (24.50)
		Heightmm (in.)	453.1 (17.84)
		Thickness	20.6 (0.81)
	A/C	Widthmm (in.)	622.3 (24.50)
		Heightmm (in.)	453.1 (17.84)
		Thickness	20.6 (0.81)
	Heavy duty	Width	—
		Height	—
		Thickness	—
Fan (Standard)	Number of blades & spacing		2 Even
	Diameter		419.1 (16.5)
	Ratio— fan to crankshaft rev.		1.18:1
	Fan cutout type		None
	Drive Type-Number of Fans		2 Uneven
Fan (optional)	No. of blades and spacing		4 Uneven
	Diameter—mm (in.)		469.9 (18.5)
	Ratio— fan to crankshaft rev.		1.08:1
	Fan cut-out type		Flex Blade
	Drive Type-Number of Fans		5 Uneven

[a] 96.5-124.1 (14-18) with A/C (a) mm (in.) (b) 38(1.50) at Water Pump
 (c) 44.5 (1.75) at Water Pump (d) 32 (1.25) at Water Pump (e) 44.5 (1.75) at Water Pump

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (•) _____

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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Vehicle Emission Control

Exhaust Emission Control	Type (Air Injection, engine modifications, other)		Vehicle, Engine, Carburetor and Distributor Modifications Plus Exhaust Gas Recirculation and Air Injection	
	Air Injection Pump	Type	Vane Type, Constant Displacement	
		Displacement—cm ³ (in ³)	311 (19)	
		Drive ratio	0.95:1	
		Drive type	Belt	
		Relief valve (type)	None	
		Filter (describe)	Centrifugal	
	Air Injection System	Air distribution (head, manifold, etc.)	Exhaust Manifold and Cylinder Head	
		Point of entry	Exhaust Port in Cylinder 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	Vacuum Operated Poppet
		Valve location	Carb. Spacer	Intake Manifold
		Control energy source	Carburetor 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)	Carb. Spacer	Intake Manifold
	Catalytic Converter System	Catalyst	Type	Monolithic
			Volume—L (in ³)	
		Substrate type	Coated Ceramic Monolith	
		Container location	49S - Under Body & Toeboard; Calif. - Under Body Only	All States - Under Body & Toeboard
Other Exhaust Gas Catalytic Conversion System	No. of Converters	Two (49S); One (Calif.)	Two (All States)	
	Conv. Size—(in ³)	(42) Under Toeboard & (55) Under Body - 49S; (80) Under Body - Calif.	(42) Under Toeboard & (55) Under Body - 49S; (42) Under Toeboard & (92) Under Body - Calif.	

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*)

Engine Description/Carb.

3.3L-1V
(200 CID)

Vehicle Emission Control

Exhaust Emission Control	Type (Air Injection, engine modifications, other)		Vehicle, Engine, Carburetor and Distributor Modifications Plus Exhaust Gas Recirculation
	Air Injection Pump	Type	Vane Type, Constant Displacement
		Displacement—cm ³ (in ³)	311 (19)
		Drive ratio	1.37:1 (b)
		Drive type	Belt
		Relief valve (type)	None
		Filter (describe)	Centrifugal
	Air Injection System	Air distribution (head, manifold, etc.)	External Air Manifold
		Point of entry (a)	Multiple or Single Entry to Man.
		Injection tube i.d.	6.4 (0.25) Multiple, 7.27 (0.680) Sgl.
		Check valve type	Diaphragm
		Backfire protection (type)	By Pass Valve
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled Flow
		Valve type (a)	Poppet or Tapered Stem
		Valve location	Intake Manifold
		Control energy source	Transducer - Back Pressure
		Exhaust source	External Tube
		Exhaust cooler type	None
		Orifice no. and size (a)	3.18 - 11.43 (.125 - .45)
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converter System	Catalyst Type	Monolithic
		Volume—L (in ³)	1.56 (78) - 49S; 2.46 (92) - Calif.; 1.02 (62)
		Substrate type	Coated Ceramic Monolith
		Container location	Transverse Mtd. under Trans. Ext. H'sng. & Exh. Flange Mtd. and Flange Mtd. on Exhaust Manifold
	Other	No. of Converters	Two

(a) Exact Components Vary According to Engine Calibration.

(b) 1.06: with Auto. Trans. (Replaced with Pulse-Air for (49S) Auto. Trans.)

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Engine Description/Carb. _____

4.2L-2V/VV (255 CID)	
(49-States)	(California)

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 ³ (in ³)	311 (19) [Constant Displacement]		
		Drive ratio	1.36:1		
		Drive type	Belt - Serpentine		
		Relief valve (type)	None		
		Filter (describe)	Centrifugal		
	Air Injection System	Air distribution (head, manifold, etc.)	Cylinder Head		
		Point of entry	Multiple to Cylinder Head	Exhaust Ports	
		Injection tube I.d.	6.35 (0.25) Multiple, 17.27 (0.680) Single		
		Check valve type	Diaphragm		
		Backfire protection (type)	Bypass Valve	Check Valve	
	Exhaust Gas Recircula- tion System	Type (controlled flow, open orifice, other)	Controlled Flow		
		Valve type	Poppet or Tapered Stem	Tapered Pintle	
		Valve location	Intake Manifold		
		Control energy source	Carburetor Port Vacuum	Intake Manifold Vacuum	
		Exhaust source	Intake Man. Crossover		
		Exhaust cooler type	None		
		Orifice no. and size			
Point of exhaust injection (spacer, carburetor, manifold, other)		Intake Manifold			
Catalytic Converter System	Catalyst	Type	Oxidation (Oxidation and 3-Way in Calif.)		
		Volume—L (in ³)			
	Substrate type	Monolithic			
	Container location				
Other					

- (a) Components vary according to Engine Calibration.
 (b) Information N.A. at this printing.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1980 Issued 9-79 Revised (•)

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., Induction system, other)		Standard	Induction System (Closed System)		
			Optional	None		
	Control Unit	Make and model	6C317	Ford D8EE-AA (a)	Ford D8DE-AA	
		Location	Left Side Crankcase Rocker Cover			
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum		Carb. Plenum Vac.	
		Control method (variable orifice, fixed orifice, other)	Variable Orifice			
	Complete System	Discharges (to intake manifold, other)	Carb. Spacer		Intake Manifold	
		Air inlet (breather cap, other)	Carb. Air Cleaner			
		Flame arrestor (screen, other)	Emission Valve and Air (b)		Emission Valve & (c)	
	Evaporative Emission Control	Fuel Tank	Thermal expansion volume—dm ³ (ft ³)		N. A.	
Relief Pressure kPa (psi) and location			11.0 (1.6) Min. Opening Press; Orifice Assembly in Tank Plus Valve in Filler Cap.			
Vacuum relief kPa (psi) and location			3.5 (0.50) Max. Opening Press; Orifice Assembly in Tank Plus Valve in Filler Cap.			
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 ³ (ft ³) or capacity (grams) (Milliliter)		925 - 49S; 1400 - Calif.		
		Control valve type		Purge Valve		
Other	MCU System (2.3L-Calif.)		The Microprocessor Control Unit (MSU) Controls Feedback Carburetor, Canister Purge and Secondary Air.			

(a) D8EE-BA - 49 States Manual Transmission.

(b) Cleaner Filter

(c) Breather Cap

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (•) _____

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction (Closed) System	
			Optional	None	
	Control Unit	Make and model		D9BE-6A666-CA	D8ZE-6A666-AB
		Location		Rocker Arm Cover (3.3L - 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)		Carb. Spacer	Intake Manifold
		Air inlet (breather cap, other)		Carburetor Air Cleaner	
		Flame arrestor (screen, other)		Emission Valve and Air Cleaner Filter	
Evaporative Emission Control	Fuel Tank	Thermal expansion volume—dm ³ (ft ³)		7.6 (0.27) Approx.	11.3 (0.4) Approx.
		Relief Pressure kPa (psi) and location		11.0 (1.6) Min. Opening Pressure with Open Orifice Assembly in Tank, Plus Valve in Filler Cap	
		Vacuum relief kPa (psi) and location		3.5 (0.5) Max. Opening Pressure with Open Orifice Assembly in Tank, Plus Valve in Filler Cap	
		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 ³ (ft ³) or capacity (grams)		925ml	925ml-49S; 1400ml-Calif.
		Control valve type		Purge Solenoid	

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Engine Description/Carb.

2.3L-2V (140 CID) (b)	3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Electrical — Supply System

Battery	Make and Model - 10655- (a)		Motorcraft EOAF-BA EOAF-AA	
	Voltage Rtg. - V - & Total Plates		12 Volt	
	SAE Designation No. and/or capacity		45 A.H. - 2.3L 54 A.H. - 2.3L Turbo	36 A.H.
	Location		Right — Front Corner of Engine Compartment	
Generator or Alternator	Make		Motorcraft	
	Model - 10300- (a)		D8ZF-AA (40A)	D9ZF-AA (60A)
	Type and rating		3-Phase, Full Wave Bridge Rectified, Self-Limiting	
	Output at engine idle (neutral) A		—	
Regulator	Ratio—Gen. to Cr/s rev.		2.31:1	3.0:1
	Make		Motorcraft	
	Model - 10316		D9VF-AB	
	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 -11001-		D8EF-AA (c)	D8BF-AA (d)	D80F-AA	
Motor Drive	Engagement Type		Positive (Electro-Mechanical)			
	Pinion engages from (front, rear)		Front			
		Pinion	9			
	Number of teeth	Flywheel	Manual	132	136	None
			Auto	135	132	164

- (a) See Page 12a for Complete Applications
 (b) Both Non-Turbo & Turbo Engines
 (c) Manual & Auto. Trans.
 (d) Shown w/Man. Trans.; D8BF-CA w/Auto. Trans.

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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*)

ALTERNATOR APPLICATIONS

	NON A/C ALTERNATOR RATING	DRIVE RATIO	A/C ALTERNATOR RATING	DRIVE RATIO
2.3L	D8ZF-AA (40) STD	2.31	D8ZF-CA (60)	2.31
	D8ZF-EA (40) (with P/S)	2.31	D8ZF-BA (60) (with P/S)	2.42
	D8ZF-CA (60) (B less P/S)	2.31	D8ZF-HA (65) (A with B	2.31
	D8ZF-BA (60) (B with P/S)	2.42	less P/S + Calif.)	
2.3L Turbo	D8ZF-AA (40) STD	2.31	D8ZF-CA (60) (M less P/S)	2.31
	D8ZF-EA (40) (with P/S)	2.31	D8ZF-BA (60) (M with P/S)	2.42
	D8ZF-CA (60) (M with B less P/S)		D8ZF-HA (65) (A less P/S)	2.31
	(A less P/S)	2.31	D8BF-CA (65) (A with P/S)	2.42
	D8ZF-BA (60) (M with B with P/S)			
	(A with P/S)	2.42		
3.3L	D8ZF-AA (40) STD	2.31	D8ZF-BA (60)	2.42
	D8ZF-CA (60) (M with B)	2.31	D8BF-DA (70) (A)	2.20
	D8ZF-FA (70) (A with B)	2.20		
4.2L	D9ZF-AA (60) STD	3.00	D9ZF-AA (60)	3.00
			D9AF-CA (70) (B)	2.68

A - Auto - Transmission
 M - Manual Transmission
 B - With Heated Backlite
 Turbo - Turbo Charged Engine
 P/S - Power Steering

BATTERY APPLICATIONS

<u>ENGINE</u>	<u>STANDARD</u>	<u>OPTIONAL</u>
2.3L Turbo	EOAF-CA 54 A.H.	
2.3L	EOAF-BA 45 A.H.	EOAF-CA 54 A.H.
3.3L (200)	EOAF-AA 36 A.H.	EOAF-CA 54 A.H.
4.2L (255)	EOAF-AA 36 A.H.	EOAF-CA 54 A.H.

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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*)

Engine Description/Carb.

2.3L-2V
(140 CID)

2.3L-2V
(140 CID)
TURBO

Electrical — Ignition System — Distributor

Distributor	Manual	EOEE-CA (49S) EDEE-DA (Calif.)	EOZE-BA (49S) EOZE-GA (Calif.)
	Automatic	EOEE-DA/FA (49S) EOEE-BA (Calif.)	EOZE-HA (49S) EOEE-EA (Calif.)
Timing	Manual	6° BTDC (49S) 6° BTDC (Calif.)	6° BTDC (49S) 2° BTDC (Calif.)
	Automatic	20° BTDC (49S) 12° BTDC (Calif.)	10° BTDC (49S) 2° BTDC (Calif.)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
EOEE-BA	With 2.3L-2V (140 CID) Engine 0-4.8 @1220	2.2-6.2 @1300	20.4-26.2 @ 5000	+ 1 @2" -1-5.5 @3.8"	13.5-18.5@2.5"
EOEE-CA	0-5 @1160	7.5-11.5 @1480	22.6-28 @ 5000	+ 1 @1.7" -1-8.2 @4.3"	21.5-26.5@25"
EOEE-DA	0-6.4 @1200	7.5-11.4 @1460	23.2-28 @ 5000	+ 1 @2.1" -1-7.2 @4.8"	21.5-26.5@25"
EOEE-FA	0-5.2 @2280	-	10.2-15.8 @ 5000	+ 1 @2.1" -1-7.8 @5"	21.5-26.5 @25"
EOZE-BA	With 2.3L-2V (140 CID) Turbo Engine 0-3.5 @1080	5.9-9.6 @1520	17.2-22.6 @ 5000	+ 1 @ 1.7" -1-5.4 @4.3"	17.5-22.5@25"
EOZE-GA	0-6 @1000	9.2-15.2 @1300	21.2-26.8 @ 5000	+ 1 @2.2" -1-7.5 @5"	21.5-26.5@25"
EOZE-HA	0-5.5 @1000	1.5-5.5 @1070	13.2-18.6 @ 5000	+ 1 @2.2" -1-5.8 @4.6"	13.5-18.5@25"
EOEE-EA	0-6.2 @1000	8.6-13.5 @1320	22.2-27.5 @ 5000	+ 1 @2" -1-7.8 @5"	13.5-18.5@25"

MVMA Specifications Form
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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Electrical — Ignition System — Distributor

Distributor	Manual	D9BE-DA (49S)	-
	Automatic	D8BE-EA (49S)	EOZE-AA (49S) EOSE-CA (50S)
Timing	Manual	10° BTDC (49S)	-
	Automatic	10° BTDC (49S)	8° BTDC (49S) 6° BTDC (50S)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa (in. of Hg.)	
	Start	Intermediate	Maximum	Start	Maximum
D9BE-DA	With 3.3L-1V (200 CID) Engine 0-4 @1260	5-9 @1850	11.8-19.5 @ 5000	+ 1 @1.8" -1-5.5 @4.3"	17.5-22.5@25"
D8BE-EA	0-4 @1520	5.4-9.5 @2200	13.4-19 @ 5000	+ 1 @2.4" -1-5.8 @5.4"	17.5-22.5@25"
EOZE-AA	With 4.2L-2V (255 CID) Engine 0-6.6 @1000	6-10.2 @1240	19.8-25.4 @ 5000	+ 1 @2.3" -1-4.8 @3.8"	21.5-26.5@25"
EOSE-CA	0-4 @1270	5.6-9.2 @1680	18.2-23.5 @ 5000	+ 1 @2.1" -1-8 @5"	21.5-26.5@25"

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*)

Engine Description/Carb.

2.3L-2V
(140 CID)

2.3L-2V
(140 CID) Turbo

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.)
Spark Plug	Make		Motorcraft
	Model -12405-		AWSF-42 AWSF-32
	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, Capacitor on Voltage Regulator, Resistor Spark Plugs and Resistance Core Ignition Wire. Ground Cable - Engine to Dash Ground Cable, Hood Bond, Inst. Panel RF Bond Strap and Windshield Wiper Motor Capacitor Module (FM Radios Only).
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Electrical — Instrument and Equipment

Speedometer	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 (c)
Windshield 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 ² (in. ²)	4817.5 (746.9)
Windshield Washer	Type — standard	Electric Pump (Impeller Type)
	Type — optional	None
	Fluid level indicator	Optional (Warning Light) (c)
Horn	Type	Air Electric
	Number used	1
	Current draw (A) per horn	6.2 Max.
Other	Brake System Warning Light - Emergency Flasher, Directional Signal, Lights, Hi-Beam Indicator, Fasten Seat Belts Warning Light Std., Electric Tachometer (6000 rpm)-Std., Door Ajar Warning Light and Head Lamps "On" Warning Buzzer (N.A. in Cluster Area) - Optional. (b)	

(a) California (b) Electric Tach. (8000 rpm) Turbo Light for boost and Engine Warning Light for excessive boost or Hot Engine Oil (w/Opt. 2.3L Turbo engine). (c) Electronic Graphic Display warning indicator system in-console. Also includes Lamp-out Indicator for Headlamps, Taillights
 MVMA-C-80 or Brakelights.

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

Car Line **MUSTANG**

Model Year ***1980**

Issued **9-79**

Revised (*)

Engine Description/Carb.

**3.3L-1V
(200 CID)**

**4.2L-2V
(255 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		BRF-82
	Thread (mm)		18
	Tightening torque—N·m (lb. ft.)		20.3-27.1 (15-20)
	Gap		1.27 (0.050)
			ASF-42

Electrical — Suppression

Locations & type	(See Page 14)
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Electrical — Instruments and Equipment

Speedometer	Type	
	Trip odometer (std., opt., N.A.)	(See Page 14)
EGR maintenance indicator		
Charge Indicator	Type	
	Warning device	
Temperature Indicator	Type	
	Warning device	
Oil pressure Indicator	Type	
	Warning device	
Fuel Indicator	Type	
	Warning device	
Windshield Wiper	Type—standard	
	Type—optional	
	Blade length	
	Swept area—cm ² (in. ²)	
Windshield Washer	Type—standard	
	Type—optional	
	Fluid level indicator	
Horn	Type	
	Number used	
	Current draw (A) per horn	
Other		

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

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (*)

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO	3.3L-2V (200 CID)
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Drive Units — Clutch (Manual Transmission)

Make & type	Single Disc. Dry Plate		
Type pressure plate springs	Belleville Spring		
Total spring load—N (lb.)	4693 (1055)	5778 (1299)	5160 (1160)
No. of clutch driven discs	One		
Clutch facing	Material	Woven Asbestos	
	Manufacturer	Porter	Raybestos
	Part Number	—	
	Rivets/Plate	12	24
	Rivet size	9/64 x 7/32	
	Outside & inside dia.	(8.5 x 5.75)	230 x 152.4 (9.06 x 6.0)
	Total eff. area—cm ² (in. ²)	397.2 (61.56)	467.1 (72.4)
	Thickness	3.18 (0.125)	
Release bearing	Engagement cushion method	Torband Disk	
	Type & method of lubrication	Self-Centering, Angular Contact, Constant Running, Prepacked	
Torsional damping	Methods: springs, friction material	Steel Coil Springs	

Drive Units — Transmissions

Manual 3-speed (std., opt., N.A.)	N. A.		
Manual 4-speed (std., opt., N.A.)	Std.	Std.	Std. (b)
Manual 5-speed (std., opt., N.A.)	N. A.		
Manual overdrive (std., opt., N.A.)	N. A.		
Automatic (std., opt., N.A.)	Opt. (C-3)	Opt. C-4 (C-3, C-4 w/Calif.)	

Drive Units — Manual Transmissions

Number of forward speeds		Four	Four (A. H.)	Four	Four
Transmission ratios	In first	3.98:1	4.07:1	4.07:1	3.29:1
	In second	2.14:1	2.57:1	2.57:1	1.84:1
	In third	1.42:1	1.66:1	1.66:1	1.00:1
	In fourth	1.00:1	1.00:1	1.00:1	0.81:1
	In fifth				
In reverse		3.99:1	3.95:1	3.95:1	3.29:1
Synchronous meshing, specify gears		1st, 2nd, 3rd, 4th			
Shift lever location		Floor			
Lubricant	Capacity—L (pt.)		1.3 (2.8)	1.7 (3.5)	2.1 (4.5)
	Type recommended		ESP-M2C83-C		
	SAE viscosity number	Summer	80		
		Winter	80		
		Extreme cold	—		

- (a) Woven Asbestos/Non-Asbestos
 (b) Std. (W/Overdrive 4th Gear)

MVMA Specifications Form
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METRIC (U.S. Customary)

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (•) _____

Engine Description/Carb.

2.3L-2V
(140 CID)

Drive Units—Automatic Transmission

Trade name		Select Shift (C-3)	Select Shift (C-4)
Type (describe)		Torque Converter with Planetary Gears	
Selector location		Floor Mounted	
Gear Ratios	P	—	
	R	2.11:1	2.19:1
	N	—	
	D	1.00:1	1.00:1
	L2	1.47:1	1.46:1
	L1	2.47:1	2.46:1
Max. upshift speed—drive range—km/h (mph)		122(76)-2.3L, 126(78)-Turbo	131.5 (81.7)
Max. kickdown speed—drive range—km/h (mph)		116(72)-2.3L, 118(73)-Turbo	117.6 (73.1)
Torque Converter	Number of elements	Three	
	Max. ratio at stall	2.49:1	2.00:1
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	260.35 (10.25)	
Lubricant	Capacity—refill—L (pt.)	7.6 (16) Approx. C-3; 6.4 (13.4) Approx. C-4; 9.1 (19) Approx.	
	Type recommended	Type G, for (C-3) and ESP-M2C138-CJ for (C-4)	
Special transmission features		Transmission Can Be Locked in 1 or 2 Positions, Vacuum Controlled Throttle Valve.	

Drive Units—Axle

Type (front, rear)		Rear	
Description		Conventional, Semi-Floating, Overhung Pinion	
Limited Slip differential, type		None	
Drive Pinion Offset		6.75:38.1 (1.50); 7.5:25.4 (1.0)	
No. of differential pinions		Two and Four: 6.75; Two: 7.5	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		Collapsible Spacer	
Wheel bearing type		6.75 Single Row, Double Sealed Ball Bearing; 7.5: Straight Roller	
Lubricant	Capacity—L (pt.)	6.75:1.8 (2.5)	7.5:1.65 (3.5)
	Type recommended	ESW-M2C105-A	
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

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

Axle Ratio		(a)(c)	(a)	(b)
No. of teeth	Pinion	15	12	11
	Ring gear	41	37	38
Ring Gear O. D. mm (in.)		190.5 (7.5)	190.5 (7.5)	190.5 (7.5)
Transaxle	Transfer Gear Ratio			
	Final Drive Ratio			

- (a) For 2.3L
 (b) For 2.3L Turbo
 (c) Also avail. 6.75 (171.5)

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

Car Line **MUSTANG**
 Model Year **1980** Issued **9-79** Revised (*)

Engine Description/Carb.

3.3L-1V (200 CID)	4.2L-2V (255 CID)
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Drive Units—Automatic Transmission

Trade name	Select Shift (C-4)	
Type (describe)	Torque Converter with Planetary Gears	
Selector location	Floor Mounted	
Gear Ratios	P	
	R	2.19:1
	N	
	D	1.00:1
	L2	1.46:1
	L1	2.46:1
Max. upshift speed—drive range—km/h (mph)	118.1 (73.4)	143.2 (89)
Max. kickdown speed—drive range—km/h (mph)	102 (63.4)	123.3 (76.6)
Torque Converter	Number of elements	Three
	Max. ratio at stall	2.09:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter mm (in.)	260.35 (10.25) 305 (12)
Lubricant	Capacity—refill—L (pt.)	6.8 (14.3) 9.1 (19.2)
	Type recommended	ESP-M2C138-CJ
Special transmission features	Transmission can be Locked in 1 or 2 Positions, Vacuum Controlled Throttle Valve.	

Drive Units—Axle

Type (front, rear)	(See Page 16)	
Description		
Limited Slip differential, type		
Drive Pinion Offset		
No. of differential pinions		
Pinion adjustment (shim, other)		
Pinion bearing adj. (shim, other)		
Wheel bearing type		
Lubricant	Capacity—L (pt.)	
	Type recommended	
	SAE viscosity number	Summer
		Winter
		Extreme cold

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

Axle Ratio		(c)	(b)	(a)
No. of teeth	Pinion	2.26 19	2.73:1 15	3.08:1 12
	Ring gear	43	41	37
	Ring Gear O. D. mm (in.)	190.5 (7.5)	190.5 (7.5)	190.5 (7.5)
Transaxle	Transfer Gear Ratio			
	Final Drive Ratio			

(a) For 3.3L Manual

(b) For 3.3L Auto.

(c) For 4.2L Auto.

MVMA Specifications Form
Passenger Car
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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*)

Engine Description/Carb.

2.3L-2V (140 CID)	2.3L-2V (140 CID) TURBO
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Drive Units—Propeller Shaft

Number used		One		
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Internal Tuned Damper		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	Not Available		
	Manual 4-speed trans.	76.2 x 1208 x 1.65 (a) (d) (3.00 x 47.57 x 0.065)	76.2 x 1188 x 1.65 (b) (e) (3.00 x 46.78 x 0.065)	
	Manual 5-speed trans.	N.A.		
	Overdrive	N.A.		
	Automatic transmission	76.2 x 1225 x 1.65 (b) (c) (f) (g) (3.00 x 48.21 x 0.065)	76.2 x 1225 x 1.65 (b) (c) (3.00 x 48.21 x 0.065)	
Inter-mediate bearing	Type (plain, anti-friction)	None		
	Lubrication (fitting, prepack)	None		
Slip Yoke	Type	Plain		
	Number of teeth	C-3, HM4WR - 25 C-4, SR4 - 28		
	Spline O. D.	C-3, HM4WR-28.321(1.115)Max. C-4, SR4-30.998(1.220)Max.		
Universal joints	Make and Mfg. No.	Ford 1310		
	Number used	Two		
	Type (ball and trunnion, cross)	Cross		
	Rear attach (u-bolt, clamp, etc.)	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		

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

- (a) 6-3/4" Axle
 (b) 7.5" Axle
 (c) C-3 Automatic
 (d) HM 4 WR Manual
 (e) SR 4 Manual
 (f) C-4 Automatic - 76.2 x 1188 x 1.65 (3.00 x 46.78 x 0.065) w/6 3/4" Axle
 (g) C-3 Automatic - 76.2 x 1243 x 1.65 (3.00 x 48.93 x 0.065) w/6-3/4" Axle

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (•)

Engine Description/Carb.

3.3L (200 CID)	4.2L-2V (255 CID)
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Drive Units — Propeller Shaft

Number used		One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Internal Tuned Damper or Cardboard Lined	Cardboard Lined
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.	N. A.	
	Manual 4-speed trans. w/ Overdrive	69.85 x 1157 x 1.65 (c) (d) (2.75 x 45.57 x 0.065)	N. A.
	Manual 5-speed trans.	N. A.	
	Overdrive	N. A.	
	Automatic transmission	69.85 x 1157 x 1.65 (a) (b) (e) (f) (2.75 x 45.57 x 0.065)	69.85 x 1175 x 1.65 (a) (b) (2.75 x 46.25 x 0.065)
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting prepack)	None	
Slip Yoke	Type	Plain	
	Number of teeth	28 & 25	28
	Spline O.D.	C-4 & 4-Spd. OD:30.988 (1.220)Max. C-3: 28.321 (1.115) Max.	30.988 (1.220) Max.
Universal joints	Make and Mfg. No.	Ford 1310	
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach (u-bolt, clamp, etc.)	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	

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

(a) 7.5" Axle

(b) C-4 Automatic

(c) 6.75" Axle

(d) 69.85 x 1140 x 1.65 (2.75 x 44.90 x 0.065) w/7.5" Axle

(e) C-4 Automatic: 69.85 x 1175 x 1.165 (2.75 x 41.25 x 0.065) w/6.75 Axle

(f) C-3 Automatic-69.85 x 1312 x 1.165 (2.75 x 47.70 x 0.065) w/6.75 Axle

-69.85 x 1292 x 1.165 (2.75 x 46.98 x 0.065) w/7.5 Axle

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (•) _____

Engine Description/Carb. _____

Drive Units—Tires And Wheels (Standard)

TIRES	Size, load range, ply		P185/80R13 BSW [P175/75R14BSW w/Ghia]
	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)		330 x 127 (13 x 5.0) 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 wheel (same or other)		356 x 127 (14 x 5) w/B78 x 14 BSW Tire (Temporary use only)

Drive Units—Tires And Wheels (Optional)

Size, load range, ply		P175/75R-14 BSW (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 (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
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

Brakes—Parking

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

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

MVMA Specifications Form
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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Body Type And/Or Engine Displacement

--

Brakes—Service

Brake Type (std., Opt., N.A.)	Drum	Front	N. A.	
		Rear	Std.	
	Disc	Front	Std.	
		Rear	N. A.	
Self-adjusting (std., opt., N.A.)			Std.	
Special Valving	Type (proportion, delay, metering, other)			
Power Brake (std., opt., N.A.)			Pressure Differential and Proportioning	
Booster Type (remote, integral, vac., hyd., etc.)			Optional, Mandatory with 2.3L Turbo, 3.3L & 4.2L Engines	
Anti-skid device type (std., opt., N.A.)			220mm Single Diaphragm — Integral Vacuum	
Effective area—cm ² (in. ²)*			N. A.	
Gross lining area—cm ² (in. ²)**			Front - 174.8 (27.1); Rear - 302.6 (46.9)	
Swept area—cm ² (in. ²)* **			Front - 199.5 (30.93); Rear - 331.6 (51.4)	
Rotor	Outer working diameter	F	236 (9.31)	
		R	N. A.	
	Thickness	F	22.1 (0.870)	
		R	N. A.	
	Material & type (vented/solid)	F	Cast Iron Vented	
		R	N. A.	
Drum	Diameter (nominal)	Front	N. A.	
		Rear	228.6 (9.0)	
	Type and material		Composite Cast Iron Steel; Aluminum W/C.I. Liner - Optional	
Wheel cylinder bore	Front	59.9 (2.36)		
	Rear	19.05 (0.75)		
Master Cylinder	Bore	22.2 (0.875)		
	Stroke	34.8 (1.37) Manual; 35.6 (1.40) Power		
Pedal arc ratio			5.80:1 Manual; 3.50:1 Power	
Line pressure at .45 N (100 lb.) pedal load—MPa (psi)			N. A.	
Lining Clearance Per Shoe	Front	0.254 (0.010)		
	Rear	0.381 (0.015)		
Brake Lining	Front Wheel	Bonded or riveted, rivets/seg.		Riveted
		Rivet size		9/64
		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 & 4.2L
		----	Prim. or out-board	N. A.
		Size	Second or in-board	N. A.
	Rear Wheel	Shoe thickness (no lining)mm (in.)		5.1 (0.203)
		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
		----	Prim. or out-board	155 x 44 x 4.7 (6.12 x 1.75 x 0.187)
		Size	Second 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 width x thickness.

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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

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) Offset	
		Power		381 (15in.) W/. 25in. Offset; Opt: 368mm (14.5in.) W/6.4 (.25) Offset	
Turning diameter m(feet)	Outside front	Wall to wall (l. to r.)			
		Curb to curb (l. to r.)		11.3 (37.2)	
	Inside rear	Wall to wall (l. to r.)			
		Curb to curb (l. to r.)			
Manual	Gear	Type		Rack and Pinion	
		Make		Cam Gear Ltd.	
		Ratios	Gear Overall	(N.A. for Rack & Pinion Design) 10.66 Deg./mm of rack travel 24.93:1 on Center; 21.69:1 at Stop	
	No. wheel turns (stop to stop)		4.08		
	Power	Type (coaxial, linkage, etc.)		Integral	
Make		TRW Gear (Ford Gear Alternate) - Ford Pump (c)			
Gear		Type	Rack and Pinion (Variable Ratio) (c)		
		Ratios	Gear Overall	8.58 Deg./mm on Center; 7.91 Deg./mm at Stops 20.03:1 on Center; 16.05:1 at Stops	
Pump driven by		Belt off Crankshaft Pulley — Lube M2C-33F (4.2L - Serpentine)			
No. wheel turns (stop to stop)		3.40			
Linkage	Type		Rack and Pinion (Rod & Ball Joint Direct Attachment to Gear)		
	Location (front or rear of wheels, other)		Front of Wheels		
	Drag links (trans. or longit.)		None		
	Tie rods (one or two)		2 (Inner Tie Rods Integral with Rack and Pinion Gear)		
Steering Axis	Inclination at car level (deg.)		15.22		
	Bearings (type)	Upper	Ball Joint		
		Lower	Ball Joint		
		Thrust	Spring Steel in All Joints		
Steering spindle & joint type				Integral with Wheel Spindles; Ball and Socket Joints	
Wheel Spindle	Diameter	Inner bearing	1.3767 I.D.		
		Outer bearing	0.8647 I.D.		
	Thread size		13/16-20 UNEF (2A R.H. Thd.)		
	Bearing type		Tapered Roller		
Wheel Align at curb mass (wt.)	Service checking	Caster (deg.)	+0.25° to +1.75° (a)		
		Camber (deg.)	-0.5° to +1° (a)		
		Toe-In (outside track-mm (in.))	+5 (0.18) + 3 (0.12) (b)		
	Service reset	Caster	Same as	+1° + 0.75° (a)	
		Camber	Service	+0.25° + 0.75° (a)	
		Toe-in	Checking	+8 (0.18) + 3 (0.12) (b) in.) (b)	
	Periodic M.V. inspection	Caster	-1° to +3°		
		Camber	-1.25° to +1.75°		
		Toe-in	mm (in.) -1.5 (0.06) to +17 (0.25)		

(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.

(c) Lubrication - Use ESW-M2C33F Fluid (Texomatic 1865 Fluid 6991) Hydraulic portion and M1C-119A for the Mechanical portion.

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

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (•)

Body Type And/Or Engine Displacement

--

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	None						
Provision for brake dip control	Tilted Upper Control Arm Anti — Dive Front Suspension						
Provision for acc. squat control	Asymmetrical Type Rear Spring Mounting						
Special provisions for car jacking	Side of Car — Outside Rocker Panel Flanges, Front and Rear						
Shock absorber front & rear	<table> <tr> <td>Type</td><td>Direct Double Acting Hydraulic (Struts) Front — Unique Valving Frt. & Rear</td></tr> <tr> <td>Make</td><td>Motorcraft</td></tr> <tr> <td>Piston dia. mm (in.)</td><td>Front: 34.8 (1.37); Rear 25.4 (1.0)</td></tr> </table>	Type	Direct Double Acting Hydraulic (Struts) Front — Unique Valving Frt. & Rear	Make	Motorcraft	Piston dia. mm (in.)	Front: 34.8 (1.37); Rear 25.4 (1.0)
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Make	Motorcraft						
Piston dia. mm (in.)	Front: 34.8 (1.37); Rear 25.4 (1.0)						
Other special features	Scissors Jack & Wrench						

Suspension — Front

Type and description	Hybrid MacPherson Strut with Springs Mounted on Lower Control (d)										
Travel	<table> <tr> <td>Full Jounce mm (in.)</td><td>92.96 (3.66) at Wheel</td></tr> <tr> <td>Full Rebound mm (in.)</td><td>84.84 (3.34) at Wheel</td></tr> </table>	Full Jounce mm (in.)	92.96 (3.66) at Wheel	Full Rebound mm (in.)	84.84 (3.34) at Wheel						
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Spring	<table> <tr> <td>Type (coil, leaf, other)</td><td>Coil</td></tr> <tr> <td>Material</td><td>SAE 5160 Steel</td></tr> <tr> <td>Size (coil design height & I.D., bar length x dia.) mm (in.)</td><td>254 x 89.0 (10.0 x 3.50) [Coil]; 2962 (116.6) [Bar Length]; 15.6 (0.614) [Bar Dia.]</td></tr> <tr> <td>Spring rate — N/mm (lb./in.)</td><td>64.8 (370) Std. & Handling; 69.1 (395) TRX</td></tr> <tr> <td>Rate at wheel — N/mm (lb./in.)</td><td>20.14 (115) Std. & Handling; 21.01 (120) TRX</td></tr> </table>	Type (coil, leaf, other)	Coil	Material	SAE 5160 Steel	Size (coil design height & I.D., bar length x dia.) mm (in.)	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.)	64.8 (370) Std. & Handling; 69.1 (395) TRX	Rate at wheel — N/mm (lb./in.)	20.14 (115) Std. & Handling; 21.01 (120) TRX
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Stabilizer	<table> <tr> <td>Type (link, linkless, frameless)</td><td>Link; Rubber Side Rail Insulator with Plastic Sleeve</td></tr> <tr> <td>Material & bar diameter mm(in.)</td><td>SAE 1090 — 23.9 (.94) — Std., 25.4 (1.00) — H.D., 28.5(1.12)-TRX</td></tr> </table>	Type (link, linkless, frameless)	Link; Rubber Side Rail Insulator with Plastic Sleeve	Material & bar diameter mm(in.)	SAE 1090 — 23.9 (.94) — Std., 25.4 (1.00) — H.D., 28.5(1.12)-TRX						
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Material & bar diameter mm(in.)	SAE 1090 — 23.9 (.94) — Std., 25.4 (1.00) — H.D., 28.5(1.12)-TRX										

Suspension — Rear

Type and description	Four Bar Link Coil Spring																		
Drive and torque taken through	Upper & Lower Control Arm																		
Travel	<table> <tr> <td>Full Jounce mm (in.)</td><td>86.61 (3.41)</td></tr> <tr> <td>Full Rebound mm (in.)</td><td>115.32 (4.54)</td></tr> </table>	Full Jounce mm (in.)	86.61 (3.41)	Full Rebound mm (in.)	115.32 (4.54)														
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Stabilizer	<table> <tr> <td>Type (link, linkless, frameless)</td><td>Linkless</td></tr> <tr> <td>Material & bar diameter mm(in.)</td><td>SAE 1090 Steel; 12.7 (.50)-2.3L Turbo, 3.3L & 4.2L Handling (c)</td></tr> </table>	Type (link, linkless, frameless)	Linkless	Material & bar diameter mm(in.)	SAE 1090 Steel; 12.7 (.50)-2.3L Turbo, 3.3L & 4.2L Handling (c)														
Type (link, linkless, frameless)	Linkless																		
Material & bar diameter mm(in.)	SAE 1090 Steel; 12.7 (.50)-2.3L Turbo, 3.3L & 4.2L Handling (c)																		
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
 (c) 2.3L, 3.3L & 4.2L With TRX; 14.2 (.56) — 2.3L Turbo TRX
 (d) Arm

MVMA Specifications Form
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METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) _____

Body Type

ALL MODELS

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel (Acrylic)
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 — Added Wire Spring Elements — Foam Pad
	Rear	Integral Frame and Foam Pad Assy.
	3rd Seat	None
Seat back type	Front	Stamped Frame — Added Wire Spring Elements in Pad — Foam Pad
	Rear	Frame Hardboard with Foam Pad Assy. (a)
	3rd Seat	None
Method of holding luggage compartment lid open		Torsion Bars (Model 66); Gas Cylinders (Model 61)
Position of spare tire storage		Flat in Storage Well

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
Passenger Car
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Car Line MUSTANG
 Model Year 1980 Issued 9-79 Revised (*) 8

Body Type

ALL MODELS

Convenience Equipment

Power windows	Side Windows	N. A.
	Vent windows	N. A.
	Backlight or tailgate	N. A.
Power seats (specify type as well as availability)		N. A.
Reclining front seat back (R-L or both)		N. A.
Radios (specify type as well as availability)		Opt. - AM; AM/FM Mono; AM/FM MPX; AM/FM/MPX Tape, AM/FM/MPX Cassette, Premium Sound Pkg. w/any MPX Radio
Rear seat speaker		Std. with all Stereo Radio Options (Two Req'd.); Opt. with AM and AM/FM
Power antenna		N. A.
Clock		Digital Electronic (Optional)
Air conditioner (specify type)		Opt.; Integral on Instrument Panel (Multiple Outlets), Manual Control
Speed warning device		N. A.
Speed control device		Optional
Ignition lock lamp		N. A.
Dome lamp		Std.
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, R. P. O. Bucket Seats
4-Way Manual Seat		Opt.
Track		R. P. O. Both High Back & Low Back Seat — Driver's Side Only.
Tinted Glass		Opt.
Graphic Display		Opt.

* Mono Radios (Two Req'd.)

METRIC (U.S. Customary)

Model Year 1980

Issued 9-79

Revised (•)

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

••Shipping Mass (Weight) definition —

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

Car Line **MUSTANG**

Model Year **1980**

Issued **9-79**

Revised (*)

Equipment Differential Mass (Weights)	Optional Equipment Mass (Weight)*			Remarks
	MASS, kg. (Weight, lb.)			
	Front	Rear	Total	
2.3L-2V-Manual Trans.	1.4 (3)	-7.3 (-16)	-5.9 (-13)	Over 2.3L-2V, Auto. Trans.
2.3L-2V (Turbo.)Man. Trans	24.9 (55)	3.2 (7)	28.1 (62)	Over 2.3L-2V, Auto. Trans.
2.3L-2V (Turbo)Auto. Trans.	36.7 (81)	8.6 (19)	45.3 (100)	Over 2.3L-2V, Auto. Trans.
3.3L-1V-Manual Trans.	11.8 (26)	-3.2 (-7)	8.6 (19)	Over 2.3L-2V, Auto. Trans.
3.3L-1V-Auto. Trans.	11.8 (26)	2.7 (6)	14.5 (32)	Over 2.3L-2V, Auto. Trans.
4.2L-2V-Auto. Trans.	82.6 (182)	6.4 (14)	89 (196)	Over 2.3L-2V, Auto. Trans.
Air Conditioning	40.4 (89)	-4.1 (-9)	44.5 (80)	2.3L Engine W/Man;W/Auto. 41.3(91)/ -4.5 (-10)/36.8(81)
	35.8 (79)	-2.3 (-5)	33.5 (74)	2.3L Turbo Engine
	40.4 (89)	-4.1 (-9)	36.3 (80)	3.3L Engine W/Man;W/Auto. 41.3(91)/ -4.5(-10)/36.8(81)
	39.5 (87)	-4.1 (-9)	35.4 (78)	4.2 Engine
Power Steering	9.1 (20)	-.4 (-1)	8.7 (19)	2.3L Engine
	10 (22)	-0.9 (-2)	9.1 (20)	2.3L Turbo Engine
	10.4 (23)	-1.4 (-3)	9 (20)	3.3L Engine W/Man;W/Auto.: 9.5(21)/ -1.4 (-3)/8.1 (18)
	10.4 (23)	-1.4 (-3)	9 (20)	4.2L Engine
Power Brakes	2.3 (5)	0 (0)	2.3 (5)	
Radio-AM	1.8 (4)	.4 (1)	2.2 (5)	
-AM/FM Monaural	2.3 (5)	.4 (1)	2.7 (6)	
-AM/FM Multiplex	3.2 (7)	1.4 (3)	4.6 (10)	
-AM/FM/MPX Tape	4.1 (9)	1.8 (4)	5.9 (13)	
-AM/FM/MPX Cassette Tape	3.2 (7)	1.4 (3)	4.6 (10)	
Premium Sound System	1.4 (3)	1.8 (4)	3.2 (7)	Req. AM/FM Multiplex
Elec. Rear Window Defrost.	0 (0)	.4 (1)	.4 (1)	2.3L Engine

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

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

Car Line MUSTANG

Model Year 1980 Issued 9-79 Revised (•)

[illegible]

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG

Model Year 1980

Issued 9-79

Revised (*)

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
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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	1712	(67.4)
Vehicle width — front doors open	W120	N.A.	
Vehicle width — rear doors open	W121	N.A.	

Length

Wheelbase	L 101	2550	(100.4)
Vehicle length	L 103	4549	(179.1)
Overhang — front	L 104	1003	(39.5)
Overhang — rear	L 105	995	(39.2)
Upper structure length	L 123	2403	(94.6)
Rear wheel C/L "X" coordinate	L 127	2194	(86.4)
Cowl point "X" coordinate	L 125	145	(5.7)

Height*

Passenger Distribution (frt./rear)	PD1,2,3	2/2	
Trunk/Cargo load		N.A.	
Vehicle height	H 101	1306	(51.4)
Cowl point to ground	H 114	937	(36.9)
Deck point to ground	H 138	874	(34.4)
Rocker panel front to ground	H 112	N.A.	
Bottom of door closed - front to grd.	H 133	N.A.	
Rocker panel rear to ground	H 111	N.A.	
Bottom of door closed - rear to grd.	H 135	N.A.	

Windshield Slope Angle H122 58.0°

Ground Clearance

Front bumper to ground	H102	N.A.	
Rear bumper to ground	H104	N.A.	
Bumper to ground — front at curb mass (wt.)	H103	N.A.	
Bumper to ground — rear at curb mass (wt.)	H109	N.A.	
Angle of approach	H106	18.4°	18.5°
Angle of departure	H107	18.7°	
Ramp breakover angle	H147	N.A.	
Rear axle differential to ground	H153	157.0	(6.18)
Min. running ground clearance	H156	Front: 146 (5.78); Rear: 144.0 (5.67)	
Location of min. run. grd. clear.		Front: Steering Gear Mtg. C' Member; Rear: Shock Brkt.	

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.

MVMA Specifications Form**Passenger Car****METRIC (U.S. Customary)****Car and Body Dimensions** See Key Sheets for definitionsCar Line MUSTANGModel Year 1980Issued 9-79

Revised (*)

Body Type

SAE Ref. No.	2-Door Models 66B and 66H	3-Door Models 61R and 61H
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Front Compartment

Sg RP front, "X" coordinate	L31	1018	(40.1)
Effective head room	H61	944	(37.2)
Effective T Point head room	H75		
Max. eff. leg room — accelerator	L34	1040	(40.9)
Sg RP — front to heel	H30	224	(8.8)
Design H-point front travel	L17	140	(5.5)
Shoulder room	W3	1412	(55.6)
Hip room	W5	1371	(54.0)
Upper body opening to ground	H50	1187	(46.7)
Steering Wheel Angle	H18	23.1°	
Back Angle	L40	25.0°	

Rear Compartment

Sg RP Point couple distance	L50	716	(28.2)
Effective head room	H63	912	(35.9)
Effective T Point head room	H76		
Min. effective leg room	L51	764	(30.1)
Sg RP — second to heel	H31	256	(10.1)
Knee clearance	L48	-28	(-1.1)
Compartment room	L3	N.A.	
Shoulder room	W4	1387	(54.6)
Hip room	W6	1197	(47.1)
Upper body opening to ground	H51	N.A.	

Luggage Compartment

Usable luggage capacity — L(cu. ft.)	V1	283.2	(10.0)
Liftover height	H195	746	(29.4)

All linear dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG

Model Year 1980

Issued 9-79

Revised (•) 2

Body Type

SAE Ref. No.	3-Door Models (61R and 61H)
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Station Wagon — Third Seat

Shoulder room	W85	
Hip room	W86	N
Effective leg room	L86	O
Effective head room	H86	T
Effective T Point head room	H89	
Seat facing direction	SD1	

Station Wagon — Cargo Space

Cargo length — open — front	L200	
Cargo length — open — second	L201	A
Cargo length — closed — front	L202	P
Cargo length — closed — second	L203	P
Cargo length at belt — front	L204	L
Cargo length at belt — second	L205	I
Cargo width — wheelhouse	W201	C
Rear opening width at floor	W203	A
Opening width at belt	W204	R
Max. rear opening width above belt	W205	L
Cargo height	H201	E
Rear opening height	H202	
Tail gate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index — m ³ (ft. ³)	V2	
Hidden cargo volume — m ³ (ft. ³)	V4	

Hatchback — Cargo Space

Front seat back to load floor height	H197	521	(20.5)
Cargo length at front seat Back Height	L208	928	(36.6)
Cargo length at floor — front	L209	1684	(66.3)
Cargo volume index — m ³ (ft. ³)	V3	942.4	(33.3)
Hidden cargo volume — m ³ (ft. ³)	V4	-	

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

All dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG

Model Year 1980 Issued 9-79 Revised (•) _____

Body Type

ALL MODELS

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
1 & 2	The Rear vertical edge of the master control notch on the upper side of the front door racker panels locates the "x" coordinate relative to body grid.
Front:	X = 444.50 (17.50)
	Y = N.A.
	Z = N.A.
3 & 4	The intersection of the lower and inboard surfaces (outside of metal) of the rocker panel door rabbet locates the "y" and "z" coordinates relative to body grid at particular fore-aft inch lines. The fore-aft location can be determined by using the reference dimension from Fiducial Mark 1 & 2.
Rear	
Fiducial Mark Number	
3 & 4	W21 737.11 (29.02)
	L54 444.50 (17.50)
Front	H81 -27.94 (-1.10)
	H161
	H163
Rear	W22 737.11 (29.02)
	L55 1295.40 (51.00)
	H82 -35.81 (-1.41)
	H162
	H164

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

All linear dimensions are in millimeters (inches).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line **MUSTANG**

Model Year **1980**

Issued **9-79**

Revised (*)

Body Type

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

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 ² (in. ²)	S1	8114.0 (1257.6)	
Side glass exposed surface area—cm ² (in. ²)	S2	8312.7 (1288.4)	8101.1 (1255.6)
Backlight glass exposed surface area—cm ² (in. ²)	S3	8582.4 (1330.2)	8568.9 (1328.1)
Total glass exposed surface area—cm ² (in. ²)	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)
	Tail (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)
	Tail	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