

# Specifications Form Passenger Car

1982

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

Manufacturer	Car Line	
FORD MOTOR COMPANY	MUSTANG	
Mailing Address	Model Year	Įssueų.
P. O. BOX 2053 DEARBORN, MICHIGAN 48121	1982	SEPT., 1981 Revised (*)

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

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#### NOTE

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

Car Line MUSTANG				
Model Year 1982	.lssued	9-81	Revised (*)	-

### **Car Models**

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Łoad – Kilograms (Pounds)		
2-Door	66в	2-2	45.4 (100)		
2-Door Ghia	66н	2-2	45.4 (100)		
3-Door	61R	2-2	45.4 (100)		
3-Door Ghia	61Н	2-2	45.4 (100)		

### 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.

		ENGINE								
SERIES			SAE Ne	SAE Net at RPM		TOANIONIONIONI	AXLE	RATIO		
AVAILABILITY	Displ. Liters (in <sup>3</sup> )	Carb. (Barrels)	Compr. Ratio	kW (bhp)	Torque N - m (lb. ft.)	Exhaust System*	TRANSMISSION		(std. first) (indicate A/C ratio) ⊁	
			50 STA	TES				STD.	OPT.	
ALL	2.3 (140)	2V	9.0	64 (86)	A/C 159 (117) 2600	S	Manual 4-Speed (M4WR)	2.73 or 3.08 (a)		
							Manual 5-Speed (M50D)	3.45 (a)		
			9.0	69 (92)	<u>/C</u> 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)	209# (154) 1400	ន	Auto. 3-Speed (C512)	2.73 (a)		
				3000	1400		(C-3) Altitude			
ALL	4.2 (255)	2 <b>V/VV</b>	8.2	83 (111) 3400	263 (194) 1600	S	Auto. 3-Speed (C512) (NA - Calif.)	2.73 (a)		
	5.0 (302) H.O.	27.	8.3	117 (157) 4200	325 (240) 2400	s	Manual 4-Speed (SROD)	3.08 (a)		
			:			!				
#Calif. 205 *A/C same as (a) Availabl	standa	rd	ng axl	Le						

<sup>\*</sup>S-Single D-Dual

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

Car Line	MUSTANG			
Model Year.	1982	_lssued	9~81	_Revised (*)

Engine	Description/Carb.
Engine	Code

2.3L (140 CID)

#### **ENGINE - GENERAL**

ENGINE - GEN	IEHAL	
Type (inline, V and	angle flat)	Inline, OHC
Location (front,mid	l,rear)	Front
Engine installation (transverse, longitu		Longitudinal
Number of	Front	Two
mtg. points	Rear	One
No. of cylinders		Four
Bore		96.04 (3.781)
Stroke		79,40 (3,126)
Piston displaceme	nt cm <sup>3</sup> (in <sup>3</sup> )	2301 (140)
Bore spacing (c/l t	to c/1)	105.99 (4.173)
Cylinder block mat	terial	Cast Iron
Cylinder block deck height		212.55 (8.368)
Deck clearance (m (above or below blo		0.178 (0.007) (Above)
Cylinder head mate	erial	Cast Iron
Cylinder head volu	me - cm3	61.3
Head gasket thicks (compressed)	ness	1.09 (0.043)
Head gasket volum	1e — cm <sup>3</sup>	8.9
Minimum combusti chamber volume —		76.9
Cyl. no. system	L. Bank	
(front to rear)**	R. Bank	
Firing order	*****	1-3-4-2
Recommended fue (leaded, unleaded)		Unleaded
Fuel antiknock ind	ex	
(R + M)		
2		N.A.
Total dressed engi	ne mass (wt) dry*	155 (341) Man. (b);140(308)Auto.

<sup>\*</sup>Dressed engine mass (weight) includes to following:

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

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

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

<sup>\*\*</sup>Rear of engine -- drive takeoff.

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

Engine Description/Carb.

**Engine Code** 

3.3L (200 CID)

ENGINE - GENE	RAL				
Type (inline, V and a	ingle flat)	Inline, OHV			
Location (front,mid,r	ear)	Front			
Engine installation p (transverse, longitud		Longitudinal			
Number of	Front	Two			
mtg. points	Rear	One (Transmission)			
No. of cylinders		Six			
Bore		93,52 (3,682)			
Stroke		79.40 (3.126)			
Piston displacemen	t cm3 (in3)	3300 (200)			
Bore spacing (c/l to	c/l)	104.1 (4.1)			
Cylinder block mate	rial	Cast Iron			
Cylinder block deck height		198.32 (7.808)			
Deck clearance (mil (above or below blo		0.038 (0.0015) Below			
Cylinder head mate	rial	Cast Iron			
Cylinder head volum	ne — cm <sup>3</sup>	57.25-60.25			
Head gasket thicknown (compressed)	ess	0.686 (0.027)			
Head gasket volume	∍ – cm <sup>3</sup>	4.97			
Minimum combustic chamber volume —		69.1			
Cyl. no. system	L. Bank				
(front to rear)**	R. Bank				
Firing order		1-5-3-6-2-4			
Recommended fuel (leaded, unleaded)		Unleaded			
Fuel antiknock inde	x				
(R + M)					
2		87.0 Min.			
Total dressed engin	e mass (wt) dry*	180 (397) Man., 158 (348) Auto.			

<sup>\*</sup>Dressed engine mass (weight) includes to following:

Engine assembly except alternator and starter.

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

<sup>&</sup>quot;Rear of engine - drive takeoff.

Car LineN	TUSTANG*				
Model Year	1982	lssued	9-81	Revised (*)	

Engine Descriptio Engine Code	en/Carb.	4.2L (255 - 2V/VV)				
ENGINE - GEI	NERAL					
Type (inline, V and	d angle flat)	90°, OHV				
Location (front,mir	d,rear)	Front				
Engine installation position (transverse, tongitudinal)		Iongitudinal				
Number of	Front	Two				
mtg. points	Rear	One				
No. of cylinders		Eight				
Bore		93.52 (3.68)				
Stroke		76.2 (3.00)				
Piston displaceme	ent cm <sup>3</sup> (in <sup>3</sup> )	42.00 (255)				
Bore spacing (c/l	to c/l)	111.25 (4.38)				
Cylinder block ma	iterial	Cast Iron				
Cylinder block deck height		208.43 (8.206)				
Deck clearance (n (above or below bi		0.013 (0.0005)				
Cylinder head mat	terial	Cast Iron				
Cylinder head volu	ume — cm <sup>3</sup>	59 - 62				

Total dressed engine mass (wt) dry\*

Head gasket thickness (compressed)

 $\begin{array}{ll} \text{Minimum combustion} \\ \text{chamber volume} = \text{cm}^3 \end{array}$ 

Cyl. no. system (front to rear)\*\*

Recommended fuel (leaded, unleaded)

Fuel antiknock index

Firing order

(R + M)

2

Head gasket volume - cm3

L. Bank

R. Bank

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

.1938

1-2-3-4

Unleaded

87.0 Min.

196

1-5-4-2-6-3-7-8

(431)

10.10

(0.047)

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

<sup>\*\*</sup>Rear of engine - drive takeoff.

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Car Line	MUSTANG	<u>.</u>		<u></u>		
Model Year_	1982	Issued_	9-81	Revised (•)	-	

Engine	Description/Carb.
Engine	Code

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

### ENGINE - GENERAL

ENGINE - GENE	INAL	
Type (inline, V and angle flat)		90°, OHV
Location (front,mid,rear)		Front
Engine installation p (transverse, longitud		Longitudinal
Number of	Front	Two
mtg. points	Rear	One
No. of cylinders	-	Eight
Bore	<u> </u>	101.6 (4.00)
Stroke		76.2 (3.00)
Piston displacement	cm3 (in3)	4950 (3.02)
Bore spacing (c/l to	c/i)	111,25 (4.38)
Cylinder block mate	rial	Cast Iron
Cylinder block deck	height	208.43 (8.206)
Deck clearance (min (above or below block		0.013 (0.0005)
Cylinder head mater	ial	Cast Iron
Cylinder head volum	ne — cm <sup>3</sup>	67.5 - 70.5
Head gasket thickne (compressed)	285	(0.047)
Head gasket volume	– cm <sup>3</sup>	10.07
Minimum combustio chamber volume —		78.9
Cyl. no. system (front to rear)**		5-6-7-8 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)

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

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

<sup>\*\*</sup>Rear of engine - drive takeoff.

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

Engine Description/Carb. Engine Code			2.3L (140 CID)
Engine —	Pistons		·
Material			Aluminum Alloy (with or without steel struts)
Description as			Full Skirt Cam Ground
Mass. g (weig	ht, oz.) — Pist	on Only	497-503 (17.5-17.7) (a)
	Top land		.749-1.044 (.02950411)
Clearance (limits)	Skirt	Гор	.036071 (.00140028)
		Bottom	0.0-0.071 (0.0-0.0028)
Ding areas	No. 1 ring	1	85.14-85.39 (3.35-3.36)
Ring groove diameter	No. 2 ring		85.14-85.39 (3.35-3.36)
	No. 3 ring	ļ	84.84-85.09 (3.34-3.35)
Engine —	Piston Ring		Compression
(top to	No. 2, oil or comp.		Compression
bottom)	No. 3, oil or comp.		Oil Control
Description — #1 material, coating, #2 etc.		ooting # 1	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 material, c etc. Mu	" <b>•</b>	Two Rails and One Spacer - Expander. Rails: (SAE 1070 or SAE 1074 Chrome-Plated Spacer - Expander: (SAE 30201 or SAE 30301)

Engine - Piston Pins

Width

Gap (Rails Only)

Expanders

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)
T	Locked in piston, flo	n rod, in Dating, etc.	Press Fit in Rod
Туре		In rod or piston	
	Bushing	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 & ar	mount offset	in piston	Right 1.52 (0.060)

4.0-0.8 (0.16-0.03)

Part of Oil Ring Assembly

4.50-4.62 (0.177-0.182) (b); 0.584-0.635 (0.023-0.025) (c)

<sup>(</sup>a) 522-528 (18.41-18.62) with Steel Struts

<sup>(</sup>b) Expander (c) Each Rail

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

	Г	
Engine Description/Carb. Engine Code		3.3L
		(200 CID)
Engine f	Pistons	
Material		Aluminum Alloy
<del></del>		
Description an (flat, dished, de		Cast, Autothermic, Slipper Skirt, Cam Machined and Tin Plated
Mass, g (weigt	nt, oz.) — Piston Only	442.5 (17.42)
	Top land	0.762-1.087 (0.030-0.043)
Clearance (limits)	Skirt Top	0.033-0.053 (0.0013-0.0021)
	Bottom	0.0-0.071 (0.0-0.0028)
Ring groove	No. 1 ring	83.03-82.78 (3.27-3.26)
diameter	No. 2 ring	83.03-82.78 (3.27-3.26)
	No. 3 ring	83.03-82.78 (3.27-3.26)
Engine - F	Piston Rings	
Function	No. 1, oil or comp.	Compression
(top to	No. 2, oil or comp.	Compression
bottom)	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.	Two Rails and Spacer-Expander Rails: Chrome Plated-Spring Steel Spacer-Expander: Steel AISI-C-1075
	Multipiece	
	Width	3.76-3.96 (.146156)
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
_	Locked in rod, in piston, floating, etc.	Press Fit in Rod
Туре	In rod or piston	None
	Bushing 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

Car Line	MUSTANG		· -	
Model Year	1982	_lssued9-81	Revised (*)	

Engine Description/Carb. Engine Code			4.2L (255 - 2V/VV)
Engine -	Dinton		
	Pistons	<del></del>	
Material			Aluminum Alloy
Description a (flat, dished,			Cast, Slipper Skirt, Cam Machined, and Tin Plated
Mass, g (wei	ght, oz.) — Pis	iton Only	473 - 467
01	Top land	1	0.8636 - 1.1557 (.03400425)
Clearance (limits)	Skirt	Тор	0.00140024
	No. 4 -i-	Bottom	02.008 00.852 (2.0/0 2.050)
Ring groove	No. 1 rin		83.007 - 82.753 (3.268 - 3.258)
diameter	No. 2 rin		83.007 - 82.753 (3.268 - 3.258)
<del></del>	No. 3 rin	ıg	82.499 - 82.245 (3.248 - 3.238)
Engine –	Piston Rin	198	
Function		or comp.	Compression
(top to	No. 2. oil	or comp.	Compression
bottom)	No. 3, oil		0il Control
Compression	Descripti material, etc.	on —	#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 (.010020)
Oil	Descripti material, etc.	on	Two Rails and Spacer-Expander Rails: Chrome Plated - Spring Steel Spacer-Expander: Steel AISI-C-1075
	Width	· · -	3.76 - 3.96 (.146156)
	Gap		.381 - 1.397 (0.015 - 0.055) Rails Only
Expanders			Part of Oil Ring Assembly
			Tare of our land indomory
Engine -	Piston Pin	18	
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
Туре	Locked in piston, flo	pating, etc.	Préss Fit in Rod
••	Bushing	in rod or piston	<del></del>
	<u> </u>	Material	<u> </u>
Clearance	In piston		0.0051 - 0.0102 (0.0002 - 0.0004)
	In rod		Press Fit
		in piston	1.588 (0.0625) Right

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

Engine Description/Carb.	5.0L H.O.
Engine Code	(302-2V)

Engine	_	<b>Pistons</b>
LHUIF		riotonia

Material			Aluminum Alloy		
Description an (flat, dished, de			Cast, Slipper Skirt, Cam Machined and Tin Plated		
Mass, g (weigh	it, oz.) — P	iston Only	583 (20.56)		
	Top land		.03440420		
Clearance (limits)	Skirt	Тор	0.0018 - 0.0026		
(mints)		Bottom			
No. 1 ring		ing	90.119 - 90.373 (3.548 - 3.558)		
Ring groove diameter	No. 2 ring		90.119 - 90.373 (3.548 - 3.558)		
	No. 3 r	ing	91.237 - 91.491 (3.592 - 3.602)		

Engine - Piston Rings

Function	No. 1, oil or comp.	Compression
(top to	No. 2, oil or comp.	Compression
bottom)	No. 3, oil or comp.	Oil Control
Compression	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)
Locked in rod, in piston, floating, etc.		Press Fit in Rod
Bushing	In rod or piston	None
	Material	
In piston		0.0051 - 0.0102 (0.0002 - 0.0004)
In rod		Press Fit
nount offset	in piston	1.588 (0.0625) Right
	Bushing In piston In rod	piston, floating, etc.  Bushing In rod or piston Material In piston

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Engine	Description/Carb.
Engine	Code

2.3L (140 CID)

### Engine - Connecting Rods

		Forged Steel, I-Beam	
Material		SAE-1041-H or SAE-1541-H	
Mass, g (w	eight, oz.)	626-642 (22.08-22.64)	
Length (ce	nter to center)	132.24-132.16 (5.203-5.206)	
		Plated Copper-Lead Alloy on	
	Material & type (a)	Steel Back - Replaceable Insert	
Bearing	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 be	aring (no.)	No. 3
Crankshaf	t end play		0.10-0.20 (0.004-0.008)
	Material &	type (a)	Plated Copper-Lead on Steel Back
	Clearance	•	.020066 (.00080026)
		No. 1	60.93 x 24.00 (2.399 x .945)
	1	No. 2	60.93 x 24.00 (2.399 x .945)
	Journal dia, and	No. 3	60.93 x 30.33 (2.399 x 1.194)
Main bearing	bearing	No. 4	$60.93 \times 24.00 (2.399 \times .945)$
	overali length	No. 5	$60.93 \times 24.00 (2.399 \times .945)$
		No. 6	
		No. 7	
	Dir. & amt. cyl. offset		None
	No. bolts/main brg. cap		2
Crankpin	Crankpin journal diameter		52.00 - 51.98 (2.0472 - 2.0465)

### Engine - Camshaft

Location	tion		Cylinder Head
Material			Hardenable Cast Iron, Phosphate Coated
	Material (a)		Aluminum Alloy on Steel Back
Bearings	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	No. of links	Neoprene (b) 129 teeth
	chain		
	Chain	Width	21.8 - 22.8 (0.86 - 0.90)
•	or	Pitch	9.525 (0.375)

- (a) Replaceable Inserts
- (b) Glass Reinforced, Nylon Fabric Faced

Car Line	MUSTANG			<u>.                                    </u>	
Model Year_	1982	lssued	9-81	Revised (•)	_

Engine Description/Carb. Engine Code		arb.	3.3L (200 CID)
Engine	- Connec	cting Rods	,
Material			Forged Steel (SAE 1541-H or
Mass, g (w	reight oz)		SAE 1151-M) 569-557 (19.64-20.07)
	nter to cente	ari	129.24-129.32 (5.0885-5.0915)
	1		
_	Material 8		Plated Aluminum Tin or Plated Copper - Lead Alloy on Steel Back Replaceable Insert
Bearing	Overall le		18.44-17.93 (0.726-0.706)
	Clearance	e (limits)	0.020-0.066 (.00080026)
	End play		0.254-0.508 (0.010-0.020)
Engine -	- Cranksi	haft	
Material			Nodular Cast Iron Alloy, Green Sand Process
1215 M			Tuned, Elastic Suspended,
vibration d	lamper type		Inertia Member
End thrust	taken by be	aring (no.)	Three
Crankshaft end play			0.10-0.20 (0.004-0.008)
	Material &	type (a)	Lead Base Babbitt on Steel Back
	Clearance	•	0.018-0.061 (0.0007-0.0024)
		No. 1	57.11 x 25.78 (2.249 x 1.015)
		No. 2	57.11 x 25.78 (2.249 x 1.015)
	Journal dia, and	No. 3	57.11 x 25.78 (2.249 x 1.015)
Main bearing	bearing	No. 4	57.11 x 25.78 (2.249 x 1.015)
	overall length	No. 5	57.11 x 32.26 (2.249 x 1.270)
	1,4,1,9,1,1	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. boits/	main brg. cap	Two
Crankpin je	ournal diame	ter	53.939-53.919 (2.1236-2.1228)
Engine :	- Camsha	aft	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Location			In Block
			Special Alloy Iron, Green Sand Molded,
Material			Induction Hardened Phosphate Coated
<del></del>	Material	<del></del>	Lead Base Babbitt on Steel Back (a)
Bearings	Number	<del></del>	Five
	Gear, cha	in or belt	Chain
	Cranksha sprocket		Sintered Iron
Type of	Camshaft		Aluminum Die Cast Body,
drive	sprocket	material	Molded Nylon Teeth
	Timing	No. of links	58
	chain		
	Chain	Width	19.35 (0.762)
	belt	Pitch	9.525 (0.375)

(a) Replaceable Inserts

Car Line MUSTANG

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

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	4.2L (255 ~ 2V/VV)	

Engine - Connecting Rods

Mass, g (weight, oz.)		Forged Steel (SAE 1541-H or SAE 1151-M)	
		569 - 557 (19.64 - 20.07)	
Length (ce	enter to center)	129.24 - 129.32 (5.0885 - 5.0915)	
	Material & type	Plated Aluminum Tin or Plated Copper-Lead Alloy on Steel Back Replaceable Insert	
Bearing	Overall length	18.44 - 17.93 (0.726 - 0.706)	
	Clearance (limits)	0.020 - 0.066 (.00080026)	
	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	End thrust taken by bearing (no.)		Three
Crankshaf	it end play		0.10 - 0.20 (0.004 - 0.008)
	Material 8	type	Plated Copper - Lead Alloy on Steel Back
	Clearance	3	(b)
		No. 1	57.114 x 22.352 (2.249 x 0.880)
	1	No. 2	57.114 x 22.352 (2.249 x 0.880)
14.1-	Journal dia, and	No. 3	57.114 x 28.753 (2.249 x 1.132)
Main bearing	bearing	No. 4	$57.114 \times 22.352  (2.249 \times 0.880)$
•	overall	No. 5	$57.114 \times 22.352  (2.249 \times 0.880)$
		No. 6	-
		No. 7	_
	Dir. & amt	. cyl. offset	R. B. Leads 17.92 (0.84)
	No. bolts/main brg. cap		Two
Crankpin j	Crankpin journal diameter		53.929 (2.1232)

### Engine - Camshaft

Location	on		In Block
Material			Special Alloy Iron, Green Sand Molded, Induction Hardened Phosphate Coated
Danalana.	Material	·	Lead Base Babbitt on Steel Back (a)
Bearings	Number		Five
	Gear, chain or belt		Chain
Type of drive	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	Width	16.05 - 16.18 (0.632 - 0.637)
	or belt	Pitch	9.525 (0.375)

<sup>(</sup>a) Replaceable Inserts

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

Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (•)

	_	
<b>METRIC</b>	(U.S.	Customary)

Engine Description/Carb. Engine Code 5.0L H.O. (302-2V)

Engine -	Connectin	g Rods
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Material		Forged Steel SAE 1541H or 1151M
Mass, g (weight, oz.)		557 (19.64)
Length (center to center)		129.3 (5.090)
	Material & type	Aluminum Tin (Unplated)
Bearing	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 d	Vibration damper type		Tuned, Elastic Suspended, Inertia Member
End thrust	End thrust taken by bearing (no.)		Three
Crankshaf	t end play		0.102 - 0.203 (0.004 - 0.008)
	Material &	type	Plated Copper - Lead Alloy on Steel Backs
	Clearance	)	(0.00050024)
		No. 1	2.2486 x 0.880
		No. 2	2.2486 x 0.880
	Journal dia, and	No. 3	2.2486 x 1.132
Main bearing	bearing	No. 4	2.2486 x 0.880
Dearing	overall length	No. 5	2.2486 x 0.880
	l'icingui	No. 6	-
	1	No. 7	_
	Dir. & amt. cyl. offset		R.B. Leads 17.92 (0.84)
	No. bolts/main brg. cap		2
Crankpin j	ournal diame	eter	53.929 (2.1232)

### Engine - Camshaft

Location	ition		In Block
Material			Special Alloy Cast Iron Induction Hardened Phosphate
	Material		Lead Base Babbit on Steel Back (a)
Bearings	Number		Five
Type of drive	Gear, cha	in or belt	Chain (Double Roller)
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Cast Iron
U.710	Timing	No. of links	58
	chain		
	Chain	Width	21.97 - 22.23 (.865875)
	or	Pitch	9.525 (0.375)

a) Replaceable Inserts

Car Line MUSTANG		<u> </u>	
Model Year 1982 Issued	9-81	Revised (*)	

Engine Description/Carb. Engine Code		rb.	2.3L (140 CID)
			(140 010)
Engine -	Valve S	ystem	
Hydraulic lifte	ers (std., o	pt., n.a.)	Standard
Valve rotator.			Ford Free Turn
Push rods (di		materiall	Intake and Exhaust
Rocker ratio	a. icigiii,	Ind(c)(z)	1.4:1 to 1.6:1
Operating			1.4.1 60 1.0.1
tappet clearance	intake	<u> </u>	Zero
(indicate hot or cold)	Exhaust		Zero
		Opens (*BTC)	22
Timing	Intake	Closes (*BTC)	66
(based on		Duration (deg.)	268
top of	_	Opens (*BTC)	64
ramp points)	Exhaust	Closes (*BTC)	24
		Duration (deg.)	268
	Valve ope	en overlap (deg.)	46
	Material		SAE-1547 Steel Alum. Head
	Overall le	ngth	121.6 (4.787)
	Actual ov	erall head dia.	44.07 (1.735)
	Angle of seat & face (deg.)		Seat 440 30' to 45000; Face 450 30' to 450 45'
	Seat insert material		None
	Stem diameter		8.69 - 8.68 (.34233416)
•	Stem to guide clearance		.025069 (.0010027)
intake valve	Lift (at zero lash)		10.16 (0.400)
VAIVE	Outer spring	Valve closed— N at mm (lb. at in.)	316 - 351 @ 39.6 (71-79 @ 1.56)
	press. & length	Valve open— N at mm (lb. at in.)	707 - 778 @ 29.5 (159-175 @ 1.16)
	inner spring	Valve closed— N at mm (lb. at in.)	None
	press. & length	Valve open — N at mm (lb. at in.)	None
	Material		Head: Austenitic Steel 21-2N or 21-4N Stem: SAE-8645 Steel
	Overall le	ngth	122.10 (4.807)
	Actual over	erall head dia.	38.10 (1.500)
•	Angle of s	seat & face (deg.)	Seat 440 30' to 450: Face 450 30' to 450 45'
	Seat inser	rt material	None
	Stem dian	neter	8.682 - 8.664 (0.3418 - 0.3411)
	Stem to g	uide clearance	0.038 - 0.081 (0.0015 - 0.0032)
Exhaust	Lift (at ze	ro lash)	10.16 (0.400)
valve	Outer	Valve closed— N at mm	
,	spring	(Ib. at in.)	316 - 351 @ 39.6 (71-79 @ 1.56)
	press. & length	Valve open— N at mm (lb. at in.)	707 - 778 @ 29.5 (159-175 @ 1.16)
	Inner spring	Valve closed— N at mm (lb. at in.)	None
	press. & length	Valve open — N at mm (lb. at in.)	None

Car Line	MUSTANG				<b>.</b>
Model Year_	1982	Issued	9-81	Revised (*)	

METRIC	(U.S. C	ustomary)	
Engine Description/Carb. Engine Code		arb.	3.3L (200 CID)
Engine —	Valva S	vetom	
Hydraulic lift		pt., n.a.)	Standard
Valve rotator (intake, exha		. 1	Ford Free Turn Intake and Exhaust
Push rods (d	ia., length,	material)	THURSE SHE INHOUSE
Rocker ratio		<del></del>	1.52:1 (Int.), 1.51:1 (Exh.)
Operating	]		1.)2.1 (III.), 1.)1.1 (EXII.)
tappet clearance	Intake	<del></del>	Zero
(indicate hot or cold)	Exhaust		Zero
		Opens (*BTC)	20
<b>T</b> ::-	Intake	Closes (*BTC)	52
Timing (based on	]	Duration (deg.)	254
top of		Opens (*BTC)	59
ramp points)	Exhaust	Closes (*BTC)	15
		Duration (deg.)	254
	Valve op	en overlap (deg.)	35
	Material		SAE-1547 Steel, Alum. Head or SAE 1047 Steel, Alum. Head
	Overall length		108.2 (4.26)
	Actual ov	erall head dia.	44.70-44.25 (1.76-1.74)
	Angle of seat & face (deg.)		Seat 440 30' to 450, Face 450 30' to 450 35'
	Seat insert material		
	Stem dia:	meter	7.78-7.87 (.311310)
	Stem to g	uide clearance	.020063 (.00080025)
intake valve	Lift (at ze		9.32 (0.367)
10.10	Outer spring	Valve closed— N at mm (lb. at in.)	254 <b>@</b> 40.13 (57 <b>@</b> 1.58)
	press. & length	Valve open — N at mm (lb. at in.)	694 @ 30.48 (156 @ 1.20)
		Valve closed-	(1)0 6 1,20)
	Inner	Natmm (lb. at in.)	
	press. & length	Valve open — N at mm (lb. at in.)	
	Material		Cast Austenitic Steel, Alum, Head or Forged 21-4N Alum, Head
	Overall le	ngth	108.2 (4.26)
	Actual ov	erall 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 inse	t material	
	Stem dian	neter	7.89 - 7.87 (0.311 - 0.310)
		uide clearance	0.025 - 0.069 (0.001 - 0.0027)
Exhaust valve	Lift (at ze		9.32 (0.367)
,	Outer	Valve closed —   N at mm	254 @ 40.13
	spring	(lb. at in.)	(57 <u>@ 1,58)</u>
	press. & length	Valve open — N at mm	658 @ 31.24 ·
•	<u> </u>	(lb. at in.)	(148 <b>@</b> 1.23)
	Inner	Valve closed— N at mm	•
	spring press. &	(lb. at in.) Valve open –	
	length	Natimm (Ib at in)	

Car Line MUSTANG 9-81 Model Year 1982 \_lssued\_ \_Revised (•)\_

Engine - Valve System	Engine Description/Carb. Engine Code		rb.	4.2L (255 - 2V/VV)
Valve costator lyse   Valve costator	Engine –	Valve S	ystem	
Posttire on Exhaust	Hydraulic lifte	ers (std., or	ot., n.a.)	Standard
Push rock (das. length material)  Operating Clearance (indicate hot or cold)  Timing Closed on cold or				Positive on Exhaust
1.58;1   2ero	Push rods (di	a., length.	material)	
Coeraing   Intake   Coeraing				
Constitution   Cons	•	Intake	-	
Timing (based on loo of loo loo	clearance (indicate hot	Exhaust		
Intake   Closes ("BTC)   1/48   Duration (degs)   21/44   Duration (degs)   21/44   Duration (degs)   21/44   Duration (degs)   21/44   Duration (degs)   25/7   Duration (degs)   25/6   Duration		····	Opens (*BTC)	<del></del>
Duration (deg.)   Duration (deg.)   Duration (deg.)   Duration (deg.)   Duration (deg.)   Duration (deg.)   256		Intake		
Constraint   Con			<del></del>	
Exhaust   Closes ("BTO   19   19   19   19   19   19   19   1	-		<del></del>	· · · · · · · · · · · · · · · · · · ·
Duration (deg.)   256	•	Exhaust	Closes (*BTC)	
Valve open overlap (deg)   35   Material   SAE-1547 Steel, Alum. Head   Overall length   128.78   (5.07)*	points,		Duration (deg.)	
Material   SAE-1547 Steel, Alum. Head   Overall length   128.78 (5.07)*		Valve ope	en overlap (deg.)	
Natural length   128.78 (5.07)		<del> </del>		
Actual overall head dia   42.67   (1.68)   Seat   44°30" to 45°0, Face   45°30" to 45°45"     Seat insert material		Overall le	ngth	
Angle of seat & face (deg) Seat 1440301 to 450, Face 450301 to 450451 Seat insert material		Actual overall head dia.		<del>                                     </del>
Seat insert material   Stem diameter   Stem diameter   Stem diameter   Stem to guide clearance   0.025 - 0.069   (0.0010 - 0.0027)		Angle of seat & face (deg.)		
Intake valve		Seat inse	rt material	-
Lift (at zero lash)		Stem diameter		8.676 - 8.694 (.34163423)
Valve closed		Stem to guide clearance		0.025 - 0.069 (0.0010 - 0.0027)
Outer spring press & length (lb. at in) 854 @ 35.6 (192 @ 1.4)    Valve open		Lift (at ze	ro lash)	9.55 (0.376)
length   (lb at in)   854 @ 35.6 (192 @ 1.4)	valve	spring	N at mm	347 @ 45.2 (78 @ 1.78)
Inner		length	N at mm (lb. at in.)	854 @ 35.6 (192 @ 1.4)
Indication   Nation		1	N at mm	
Overall length		1.	N at mm	
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)  Exhaust valve  Exhaust valve  Outer Spring (lb. at in.)				
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)  Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve closed - N at mm (lb. at in.) Valve open		<del></del>		
Seat insert material   Induction Hardened				36.83 (1.45)
Stem diameter   8.682 - 8.664   (0.3418 - 0.3411)				
Stem to guide clearance   .038 - 0.081   (0.0015 - 0.0032)			<del></del>	
Exhaust valve    Couter spring press & length   Valve closed - N at mm (lb. at in.)   N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm (lb. at in.)   Valve open - N at mm   N				
Valve closed— Nat mm (lb. at in)  Valve open— Nat mm (lb. at in)  Valve open— Nat mm (lb. at in)  Valve open— Nat mm (lb. at in)  Valve closed— Nat mm (lb. at in)  Valve closed— Nat mm (lb. at in)  Valve closed— Nat mm (lb. at in)  Valve open— Nat mm Nat mm  Valve open— Nat mm Nat mm  Valve open— Nat mm Nat mm				
Outer spring press & length   Nat mm (lb. at in.)   343 @ 40.9 (77 @ 1.6)   Valve open   Nat mm (lb. at in.)   850 @ 31.2 (191 @ 1.23)   Inner spring press. & length   Valve open   Nat mm (lb. at in.)   Valve open   Nat mm   Nat mm   Nat mm   Valve open   Nat mm		Litt (at ze		9.55 (0.376)
Inner   Valve closed -   N at mm   (lb. at in.)   850 @ 31.2 (191 @ 1.23)	Valve	spring	N at mm (lb. at in.)	343 @ 40.9 (77 @ 1.6)
Inner Natmm spring (lb. at in.) press. & Valve open length Nat.mm			N at mm (lb. at in.)	850 @ 31.2 (191 @ 1.23)
length Nat.mm		spring	N at mm (lb. at in.)	-
			N at mm	•

MUSTANG Car Line\_ <u>1</u>982 9-81 Model Year\_ \_\_lssued\_\_ Revised (\*)\_

Engine Description/Carb. Engine Code			5.0L H.O. (302-2V)
Engine -	Valve S	System	
Hydraulic lift			Standard
Valve rotato		, p. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Positive on Exhaust:
(intake, exha			2-Piece on Intake
Push rods (d	lia, length,	material)	(.312/6.88) Steel
Rocker ratio		·	1.61:1
Operating tappet clearance	Intake		Zero
(indicate hot or cold)	Exhaust		Zero
		Opens ("BTC)	15
Timing	Intake	Closes (ABC)	65
(based on		Duration (deg.)	260
top of ramp		Opens (ABC)	_68
points)	Exhaust	Closes (ATC)	26
	<del></del>	Duration (deg.)	274
<del></del>	<del></del>	en overlap (deg.)	41
	Material Overall le	on a th	Steel (SAE-1547) Phosphate Coated Stem
		erall head dia.	128.78 (5.07)
	<del></del>	seat & face (deg.)	45.2 (1.78) Seat 45°: Face 45°
		ert material	None
	Stem diar		(0.3423 - 0.3416)
	Stem to g	juide clearance	(0.0010 - 0.0027)
Intake	Lift (at ze	<del></del>	(0.375)
valve	Outer	Valve closed – N at mm	
	spring	(lb. at in.)	351 @ 45.2 (78 @ 1.78)
	press. & length	Valve open N at mm (lb. at in.)	880 @ 34.5 (194 @ 1.36)
	Inner spring	Valve closed— N at mm (lb. at in.)	None
	press. & length	Valve open- N at mm	
		(fb. at in.)	None
	Material		Austenitic Steel (21 - 2N) Head; Steel (SAE 8645) Stem.
	Overali le	erall head dia.	128.78 (5.07)
		seat & face (deg.)	36.83 (1.45)
		rt material	Seat 45°; Face 45°
	Stem dian		None (Induction Hardened)
	Stem to g	uide clearance	(0.3418 - 0.3411) (0.0015 - 0.0032)
xhaust	Lift (at zer	ro la <b>s</b> h)	9.931 (0.391)
alve	<u> </u>	Valve closed-	7.7.11 (0.)51)
	Outer spring	N at mm (tb. at in.)	<u>340 @ 40.6 (75 @ 1.60)</u>
	press. & length	Valve open— N at mm (lb. at in.)	921 @ 29.5 (203 @ 1.16)
I	Inner spring	Valve closed— N at mm (lb at in)	None
	press. &	Valve open-	
'	lungth   I	N at mm (lb. at in.)	None

Car Line MUSTANG		
Model Year 1982	_tssued9-81	Revised (*)

		<del></del>	<del></del>					
Engine Description/Carb. Engine Code		2.3L (140 CID)						
Engine -	- Lubrication System							
	Main bearings	Pressure						
Tunn of	Connecting rods	Pressure						
Type of lubrica-	Piston pins	Oil Mist & Splash						
tion (splash,	Camshalt bearings	Pressure						
pressure,	Tappets	Pressure						
nozzie)	Timing gear or chain	None						
	Cylinder walls	Timed Pressure Stream & Splas	h					
Oil pump ty	pe	Gerotor						
Normal oil p	pressure-kPa (psi) at engine rpm	345 (50) psi @ 2000 rpm						
Type oil int	ake (floating, stationary)	Stationary, Shrouded Screen i	n Sump					
Oil filter sys	stem (full flow, part, other)	Full Flor						
Capacity of	c/case, less filter-refill-L (qt.)	3.8(3.5)Plus 0.9(1.0) for Fil	ter 4.4 (4.0)Plus 0.9(1.0) for					
-	ecommended (SAE viscosity							
and temper	ature range)	Multi-Viscosity	Single Viscosity					
		•	+60°F & Above - SAE 40					
		+10°F & Above - SAE 20W40						
		-10°F to +90°F - SAE 10W40	+32°F to +90°F - SAE 30					
		-10°F to +90°F - SAE 10W30	+10°F to +60°F - SAE 20-20W					
		-32°F to +32°F - SAE 5W30	-10 <sup>o</sup> F to +32 <sup>o</sup> F - SAE 10-10W					
Fooing sac	rice regmt. (SD, SE, etc.)	CT (Table Constitution FOR WO	0.452.A					
Engine serv	ice requit. (SD. SE. etc.)	SE (Ford Specification ESE-M2	U-153-A)					
Engine -	- Exhaust System							
Type (single	e, single with cross-over.							
dual, other)		Single						
	& type (reverse flow, u, separate resonator)	One, Reverse Flow						
Resonator no. & type		N.A.						
	Branch O.D., wall thickness	N.A.						
Exhaust pipe	Main O.D., wall thickness	N.A.	•					
	Material	N.A.						
inter-	O.D. & wall thickness	50.8 x 1.75 (2.00 x 0.069)						
mediate pipe	Material	Low Carbon Steel						
Tail	O.D. & wall thickness	47.8 x 1.37 (1.88 x 0.054)						
pipe	Material	Aluminized						

	MUSTANG				
Model Year.	1982	_lssued	9-81	Revised (*)	

Engine Description/Carb.		3.3L					
	•	(200 CID)					
Engine	<ul> <li>Lubrication System</li> </ul>						
	Main bearings	Pressure					
Type of	Connecting rods	Pressure					
lubrica- tion	Piston pins	Oil Mist & Spray					
(splash,	Camshaft bearings	Pressure					
pressure,	Tappets	Pressure					
nozzie)	Timing gear or chain	Drip					
	Cylinder walls	Squirt and Splash					
Oil pump t	<u>···</u>	Rotor					
	pressure-kPa (psi) at engine rpm	276-414 (40-60) @ 2000					
Type oil in	take (floating, stationary)	Stationary					
Oil filter sy	stem (full flow, part, other)	Full Flow					
Capacity of	of c/case, less filter-refill-L (qt.)	3.8 Plus 0.9 for Filter (4.0 Plus 1.0 for Filter)					
	ecommended (SAE viscosity	710 1100 0.7 101 1110e1 (4.0 1105 1.0 101 1110e1)					
and tempe	rature range)	Multi-Viscosity Single Viscosity					
		indist-Alecestry Studie Alecestry					
	i	+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					
		2000 to to type - SAE 10W-30 or 40 +32°F to 90°F - SAE 30					
		$-32^{\circ}$ F to $+32^{\circ}$ F - SAE 5W-30 $-10^{\circ}$ F to $+32^{\circ}$ F - SAE 20-20W					
Engine ser	vice regmt. (SD, SE, etc.)						
		SE (Ford Specification ESE-M2C-144-A)					
Engine -	- Exhaust System						
dual, other	e, single with cross-over,						
		Single					
	& type (reverse flow, u, separate resonator)	One, Reverse Flow					
Resonator no. & type		N.A.					
Branch O.D., wall thickness		N.A.					
Exhaust pipe	Main O.D., wall thickness	N.A.					
	Material	N.A.					
Inter-	O.D. & wall thickness	$50.8 \times 1.75$ (2.00 x .069) (a)					
mediate pipe	Material						
Tail	O.D. & wall thickness	Low Carbon Steel 47.8 x 1.37 (1.88 x 0.054)					
pipe	Material						
<del></del>		Aluminized					

(a) Solid

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

Engine Description/Carb. Engine Code		4.2L • (255 - 2V/VV)					
Engine -	- Lubrication System						
	Main bearings	Pressure					
Type of Jubrica-	Connecting rods	Pressure					
	Piston pins	Oil Mist and Spray					
tion (splash,	Camshaft bearings	Pressure					
pressure.	Tappets	Pressure					
nozzie)	Timing gear or chain	Drip					
	Cylinder walls	Splash					
Oil pump ty	pe	Rotor					
Normal oil p	pressure-kPa (psi) at engine rpm	276 - 414 (40 - 60) @ 2000					
Type oil into	ake (floating, stationary)	Stationary					
Oil lilter sy:	stem (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					
		-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 serv	rice reqmt. (SD, SE, etc.)	SE (Ford Specification ESE-M2C-144-A)					
Engine -	- Exhaust System	<u> </u>					
Type (single dual, other)	e, single with cross-over,	Single with "Y" System					
	& type (reverse flow, u. separate resonator)	One, Reverse Flow					
Resonator no. & type		None					
<b>5</b>	Branch O.D., wall thickness	N.A.					
Exhaust pipe	Main O.D., wall thickness	N.A.					
	Material	N.A.					
Inter- mediate	O.D. & wall thickness	50.8 x 1.75 (2.00 x .069)					
pipe	Material	L. C. Steel					
Tail	O.D. & wall thickness	50.8 x 1.37 (2.00 x .054)					
pipe	Material	Alum. L. C. Steel					

METRIC (U.S. Customary)

 MUSTANG

 Model Year
 1982
 Issued
 9−81
 Revised (•)

-10F to +32F - SAE 20-20W

	i i	
Engine Description/Carb. Engine Code		5.0L (302 - 2V)
Engine -	<ul> <li>Lubrication System</li> </ul>	
	Main bearings	Pressure
Type of	Connecting rods	Pressure
lubrica-	Piston pins	Oil Mist and Spray
tion (splash	Camshaft bearings	Pressure
pressure,	Tappets	Pressure
nozzie)	Timing gear or chain	Drip
	Cylinder walls	Splash
Oil pump ty	/pe	Rotor
Normal oil	pressure-kPa(psi) at engine rpm	276-414 (40-60) @ 2000
Type oil int	ake (floating, stationary)	Stationary
Oil filter sy	stem (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

Engine —	Exhaust	System
----------	---------	--------

Engine service reqmt. (SD, SE, etc.)

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

SE (Ford Specification ESE-M2C-144-A)

-32F to +32F - SAE 5W-30

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

Engine	Description/Carb.
Engine	Code

2.3L (140 CID)

	type: carburetor system, etc.	, fuel	Carburetor (downdraft)
Fuel Refill capacity - L (U.S. gals.)		- L (U.S. gals.)	
tank	Filler location		Right Rear Side
Type (elec. or med		mech.)	Mechanical
Fuel pump	Locations		Left Side of Engine
	Pressure rang	e – kPa (psi)	37.9 - 44.8 (5.5 - 6.5)
	Mfgr. & model		
	Choke type		Automatic
	Intake manifold heat control (exhaust or water)		Water
Carbure-	Air cleaner	Standard	Dry Replaceable Element & Hot & Cold Air Supply
or	type	Optional	None
		Manual	850 Neutral
	idle spdrpm	Эгорале (пец.)	
	(spec. neutral or drive)	Automatic	750 (Drive)
	1	Propane (neu.)	
idle A/F m	ix.		N.A.

Engine -	Diesel	Information	_	N∩T	Отяначао
	0.000		_	INCLE	CALCULATION OF THE CONTRACT OF

Glow plug			
lai-at	Туре		 
Injector nozzie	Opening pressure—kPa, (psi)		
Pre-chamber design			· · · · · · · · · · · · · · · · · · ·
Fuel interview	Manufacturer		
Fuel injection pump	Туре	,	
Supplementary vacuu	m source (type)		

Car Line	MUSTANG			
Model Year_	1982	_issued9-81	Revised (*)	

METRIC	(U.S.	Customar	y)

Engine Description/Carb. Engine Code	 3.3L
manie code	(200 CID)

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

Engine - Diesel Information -- NOT OFFERED

Glow plug		
Injector nozzle	Туре	
injector nozzie	Opening pressure—kPa. (psi)	
Pre-chamber design		
Evel injection come	Manufacturer	
Fuel injection pump	Туре	
Supplementary vacuu	m source (type)	

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

Engine Description/Carb.	4.2L
Engine Code	(255 - 2V/VV)
	(2)) - 24/44/

	type: carburetor system, etc.	, fuel	Carburetor (Downdraft)
Fuel	Refill capacity - L (U.S. gals)		
tank	Filler location		Right Quarter Panel
	Type (elec. or	mech.)	Mechanical
Fuel Locations			Engine Left Side
	Pressure rang	e – kPa (psi)	41.4 - 55.2 (6.0 - 8.0)
Mf	Mfgr. & model		
	Choke type		Automatic, Electrically Operated
-	Intake manifol (exhaust or wa		Exhaust
Carbure-	Air cleaner	Standard	Dry Replaceable Element - Hot & Cold Air Control
tor	type	Optional	None
		Manual	N.A.
	Idle spdrpm	oropane (neu.)	
	(spec_neutral	Automatic	500 (DR.)
		Propane (neu.)	

### Engine - Diesel Information

Glow plug			
	Туре		
Injector nozzle	Opening pressure-kPa, (psi)		
Pre-chamber design		(Diesel Engine Not Offered)	
Fuel inication assess	Manufacturer		
Fuel injection pump	Туре		
Supplementary vacuu	m source (type)		

Car Line	MUST	ANG		·	
Model Year	_1982	lssued	9-81	Revised (•)	

Engine	Description/Carb.
Engine	Code

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

	type: carbureto system, etc.	r, fuel .	Carburetor Downdraft
Fuel	Refill capacity	/ L (U.S. gals.)	58.3 (15.4)
tank	Filler location		Right Quarter Panel
	Type (elec. or	mech.)	Mechanical with Fuel Return Line
Fuel Dump	Locations		Left Side of Engine
	Pressure rang	e – kPa (psi)	44.8 - 55.2 (6.5 - 8.0) (a)
	Mfgr. & model		
	Choke type		Automatic
	Intake manifol (exhaust or w	d heat control ater)	Exhaust
Carbure-	Air cleaner	Standard	Dry Replaceable Element
or	type	Optional	None
		Manual	N.A.
	ldle spdrpm		
	(spec_neutral or drive)	Automatic	700 Neutral
		Propane (neu.)	

### (a) With return line blocked

### Engine - Diesel Information

Glow plug			
Injector nozzle	Туре		
mjecioi nozzie	Opening pressure - kPa. (psi)		
Pre-chamber design		(Diesel Engine Not Offered)	
Fuel intesting and	Manufacturer	The state of the s	
Fuel injection pump	Туре		· -
Supplementary vacuu	m source (type)		

Car Line	MUSTANG				
Model Year_	1982	_lssued	9-81	_Revised (*)	_

Engine Description/Carb. Engine Code 2.3L (140 CID)

### Engine - Cooling System

Engine -	Cooling	System	
Coolant reco		TI.	Pressure
Radiator car	relief valv	e pressure – kPa(psi)	82.7-110.3 (12-16) (a)
Circula- tion	Type (cho	ke, bypass)	By-Pass
thermostat	Starts to c	pen at "C ("F)	87-91 (188-195)
	Type (cen	trifugal, other)	Centrifugal - Vane
164-4-	GPM 1000	D pump rpm	13.1
Water pump	Number o	pumps	One
<u>-</u>	Drive (V-b	elt, other)	V-Belt
	Bearing ty	pe	Double Row, Sealed, Ball and Roller (3/4")
By-pass rec	irculation ty	ype (inter., ext.)	Internal
Radiator cor vertical, cell		ss-flow .nd fin, other)	Cross Flow - Tube and Slit Fin
Caslina	With heat	er—L(qt.)	9.7 (10.2)
Cooling system	Without he	eater-L(qt.)	N.A.
capacity	Opt. equip	ment-specify-L(qt.)	9.7 (10.2) with A/C
Water jacke	ts full lengt	h of cyl. (yes, no)	Yes
Water all are	ound cylind	er (yes, no)	Yes
	Lower	Number and type (molded, straight)	One-Molded
	LOWER	Inside diameter	32 (1.25) at Radiator; 38 (1.50) at Water Pump
Radiator (hose)	Upper	Number and type (molded, straight)	One-Molded
(11026)		Inside diameter	32 (1.25) at Radiator; 30 (1.18) at Water Connection
	By-pass	Number and type (molded, straight)	None
		Inside diameter	
	<u> </u>	Width	623.3 (24.5)
	Standard	Height	452.1 (17.8)
		Thickness	37.8 (1.49)
		Width	623.3 (24.5)
Radiator	A/C	Height	453.1 (17.8)
(core)		Thickness	37.8 (1.49)
		Width	N.A.
	Heavy duty	Height	
	,	Thickness	<u> </u>
	Number of blades & type - flex/solid		4 Uneven
Fan	Diameter		406.6 (16.00)
(standard)	Ratio fa	in to crankshaft rev.	1.05:1
	Fan cutou	t type	None
	Drive type-number of fans		
	No. of blac	des and spacing	4 Uneven - Elec. Motor Driven
	Diameter		355.6 (14.00)
Fan	Ratio - fa	an to crankshart rev.	1500 RPM - Constant
(optional)	Fan cut-o		Temp. Switch (Top Water)
A/C	Drive type	-number of fans	

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

Car Line	MUSTANG			
Model Year_	1982	_Issued	9-81	Revised (*)

Engine Description/Carb. Engine Code	3.3L (200 CID)	

Engine Cod	ingine Code		3.3L (200 CID)
Engine -	- Cooling	g System	
Coolant rec (std., opt., no		ш	
Radiator ca	p relief valv	e pressure-kPa(psi)	97-124 (14-18)
Circula-	Type (cho	ke, bypass)	Choke - Poppet or Sleeve Valve
tion thermostat	Starts to c	ppen at *C (*F)	86-90 (188-195)
	Туре (сел	trifugal, other)	Centrifugal - Vane
161.4	GPM 1000	D pump rpm	16
Water pump	Number o	f pumps	One
<b>,,</b>	Drive (V-b	elt, other)	V-Belt
	Bearing ty	/pe	Double Row, Sealed, Ball and Roller
By-pass rec	irculation t	ype (inter., ext.)	External
Radiator co vertical, cel		ss-flow ind fin, other)	Crossflow, Tube and Fin
Cooling	With heat	er—L(qt.)	(8.4)
system	Without he	eater-L(qt.)	(7.6)
capacity	Opt. equip	ment-specify-L(qt.)	(8.4) with A/C
Water jacke	ts full lengt	h of cyl. (yes, no)	Yes
Water all an	ound cylind	er (yes, no)	Yes
	Lower	Number and type (molded, straight)	One-Molded
		Inside diameter	(a)
Radiator	Upper	Number and type (molded, straight)	One-Molded
(nose)		Inside diameter	32 (1.25) at Radiator; 38 (1.50) at Water Pump
	By-pass	Number and type (molded, straight)	None
	-/	Inside diameter	
	<u> </u>	Width	622.3 (24.50)
	Standard	Height	453.1 (17.84)
		Thickness	20.6 (0.81)
		Width	622.3 (24.50)
Radiator (core)	A/C	Height	453.1 (17.84)
(0010)		Thickness	20.6 (0.81)
	1	Width	
	Heavy duty	Height	
	,	Thickness	
	Number of flex/solid	blades & type -	Five Uneven
Fan	Diameter		457.2 (18.0)
(standard)	Ratio - fa	n to crankshaft rev.	1.25:1
	Fan cutout type		Clutch-Viscous 130°F Cut-In Temp.
	Drive type-	-number of fans	Clutch - One
	No. of blad	les and spacing	Five Uneven
	Diameter		457.2 (18.0)
Fan	Ratio - ta	n to crankshaft rev.	1.25:1
(optional)	Fan cut-ou		Clutch Viscous 155°F Cut-In Temp.
		-number of fans	Clutch - One
			OTH DCH - OHE

<sup>(</sup>a) 38 (1.50) at Radiator; 44.5 (1.75) at Water Pump.

Car Line MUSTANG

Model Year 1982 Issued 9-81 Revised (•)

Engine Des Engine Cod		nrb.	4.2L (255 - 2V/VV)
Engine -	- Cooling	3 System	
Coolant rec (std., opt., no		m	
Radiator ca	p relief valv	re pressure-kPa(psi)	97 - 124 (14 - 18)
Circula-	Type (cho	ke, bypass)	Choke - Poppet or Sleeve Valve
tion thermostat	Starts to d	open at °C (°F)	86 - 90 (188 - 195)
	Type (cen	itrifugal, other)	Centrifugal - Vane
Water	GPM 100	0 pump rpm	16
pump	Number o	f pumps	One
	Drive (V-b	elt, other)	Serpentine Poly-V Belt
<del>-</del>	Bearing ty	·	Double Row, Sealed, Ball & Roller
By-pass rec	irculation t	ype (inter., ext.)	External
Radiator co vertical, cel		ss-flow and fin, other)	Crossflow, Tube & Slit Fin
Cooling	With heat	er—L(qt.)	13.9 (14.7)
system		eater – L(qt.)	13.3 (14.1)
capacity	·	ment-specify-L(qt.)	14.2 (15.0) - A/C
	Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		ler (yes, no)	Yes
	Lower	Number and type (molded, straight)	One-Molded
		Inside diameter	38 (1.50) at Radiator: 44.5 (1.75) at Water Pump
Radiator (hose)	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)
		Width	622.3 (24.50)
	Standard	Height	453.2 (17.84)
		Thickness	37.8 (1.49)
Codiotos	ĺ	Width	622.3 (24.50)
Radiator (core)	A/C	Height	453.1 (17.84)
		Thickness	37.8 (1.49)
	Heavy	Width	-
	duty	Height	-
		Thickness	
	Number of flex/solid	blades & type -	7 Even - Solid
Fan	Diameter		444.5 (17.5)
(standard)	Ratio - fa	in to crankshaft rev.	1.25:1
	Fan cutout		Clutch
		-number of fans	
		les and spacing	7 Even - Solid
Ean	Diameter		444.5 (17.5)
Fan (optional)	<del></del>	n to crankshaft rev.	1.25:1
	Fan cut-ou		Clutch
	Drive type-number of fans		

Car Line	MUST.	ANG			
Model Year	1982	_lssued	9-81	Revised (*)	

Engine Description/Carb. Engine Code

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

Circula- tion thermostat Water pump	Type (chol Starts to o Type (cent	pen at °C (°F) rifugal, other) pump rpm	96.5 - 124.0 (14 - 18 PSI)  Choke - Poppet or Sleeve Valve  89.5 - 93.4, Full Open 105 (193° - 200°, Full Open 221°)  Centrifugal  10
ion hermostat Water pump By-pass rec	Starts to o Type (cent GPM 1000 Number of Drive (V-be	pen at °C (°F) rifugal, other) pump rpm	89.5 - 93.4, Full Open 105 (1930 - 2000, Full Open 2210) Centrifugal
Water pump	Type (cent GPM 1000 Number of Drive (V-be	rifugal, other) pump rpm	89.5 - 93.4, Full Open 105 (1930 - 2000, Full Open 2210) Centrifugal
Water pump By-pass rec	GPM 1000 Number of Drive (V-be	pump rpm	
pump By-pass rec	Number of Drive (V-be		
pump By-pass rec	Drive (V-be	pumps	I U
By-pass rec			One
	Bearing ty	elt, other)	Poly-V Belt
		pe	Ball & Roller
Radiator cor	rculation ty	pe (inter., ext.)	External
	e type (cros ular, tube a	ss-flow nd fin, other)	Crossflow, Tube & Slit Fin
	With heate	r—L(qt.)	12.4 (13.3) (13.1)
Cooling system		ater-L(qt.)	
capacity		ment-specify-L(qt.)	12.7 (13.4) - A/C
Water jacke		n of cyl. (yes, no)	Yes
Water all arc			Yes
	Lower	Number and type (molded, straight)	One Molded
	LOWE	Inside diameter	(1.50) at Radiator, (1.75) at Water Pump
Radiator	Upper	Number and type (molded, straight)	One Molded
(hose)		Inside diameter	(1.25) at Radiator. (1.50) at Engine Water Outlet
		Number and type	(1.2)) at Raulator, (1.)0) at Engine water outlier
		(molded, straight)	One Molded
	Dy-pa33	Inside diameter	15.6 (0.615)
		Width	622 (24.5)
	Standard	Height	453.1 (17.84)
	014.104.0	Thickness	20.6 (0.81)
	·	Width	622 (24.5)
Radiator	A/C	Height	453.1 (17.84)
(core)		Thickness	37.8 (1.49)
		Width	
	Heavy	Height	
	duty	Thickness	
	Number of blades & type -		5 Uneven - Solid
<b>-</b> .	Diameter		469.9 (18.5)
Fan (standard)		n to crankshaft rev.	
,	Fan cutou		1.25:1 Clutch
n 11/0		number of fans	
n_A/C		les and spacing	Belt Driven - 1
	Diameter	ies and spacing	5 Uneven - Solid
Fan		n to crankshatt rev.	469.9 (18.5)
(optional)			1.25:1
A/C	Fan cut-ou	n type -number of fans	Clutch Belt Driven - 1

Car Line	MUSTANG			
Model Year_	1982	_Issued	9-81	Revised (•)

Engine Description/Carb. Engine Code

2.3L (140 CID)

Ì	Type (air injection, engine modifications, other)		ne	Vehicle, Engine, Carb. and Distributor Modifications		
	1		<del></del>	Plus Exhaust Gas Recirculation and Air Injection		
		Туре		Vane Type, Constant Displacement		
	Air		ent-cm <sup>3</sup> (in <sup>3</sup> )	311 (19) M/T; 180 (11) Ā/T		
	Injection	Drive ratio	<del> </del>	0.95:1 M/T; 1.20 A/T		
	Pump	Drive type		Relt.		
į		Relief valve	e (type)	None		
į		Filter (desc	cribe)	Centrifugal: Pump Mounted Filter Pack		
		Air distribu (head, man		Exhaust Manifold & Cylinder Head		
ŀ	Air Injection	Point of en	try	Exhaust Port in Cyl. Head (3-Port all COC; 4-Port TWC		
	System	Injection to	be i.d(Drilled	8.6 (0.34)		
ł	·	Check valv		Diaphragm		
		Backfire protection (type)		Check Valve		
		Type (controlled flow, open orifice, other)		Controlled Flow		
ļ		Valve type		Vacuum Operated		
		Valve location		Carb. Spacer		
- 1	Exhaust	Control energy source		Carb. Port		
t l	Gas Recircula-	Exhaust source		External Tube		
ion	tion System	Exhaust cooler type		None		
1 ]		Orifice no. and size		None - Tapered Stem One		
		Point of ex (spacer, ca manifold, o		Carburetor Spacer		
			Туре	Monolithic		
		Catalyst	Volume -L(in3)	117477447		
-	Catalytic	Substrate t	type	Coated Ceramic Monolith		
	Converter System	Container t	ocation	49S - Under Body &		
	•	-	·-	Toeboard: Calif		
				Underbody Only		
- 1		No. of	Converters	Two (49S): One (Calif.)		
			TOTAL TOTAL	TWO (1757, OHE (Val.)		
	Otho E	0				
		CORV. S	$lize=(in^3)$	(42) Under Toeboard &		
	Gas			(55) Inderbody - 498:		
ı	Catalyt			(160) Underbody - Calif.		
	Convers	ion				
- 1	System					

METRIC (U.S. Customary)

Car Line	MUSTANG		<u> </u>		
Model Year_	1982	_lssued	9-81	Revised (*)	

Engine Description/Carb. Engine Code

3.3L (200 CID)

	Type (air injection, engine modifications, other)		18	Vehicle, Engine, Carb. and Dist. Modifications Plus Exhaust Gas Recirculation and Air Injection			
		Туре		Vane Type, Constant Displacement			
	Air Injection Pump	Displacement—cm3(in3)		311 (19)			
		Drive ratio		1,36:1			
		Drive type		Belt			
		Relief valve (type)		None			
		Filter (describe)		Centrifugal			
	Air	Air distribution (head, manifold, etc.)		External Air Manifold & Downstream to Exhaust Pipe			
		Point of entry		(a)			
	Injection System	Injection tube i.d.		6.4 (0.25) Multiple, 19 (0.75) Downstream			
	<b>5</b> /5/6/11/	Check valve type		Diaphragm			
		Backfire protection (type)		By-Pass Valve			
		Type (controlled flow, open orifice, other)		Controlled Flow			
	Ì	Valve type		Tapered Pintle, Exhaust Back Pressure Modulated			
	Exhaust Gas Recircula- tion System	Valve location		Intake Manifold			
		Control energy source		Carb. Port. Vac.			
nau <b>s</b> t		Exhaust source		External Tube from Exhaust Manifold			
ission itrol		-:: <b>*</b> *		None			
ııroı		Orifice no. and size		3.18-11.43 (0.125-0.45)			
		Point of ext (spacer, ca manifold, o		Intake Manifold			
	Catalytic Converter System		Туре	Monolithic			
		Catalyst	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.				

- (a) Multiple entry to exhaust manifold and before underbody catalyst.
- (b) 2.3 (66 in.3) 49S, 2.5 (62 in.3) Calif. Underbody: 2.7L (156); Flange Mt. 1.4L (84).

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

Engine Description/Carb.	4.2L
Engine Code	(255 - 2V/VV)
	· · · · · · · · · · · · · · · · · · ·

Vehicle	<b>Emission</b>	Control
venicie	Emission	Control

	Type (air in) modification	ection, engine is, other)	Vehicle & Engine Modifications Plus Exhaust Gas Recirculation & Air Injection				
		Туре	Vane Type, Constant Displacement				
	Air Injection Pump	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 distribution (head, manifold, etc.)	Cylinder Head/ Catalyst				
	Air Injection	Point of entry	Cyl. Head Exhaust Ports or Catalyst Mid-Bed				
	System	Injection tube i.d.	6.4 (0.25) Cyl. Hd., 17.27 (0.680) Catalyst				
		Check valve type	Diaphragm				
		Backlire protection (type)	Check Valve				
		Type (controlled flow, open orifice, other)	Controlled Flow				
	]	Valve type	Tapered Pintle				
		Valve location	Intake Manifold				
	Exhaust	Control energy source	Carb. Port. Vacuum				
haust	Gas Recircula-	Exhaust source	Int. Man. Crossover				
mission ontrol	tion System	Exhaust cooler type	None				
		Orifice no. and size	10.69 (0.42)				
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold				
	Catalytic Converter System	Type	Monolithic				
		Catalyst Volume—L(in <sup>3</sup>					
		Substrate type	Coated Ceramic Monolith				
		Container location	(1) Transverse Mounted Under Trans Exh. Housing, and				
			(1) Rt. Exhaust Man. Flange				
	Other	No. of Converter	s Two				

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

Car Line	MUSTAN	IG					
Model Year	1982	_Issued	9-81	Revised (•)_			

Engine Description/Carb. **Engine Code** 

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

### **Vehicle Emission Control**

Vehicle	Emission (	Control				
	Type (air injection, engine modifications, other)			Vehicle and Engine MOdifications Plus Exhaust Gas		
				Recirculation and Air Injection (a)		
		Туре				
	Air Injection Pump	Displacement—cm <sup>3</sup> (in <sup>3</sup> )		314 (19 in. 3) 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		
		Type (controlled flow, open orifice, other)		Back Pressure		
		Valve type		Poppet or Tapered Stem (a)		
		Valve location		Intake Manifold		
	Exhaust Gas Recircula- tion System	Control energy source		Carb. Port.		
haust		Exhaust source		Intake Crossover Manifold		
nissian Introl		Exhaust cooler type		None		
		Orifice no. and size		None		
		Point of exhaust injection (spacer, carburetor, manifold, other)		Intake Manifold		
			Туре	TWC/COC		
		Catalyst	Volume-L(in3)	.90 (55)		
	Catalytic Converter System	Substrate type		Monolith		
		Container location		(1) Underbody		
		No. of Converters		Two		
	Other			• • • • • • • • • • • • • • • • • • • •		
			-			
				<u> </u>		

(a) Components Vary According to Engine Calibration.

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

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

Engine Description/Carb. **Engine Code** 

2.3L (140 CID)

Vehicle E	mission C	ontrol (contin	ued)	
	Type (venti	lates to atmos.,	Standard	Induction System (Closed System)
,		ystem, other)	Optional	None
		Make and Mode	60317	Ford E1ZE-AA
		Location		Left Side Crankcase Rocker Cover
Crankcase	Control unit	Energy source ( vacuum, carbure		Manifold Vacuum
mission Iontrol		Control method orifice, fixed oril		Variable Orifice
	Complete	Discharges (to i manifold, other)	ntake	Carb. Spacer
	system	Air inlet (breath	er cap, other)	Carb. Air Cleaner
	1	Flame arrestor (	screen, ather)	Emission Valve & (a) & (b)
		Thermal expans		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.
	Fuel tank	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
Evaporative Emission Control		<u> </u>		Externally Vented to
JUNIO		Vapor vented to	,	Carbon Canister
	Carbu- retor	(crankcase		Internally Vented to
	10.01	canister, other)		Air Cleaner
		Storage provision (crankcase, canister, other)		Carbon Canister
	Vapor storage		<sub>t3)</sub> (Milli∺ <sup>lms)</sup> 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

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

Engine Description/Carb. Engine Code

3.3L (200 CID)

### **Vehicle Emission Control (continued)**

		tilates to atmos.	Standard	Induction System
	induction :	system, other)	Optional	None
		Make and Mode	<u> </u>	D9BE-6A666-CA
		Location		Front of Rocker Arm Cover
Crankcase Emission	Control unit	Energy source ( vacuum, carbure	manifold ator, other)	Manifold Vacuum
Control		Control method orifice, fixed orif		Variable Orifice
	Complete	Discharges (to it manifold, other)	ntake	Carb. Spacer
	system	Air inlet (breathe	r cap, other)	Carburetor Air Cleaner
	<u> </u>	Flame arrestor (:	screen, other)	Emission Valve and Air Cleaner Filter
		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
	Fuel	Vacuum relief kPa (psi) and loo	ation	Open Orifice Assy. in Tank, plus Valve in Filler Cap with 3.5 (0.5) Max. Opening Pressure
	tank	Vapor-liquid separator type		Orifice and Float Valve Assy. in Top of Fuel Tank
Evaporative		Vapor vented to (crankcase, canister, other)		Carbon Canister
mission Control	Carbu-	Vapor vented to (crankcase.		Externally Vented to Carbon Canister
	retor	canister, other)		Internally Vented to Air Cleaner
	Vapor	Storage provision (crankcase, canister, other)		Carbon Canister
	storage	Volume—dm <sup>3</sup> (ft <sup>3</sup> or capacity (gran	•	925 ml
		Control valve type		Purge Valve

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

Engine	Description/Carb.
Engine	Code

4.2L (255 - 2V/VV)

	Type (vent	ilates to atmos.,	Standard	Induction System
		system, other)	Optional	None
		Make and Mode	el .	D8ZE-AB
		Location		Rocker Arm Cvr., Left Side
Crankcase Emission	Control unit	Energy source vacuum, carbur		Manifold Vacuum
Control		Control method orifice, fixed ori		Variable Orifice
	Complete	Discharges (to manifold, other)		Intake Manifold
	system	Air inlet (breath	er cap, other)	Carburetor Air Cleaner
		Flame arrestor	(screen, other)	Emission Valve and Air Cleaner Filter
	Thermal expansi 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
	Fuel	Vacuum relief kPa (psi) and lo	ocation	Open Orifice Assembly in Tank, plus Valve in Filler Cap with 3.5 (0.5) Max. Opening Pressure
tank	tank	Vapor-liquid separator type		Orifice and Float Valve Assembly in Top of Fuel Tank
		Vapor vented to (crankcase, canister, other)		Carbon Canister
Emission Control	<del></del>	<del> </del>	<u></u> .	Externally Vented to
	Carbu-	Vapor vented to	•	Carbon Canister
	retor	(crankcase, canister, other)		Internally Vented to
•	<u></u>		<u> </u>	Air Cleaner
1 ,	Vapor	Storage provision (crankcase, canister, other)		Carbon Canister
	storage	Volume—dm <sup>3</sup> (I or capacity (gra		1400 ml. Carbon
		Control valve type		Elec. Solenoid with MCU Control

Car Line	MUSTANG			•
Model Year	1982 <sub>Issu</sub>	<sub>ed</sub> 9-81	Revised (*)	

Engine Description/Carb. Engine Code

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	Ŧ.

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

	Tune for t	detector to the control of	Standard	Induction System (Closed System)
		ilates to atmos. system, other)	Optional	None
		Make and Mode	<del></del>	Ford
1 -		Location		Rocker Cover
	Control unit	Energy source (		Manifold Vacuum
mission ontrol		Control method orifice, fixed orif		Variable Orifice
	Complete	Discharges (to i manifold, other)	ntake	Intake Manifold
	system	Air inlet (breath	er cap, other)	Air Cleaner
		Flame arrestor (	screen, other)	Emission Valve and Cleaner Filter
-		Thermal expans		2.12 (.075)
Fuel tank		Relief pressure kPa (psi) and location		Open orifice assy. in tank plus valve in filler cap with 11.00 (1.60) min. opening pressure
	Fuel	Vacuum relief kPa (psi) and to	cation	Open orifice assy. in tank plus valve in filler cap with 3.5 (0.5) max. opening vacuum
	tank	Vapor-liquid separator type	<u> </u>	Orifice and Float Valve Assembly in Top of Fuel Tank
		Vapor vented to (crankcase, canister, other)		Carbon Canister
mission ontrol	Carbu- Vapor vented t		· · · · · · · · · · · · · · · · · · ·	
	retor	(crankcase, canister, other)		Externally Vented to Carbon Canister
	Vapor	Storage provision (crankcase, canister, other)		Carbon Canister
	storage	Volume—dm <sup>3</sup> (ft or capacity (gra	•	925 Milliliters of Carbon (498) 1400 Milliliters of Carborn (Calif.)
		Control valve type		Elec. Solenoid

Car Line	MUSTANG				
Model Year_	1982	_lssued	9-81	_Revised (*)	

Engine	Description/Carb.
Engine	Code

2.3L (140 CID)

#### Electrical - Supply System

		y System	
	Make and model _10655-		Motorcraft EOAF-CA E OAF-BA
Battery	Voltage ri	gV-& total plates	12 Volt
	SAE designation no. and/or capacity		Automatic Manual 54 A.H. 45 A.H.
	Location		Right - Front Corner of Engine Compartment
	Make		Motorcraft
Generator	Model		E1ZF-AA (40A) Std.*
or	Type and rating		3 Phase, Full Wave Bridge Rectified, Self-Limiting
alternator	Output at engine idle (neutral) A		
	Ratio-gen, to cris rev.		2.31:1
	Make		Motorcraft
	Model -10316-		E1TF-AA
	Туре		Electronic
	Regu-	Voltage	13.8 - 14.6
Regulator	lated	Current A	Not Applicable
	Voltage	Temperature—*C (*F)	24° (75°)
	test condi-	Load A	5 Amps
	tions	Other	

### Electrical — Starting System

Starting motor	Make			Motorcraft
	Model _11001-			E2BF-AA (a)
	Engagement type			Positive (Electro-Mechanical)
Mator	Pinion engages from (front, rear)			Front
drive	Number of teeth	Pinion		9
			Manual	132
		Flywheel Auto	135	

*Non A/C A.H. Application/	Drive Ratio	A/C Alt. Application/ Drive Ratio
.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	

Car Line MUS	STANG				•
Model Year	1982	issued	9-81	Revised (•)	

Engine	Description/Carb.
Engine	Code

3.3L (200 CID)

Electrical — Supply System

	Make and model -10655-		Motorcraft EOAF-AA
Battery		tg. –V–& total plates	12V
	SAE designation no. and/or capacity  Location		36 А.Н.
			Right Front of Engine Compartment
	Make		Motorcraft
Generator	Model -10300-		E1ZF-AA (40A)*
or	Type and rating		3 Phase, Full Wave Bridge Rectified, Self Limiting
alternator	Output at engine idle (neutral) A		-
	Ratio-gen. to cris rev.		2.31:1
	Make		Motorcraft
	Model		E1TF-AA
	Туре		Electronic
	Regu-	Voltage	13.8 - 14.6
Regulator	lated	Current A	Not Applicable
	Voltage	Temperature—*C (*F)	24°C (75°F)
	test condi-	Load A	5 Amps
	tions	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
			Manual	136
		Flywheel	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 with ATX)

2.20

Car Line MUSTANG				
Model Year 1982	lssued	9-81	_Revised (*)	

Engine	Description/Carb.
Engine	Code

1	1,2	2L
(255	_	2V/VV)

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

### Electrical - Supply System

Libetiica	- Supp	iy System	
Battery	Make and model _10655-		EOAF-AA Motorcraft
	Voltage rtgV-& total plates		12V
	SAE designation no. and/or capacity		36 A.H.
	Location		Right Front of Engine Compartment
	Make		Motorcraft
Generator	Model =10300~		E1ZF-FA (60A)
or alternator	Type and rating		3 Phase, Full Wave Bridge Rectified, Self Limiting
anemator	Output at engine idle (neutral) A		_
	Ratio-gen. to cris rev.		3.00:1
	Make		Motorcraft
	Model -10316-		E1TF-AA
	Туре		Electronic
D1-1	Regu-	Voltage	13.8 - 14.6
Regulator	lated	Current A	Not Applicable
	Voltage	Temperature—*C (*F)	24 <sup>o</sup> c (75 <sup>o</sup> F)
	test condi-	Load A	5 Amps
	tions	Other	

### Electrical — Starting System

Starting motor	Make			Motorcraft		
	Model -11001-			E1AF_BA		,
Motor drive	Engagement type Pinion engages from (front, rear)			Positive (Electro-Mechanical)		
				Front		
		Pinion		9		
	Number of teeth	of teeth   Manual	Manual	None	157	
		Flywheel	Auto	164	None	

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

Car Line	MUSTANG				•
	1982		0.81		
Model Year _		_issued	9-01	Revised (*)	

Engine	Description/Carb
Engine	Code

2.3L (140 CID)

Electrical - Ignition System

	Convention	nal-std., opt., n.a.	N.A.		
Туре	Transistori	zed—std., opt., n.a.	Breakerless Duraspark II		
	Other (spe	cify)	None		
	Make		Motorcraft		
Coil	Model -	-12029-	D5AE-AB (D7AE-AA Calif.)		
COII	Current	Engine stopped — A	5.0 (0.0 Calif.)		
<del></del>		Engine idling — A	2.5 (1.0 Calif.)		
	Make		Motorcraft		
	Model -	-12405 <b>-</b>	AWSF-42		
Spark plug	Thread (mi	m)	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).

Electrical - Instruments and Equipment

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

(a) Elec. Graphic display indicator system in-console (optional). Also includes

Tach, with 2.3L Turbo, Door Ajar Warning Light and Headlamps "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).

Light Std., Elec. Tach. (6000 rpm) - Std., Opt. 8000 R

Lamp-out Indicator for headlamps,

Taillights or Brakelights. Electronic Digital Clock (Optional with console).

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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)				
Electrical	– Ignitio	n Svstem					
		nal – std., opt., n.a.	N.A.				
Туре	Transistorized-std., opt., n.a.		Breakerless Duraspark II				
	Other (specify)		None				
	Make		Motorcraft				
Call	Model		D5AE-AB				
Coil	Current	Engine stopped — A	5.0				
	Current	Engine idling — A	2,5				
	Make		Motorcraft				
0	Model		BSF-92				
Spark plug	Thread (mr	n)	18				
· •	Tightening	torque – N-m (lb. ft.)	20.3 - 27.1 (15-20)				
	Gap		1.27 (0.050)				
Cl 4 - 1 4	<b>0</b>	•					
Electrical	- Suppre	ession					
Locations & type			Capacitor in Alternator, Resistor Spark Plugs, Resistance Core Ignition Cable, Hood Bond, Engine to Dash Ground Cable.				
Electrical		nents and Equipmen					
Speed- ometer	Туре		Pointer				
	<del></del>	ter (std., opt., n.a.)	Opt.				
EGR mainten	<del> </del>	or	None				
Charge indicator	Туре		Warning Light, Std., Electric Gage (45° Pointer) Opt.				
	Warning de	vice					
Temperature indicator	Туре		Warning Light (a) Std., Elec. Gage (450 Pointer) Opt.				
	Warning de	vice					
Oil pressure indicator	Type		Warning Light (a) Std., Elec. Gage (45° Pointer) Opt.				
	Warning de Type	vice	Filestois Compiler Production Compiler				
Fuel indicator	Warning de	vica	Electric Gage (45° Pointer) Std.				
<del></del>	Type - star		2 Chood Floathia (Calum) Manutal Cartail				
Wind-	Type — opt		2-Speed Electric (Column) Mounted Control				
shield wiper	Blade lengti		Intermittent Wipe				
****	<del></del>	- cm <sup>2</sup> (in. <sup>2</sup> )	406.4 (16)				
	Type - star		4946 (766)				
Wind- shield	Type — opt		Electric Motor (Impeller Type)				
washer	Fluid level is		None None				
	Туре		Electric				
Horn	Number use	ed	One (Lo-pitch)				
<del></del>			Brake System Warning Light, Emergency Flasher, Dir.				
Other			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.

MUSTANG Car Line\_ Model Year \_\_\_\_1982 9-81 \_lssued\_ Revised (\*)\_

Engine Description/Carb. Engine Code			4.2L (255-2V/VV)	5.0L H.O. (302-2V)				
Electrical	- Ignition	n System						
		al-std., opt., n.a.	N.A.					
Туре		ed-std., opt., n.a.	Duraspark II					
	Other (spec		None					
	Make		Motorcraft					
	Model		D5AE-AB					
Coil	0	Engine stopped — A	5.0					
	Current	Engine idling — A	2.5					
	Make	<u> </u>	Motorcraft					
	Model	·····	ASF-52	ASF-42				
Spark plug	Thread (mm	)	14 MM					
piag.	Tightening t	torque—N-m (lb. ft.)	14 - 20.3 (10 - 15)					
	Gap	<del> </del>	(0.050)	(.044)				
	<u> </u>		1 (0.0)07	(.011)				
Electrical	<ul><li>Suppre</li></ul>	ssion	<u> </u>					
Locations &	lype		Capacitor in Alternator, Resi Ignition Wire, Ground Cable -	stor Spark Plugs, Resistance - Engine to Dash, Hood Bond.				
Electrical	– Instrum	ents and Equipmen	t	,				
Speed-	Туре		Pointer					
ometer	<u> </u>	er (std., opt., n.a.)	Optional					
GR mainten	ance indicato	r	None					
Charge	Type		Warning Light (AMP)					
ndicator	Warning dev	rice						
remperature	Туре		Warning Light (Part of Engine	Warning Light)				
ndicator	Warning dev	rice						
Oil pressure	Туре		Warning Light (Part of Engine	Warning Light)				
ndicator	Warning dev	rice						
-uel	Туре		Electric Gage (45° Pointer)					
ndicator	Warning dev		Low-Fuel Warning Light - Optional					
Wind-	Type — stan	<del></del>	Electric Two-Speed (Column-Mounted Control)					
shield	Type - option	·	Interval Wipe					
wiper	Blade length		45.72 CM (18 in.)					
	Swept area		6215.4 (963.4)					
Vind-	Type - stan	· · · · · · · · · · · · · · · · · · ·	Electric Pump (Impeller Type) - Fluidic Spray					
shield vasher	Type – optio		None					
	Fluid level indicator		Optional - Warning Light					
lorn	Туре		Electric					
	Number used	<u> </u>	One (Lo Pitch)					
Other		·	Emergency Flasher, Directiona Indicator Light, Electric Clo Light, Brake Warning Light, H Optional.	cks, Seat Belts Warning				

Car Line	MUSTANG			
Model Year_	1982	_lssued	9-81 Revised (•)	

			<u> </u>				
Engine Dese Engine Code	cription/Carb e		2.3L (140 CID)				
Drive Uni	ts — Cluto	h (Manual Tran	smission)				
Make & type			Single Disc. Dry Plate				
Type pressu	re plate sprin	gs	Belleville Spring				
	load-N (lb.)		4693 (1055)				
No. of clutch	driven discs	·	One				
	Material		Woven Asbestos & Woven Non Asbestos (Alternate)				
	Manufactur	er	Porter - Raybestos				
	Part numbe	r	-				
	Rivets/plate	<del></del>	12				
Clutch	Rivet size	······································	$3.6 \times 5.6  (9/64 \times 7/32)$				
facing	Outside & i	nside dia.	216 x 146 (8.5 x 5.75				
	Total eff. ar	ea-cm <sup>2</sup> (in, <sup>2</sup> )	397.2 (61.56)				
	Thickness	<u> </u>	3/1.2 (01.)0/				
	Engagemer method	nt cushion	3.18 (.125) Torbend Disc				
Release bearing	Type & met of lubrication		Self-Centering, Angular Contact, Constant Running, Prepacked				
Torsional damping	Method: sp friction mat		Steel Coil Springs				
Drive Uni	ts — Trans	smissions					
Manual 3-sp	eed (std., opt	, n.a.)	N.A.				
Manual 4-sp	peed (std., opt	., n.a.)	Std.				
Manual 5-sp	eed (std., opt	., n.a.)	N.A.				
Manual over	drive (std., or	t., n.a.)	Opt 5-Speed (Mustang-Capri only)				
Automatic (s	td., opt., n.a.)		Opt. (C-3)				
Automatic of	verdrive (std.,	opt., n.a.)	N.A.				
		al Transmissio					
Number of t	orward speed	9	Four Five				
	In first		3.98:1 3.72:1				
	In second		2.14:1 2.23:1				
Transmis-	In third		1.49:1 1.48:1				
sion ratios	In fourth		1.00:1				
	In fifth	<del></del>	.76:1				
	In overarive						
In reverse 3.99:1 3.59:1							
Synchronous meshing, specify gears		ecify gears	1st, 2nd, 3rd, 4th, (Also 5th w/5-Speed)				
Shift lever lo	ocation		Floor				
	Capacity-L	(pt.)	1.3 (2.8)				
	Type recom		ESP-M2C83-C				
Lubricant	<u> </u>	Summer	80				
	SAE vis- cosity	Winter	80				
	number	Extreme cold					
		<del></del>	<del> </del>				

Car Line	MUST.	ANG			•
Model Year _	1982	lssued	9-81	Revised (*)	

	Engine Description/Carb. Engine Code			3.3L (200 CID)	
Drive Un	its — Clutch	(Manual Tra	ınamission)		
Make & type	<del></del>				
Type prese	ure plate spring				
	load N (Ib.)	-		· · · · · · · · · · · · · · · · · · ·	
	h driven discs				
	Material		<u> </u>		<del></del>
	Manufacture	r			
	Part number	· · · · · · · · · · · · · · · · · · ·			
	Rivets/plate		1		
Clutch	Rivet size			NOT	
facing	Outside & in:	side dia.		AVAILABLE	
	Total eff. are:	a-cm <sup>2</sup> (in,2)		11/1111111000	
	Thickness	<del></del> -	<del> </del>		
	Engagement method	cushion			
Release bearing	Type & method flubrication				<del></del>
Torsional damping	Method: sprid				
	its — Transn peed (std., opt., r		V A		
	peed (std., opt.,	<del></del>	N.A.		· · · · · · · · · · · · · · · · · · ·
	peed (std., opt., r		N.A.		
	rdrive (std., opt.,		N.A.		<del></del>
Automatic (s	std., opt., n.a.)		Std.		
Automatic o	verdrive (std., og	ot., n.a.)	N.A.		
Drive Uni	its — Manua	Transmissio	on		
Number of fo	orward speeds				······
	In first				
	In second				
Transmis-	In third				
sion ratios	In fourth				
	In fifth			NOT	
	In overarive			AVAILABLE	
	in reverse				
Synchronou	s meshing, spec	cify gears			
Shift lever lo	ocation				
	Capacity-L (p	ot.)	<del>                                     </del>		
	Type recomme		<del></del>		
Lubricant	SAE III	Summer			<del></del>
	JONE VIS-	Winter			
	Inumber	xtreme cold		· · · · · · · · · · · · · · · · · · ·	

Car LineMUSTAN	IG		
Model Year 1982	_Issued	<u>9-81</u>	_Revised (*)

Engine Description/Carb. Engine Code			4.2L (255 CID)
Drive Uni	ts — Cluto	h (Manual Tra	ensmission)
Make & type	•		
Type pressu	ire plate sprin	ns.	
	load -N (lb.)	95	
	driven discs		
	Material		
	Manufactur	er	
	Part numbe		
	Rivets/plate	)	
Clutch	Rivet size		
facing	Outside & i	nside dia.	
	Total eff. ar	ea-cm <sup>2</sup> (in,2)	
	Thickness		
	Engagemen method	t cushion	
Release bearing	Type & met of lubrication		
Torsional damping	Method: sp friction mat		
	ts - Trans		N.A.
Manual 4-sp	peed (std., opt	, n.a.)	N.A.
Manual 5-sp	eed (std., opt.	, n.a.)	N.A.
Manual over	drive (std., op	t., n.a.)	N.A.
Automatic (s	td., opt., n.a.)		Std.
Automatic o	verdrive (std.,	opt., n.a.)	N.A.
Drive Uni	ts – Manu	ai Transmissi	on
Number of fo	orward speed	В	
	In first		
	In second		
<b>*</b>	In third		
Transmis- sion ratios	in fourth		
	In fifth		
	In overarive		
In reverse			·
Synchronou	s meshing, sp	ecify gears	
Shift lever lo	ocation		
	Capacity-L	(pt.)	
	Type recomm		
Lubricant	-	Summer	
	SAE vis- cosity	Winter	
	number	Extreme cold	
	<u> </u>		<del>_</del>

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

Engine Description/Carb. Engine Code			5.0L (302 CID)		
Drive Uni	ts — Clutc	h (Manual Tra	insmission)		
Make & type	,				
Type proces	ro plate enrin	200	Single Disc, Dry Plate		
	re plate sprin	gs	Belleville Spring		
	n driven discs		6890 (1549)		
NO. OF CIUTO			One		
	Material		Woven Non-Asbestos		
	Manufactur		Valeo		
	Part numbe		EZZR-7550-AA		
	Rivets/plate	<del></del>	32		
Clutch	Rivet size		$3.6 \times 5.6  (9/64 \times 7/32)$		
facing	Outside & i		254 (10.0) x 171 (6.75)		
		ea-cm <sup>2</sup> (in. <sup>2</sup> )	552 (85.5)		
	Thickness		3.48 (.137)		
	Engagemen method	nt cushion	Torbend Disc		
Release bearing	Type & met of lubrication	pe & method			
Torsional damping	al Method: springs,		Steel Coil Springs		
	ts - Trans		N.A.		
Manual 4-sp	eed (std., opt.	., n.a.)	N.A.		
Manual 5-sp	eed (std., opt.	, n.a.)	N.A.		
Manual over	rdrive (std., op	t., n.a.)	Std.		
Automatic (s	std., opt., n.a.)		N.A.		
	verdrive (std.,	opt., n.a.)	N.A.		
		ıal Transmissi	on		
Number of I	orward speed:	\$	Four		
	In first		3.07:1		
	In second		1.72:1		
Transmis-	In third		1.00:1		
sion ratios	In fourth				
	In fifth				
	In overdrive		0.70:1		
In reverse			3.07:1		
Synchronous meshing, specify gears		ecify gears	1st, 2nd, 3rd, Overdrive		
Shift lever lo	ocation	·	Floor		
	Capacity-L (pt.)		4.5		
	Type recomm	mended	ESP-M2C83-C		
Lubricant	SAE vis-	Summer	80		
	cosity	Winter	80		
	number	Extreme cold	-		
	1	<u> </u>			

METRIC (U.S. Customary)

Car Line	MUSTANG				
Model Year_	1982	_Issued	9-81	Revised (*)	

Engine Description/Carb. Engine Code	2.3L (4)0.6TP)
•	(140 CID)

Drive	Units		<b>Automatic</b>	Transmission
-------	-------	--	------------------	--------------

Trade name Type (describe)		Select-Shift (C-3)	
		Torque Converter with Planetary Gears	
Selector	Location	Floor and Column	
	Ltr./No. designation	P R N D 2 1	
_	R	2.11:1	
	D	1.00:1	
Gear ratios	L <sub>3</sub>		
	L <sub>2</sub>	1.47:1	
	L <sub>1</sub>	2.47:1	
Max. upshil	t speed-drive range-km/h (mph)	124 (77)	
Max. kickdo	own speed-drive range-km/h (mph)	119 (74)	
Min. overdr	ive speed-km/h (mph)		
	Number of elements	Three	
Torque	Max. ratio at stall	2.90:1	
converter	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 leatures		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		<del>-</del>	Semi-Floating Type with Cast Center and Overhung Pinion		
Limited slip	differential	, type	Cone Clutch Type		
Drive pinior	n offset		7.5:25.4 (1.0); 6.75: 38.1 (1.5)		
Drive pinior	n type		Hypoid		
No. of differ	rential pinior	าร	7.5, Two; 6.75 Two and Four		
Pinion adju	stment (shin	n, other)	Shim		
Pinion bear	ring adj. (shi	m, other)	Collapsible Spacer		
Driving whe	el bearing t	ype	6.75 Ball Bearing; 7.5: Straight Roller		
	Capacity-	–L (pt.)	7.5:1.5 (3.25) 6.75: 1.8 (2.5)		
Type reco		ommended	ESP-M2C154-A (Additional 3 oz.Est. M2C118-A for Traction-Lok)		
Lubricant	SAE vis-	Summer	SAE 90		
	cosity	Winter	SAE 90		
	number	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	3.45:1
No. of	Pinion	12	11
teeth	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.
TTETISANE	Final drive ratio	N.A.	N.A.

<sup>(</sup>a) Also avail. 171.5 (6.75) Mustang/Capri.

METRIC (U.S. Customary)

Car Line MUSTANG

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

Engine Description/Carb,	3.3L	
Engine Code	(200 CID)	
		4

Drive Units - Automatic Transmission

Trade nam	e	Select-Shift	Centrifugal	Converter	Clutch	Trans
Type (describe)		Torque Converter with Planetary Gears				
	Location	C3 Column, Floor Optional	Floor	C5		
Selector	Ltr./No. designation	PRND 21	PRND21		*-	····
	R fall-	2.11:1	2.19:1			
_	D	1.00:1	1.00:1			
Gear ratios	L <sub>3</sub>	_	-			
	L <sub>2</sub>	1.47:1	1.46:1		<del></del>	
	L <sub>1</sub>	2.47:1	2.46:1	······································		
Max. upshi	ft speed-drive range-km/h (mph)	121 (75)	123 (76.3)	<del></del> -		
Max. kickd	own speed-drive range-km/h (mph)	111 (69)	107 (66.6)	······································		
Min. overdr	rive speed-km/h (mph)	_				
	Number of elements	Three			·	-
Torque	Max. ratio at stall	2.11:1	2.25:1			
converter	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		<del>.</del>		
Special transmission features		Transmission can be loc Controlled Throttle Val		r "2" Posi	tion, Va	acuum

### Drive Units - Axle or Front Wheel Drive Unit

Type (front, rear)			Rear		
Description	1				
			Semi-Floating Type with Cast Center and Overhung Pinion		
Limited slip	differential	<u>,</u> type	Cone Clutch Type		
Drive pinio	n offset		7.5 Axle: 25.4 (1.0)		
Drive pinio	n type		Hypoid		
No. of diffe	rential pinio	ns	7.5 Axle; 2;		
Pinion adju	stment (shin	n, other)	Shim		
Pinion bear	ring adj. (shi	m, other)	Collapsible Spacer		
Driving whe	el bearing t	уре	7.5 Axle: Roller;		
	Capacity	– L (pt.)	7.5 Axle: 1.5 (3.25):		
Lubricant SAE vis- cosity number	ommended	FSP-M2C154-A (Additional 3 oz. FST-M2C118-A for Traction-Lok)			
	SAE vies	Summer	SAE 90		
	cosity	Winter	SAE 90		
	number	Extreme cold	SAE 90		

Axie or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axie 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.		

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

Car Line_	MUSTANG				
Model Yea	1982	lssued _	9-81	Revised (*)	

Engine Description/Carb. /	4.2L
Engine Code	(255-2V/VV)

Trade name Centrifugal Converter Clutch Transmission							
Type (desc	ribe)	Torque Converter and Planetary Gears (C5)					
Selector	Location	Floor					
	Ltr./No. designation	PRND 21					
· · · · ·	R	2.19:1					
_	D	1.00:1					
Gear ratios	L <sub>3</sub>	•					
, 41100	L <sub>2</sub>	1.46:1					
	L <sub>1</sub>	2.46:1					
Max. upshi	ft speed-drive range-km/h (mph)	125 (77.4)					
Max. kiçkd	own speed-drive range-km/h (mph)	109 (67.9)					
Min. overdr	ive speed-km/h (mph)	_					
	Number of elements	Three					
Torque	Max. ratio at stall	2.25:1					
converter	Type of cooling (air, Ilquid)	Liquid					
	Nominal diameter	305 (12)					
Lubricant	Capacity-refill-L (pt.)	10.4 (22.0)					
Lubricani	Type recommended	ESP-M2C138-CJ					
Special trai	nsmission	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 pinior	offset		25.4 (1.0)				
Drive pinior	type		Hypoid				
No. of differential pinions		IS.	2 Pinion				
Pinion adju	Pinion adjustment (shim, other)		Shims				
Pinion bear	ing adi. (shir	m, other)	Collapsible Spacer				
Driving whe	el bearing ty	/pe	Straight roller				
	Capacity-	–L (pt.)	1.5 (3.25)				
	Type recommended		ESP-M2C154-A (Additional 3 oz FST-M2C118-A for Traction-Lok)				
Lubricant	SAE vis-	Summer	SAE 90				
	cosity	Winter	SAE 90				
	number	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	Pinion	12	15	
teeth	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.	
, I di Gazio	Final drive ratio	N.A.	N.A.	-

Car Line	MUSTANG				
Model Year_	1982	lssued_	9-81	_Revised (*)_	

Engine De Engine Co	scription/Ca de	в <b>г</b> b.	5.0L (302-2V)				
Drive Ur	nits – Auf	tomatic Transmissi	on NOT APPLICABLE				
Trade nam							
Type (desc	cribe)						
<del>-</del> .	Location						
Selector		esignation					
_	R	4.1.51.					
	D						
Gear	L <sub>3</sub>						
ratios	L <sub>2</sub>						
	L <sub>1</sub>						
Max unshi	<del></del>	ive range-km/h (mph)					
		drive range-km/h (mph)					
	rive speed -						
		of elements					
Torque	Max. ratio						
converter		cooling (air, liquid)					
	Nominal		<u> </u>				
		-refill-L (pt.)					
Lubricant	<u> </u>	ommended	<u> </u>				
0	<del></del>						
Special tra features	nsmission						
Drive Un	its — Axl	e or Front Wheel D	rive Unit				
Type (front,	Type (front, rear)		Rear				
Doggription							
Description	1		Conventional and Locker, Semi-Floating, Overhung Pinion				
Limited slip	differential	type	Cone				
Drive pinior	n offset		25.4 (1.0)				
Drive pinior	n type		Hypoid				
No. of differ	rential pinior	ıs	Two				
Pinion adju	stment (shin	n, other)	Shim				
	ring adj. (shi		Collapsible Spacer, Shim				
Driving whe	el bearing t	ype	Straight Roller				
	Capacity-		1.54 (3.25)				
		mmended	ESP-M2C154-A for Conventional, ESP M2C158-A for Locker				
Lubricant		Summer	SAE 90				
2001100111	SAE vis- cosity	Winter					
	number	Extreme cold	SAE 90				
	<u> </u>	Extreme colo	SAE 90				
			ombinations (See "PowerTeams" for axle ratio usage.)				
Axte ratio o	r overall rati	0	3.08:1				
No. of	Pinion		12				
teeth	Ring gear	or gear	37				
Ring gear C	O.D. mm (	in.)	190.5 (7.5)				
Tennasila	Transfer		'				
Transaxle	Final drive	e ratio					

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

Car Line	MUSTANG				<del></del>
Model Year_	1982	Issued	9-81	_ Revised (* )	

Engine Description/Carb. **Engine Code** 

2.3L (140 CID)

ype (straigh iternal-exter	ype (straight tube, tube-in-tube, ternal-external damper, etc.)			Internal Tuned Damper
	Manual 3-speed trans.		<b>5</b> .	Not Available
•	Manual 4-sp	eed trans	S.	76.2 x 1206.2 x 1.65 (a) (d) (g) (3.00 x 47.49 x .065)
Outer liam. x ength* x vall hick-	Manual 5-sp Overdri		S.	76.2 x 1185.9 x 1.65 (b) (f) (3.00 x 46.69 x .065)
ness	Overdrive			Not Available
	Automatic transmission		on	76.2 x 1240.8 x 1.65 (a) (c) (e) (3.00 x 48.85 x .065)
Inter-	Type (plain, anti-friction)			None
mediate bearing	Lubrication (fitting prepack)			None
	Туре			Plain
Slip yoke	Number of teeth			M50D, HM4WR, C3-25
	Spline o.d.	Spline o.d.		M50D, HM4WR, C3-28.321 (1.15) Max.
	Make and m	nfg. no.	Front Rear	Ford 1310 Ford 1310
	Number use	ed		Two
11-31	Type (ball and trunnion, cross)		nion, cross)	Cross
Universal joints	Rear attach	Rear attach (u-bolt, clamp, etc.)		12MM Bolts
•	Bassiss	Type (r anti-fri		Needle Roller
	Bearing Lubric, (fitting, prepack)			Pre-Pack
Drive taken or arms, sp	through (torqu rings)	e tube		Control Arms
Torque tak or arms, sp	en through (tor rings)	que tube	_	Control Arms

Centerline to centerline of universal joints, or to centerline of rear attachment. (a)  $6.75~\mathrm{Axle}$ 

- 7.5 Axle (b)
- C-3 Automatic (c)
- (d) HM 4 WR Manual
- C-3 Automatic w/7.5" axle 76.2 x 1223.0 x 1.65 (3.00 x 48.15 x.065) (e)
- (g) HM 4 WR w/7.5 Axle 76.2 x 1185.9 Page 16 MVMA-C-82 x 1.65 (3.00 x 46.69 x .065)Conventional Drive)

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

Engine Description/Carb. **Engine Code** 

3.3L (200 CID)

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

Drive Units - Propeller Shaft

Type (stra	ight tube, tub	e-in-tube.	Straight Tube w/Internal Tuned
	ternal dampe	r, etc.)	Cardboard Liner Damper (e)
٠	Manual 3	-speed trans.	Not Available
Outer	Manual 4	-speed trans.	69.9 x 1155.9 x 1.65 (a) 69.9 x 1160.3 x 1.65 (e) (2.75 x 45.51 x .065) (2.75 x 45.68 x .065)
diam. x length* x wall thick- ness	Manual 5	-speed trans.	Not Available
	Overdrive		Not Available
	Automatic transmission		69.9 x 1192.0 x 1.65 (b) (c) (f) 69.9 x 1155.9 x 1.65 (d) (2.75 x 46.93 x .065) (2.75 x 45.51 x .065)
Inter-	Type (plain, anti-friction)		None
mediate bearing	Lubrication (fitting prepack)		None
	Туре		Plain
Slip oke	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.
	Make and mtg. no.		Ford 1310 Ford 1310
	Number us	ed	Two
niversal	Type (ball	and trunnion, cross)	
oints	Rear attact	ı (u-bolt, clamp, etc.)	12MM Bolts
	Bearing	Type (plain, anti-friction)	Needle Roller
		Lubric, (fitting, prepack)	Pre-pack
rive taken t arms, spri	hraugh (torqu ngs)	e tube	Control Arms
orque taker arms, spri	through (torongs)	que tube	Control Arms

<sup>\*</sup> Centerline to centerline of universal joints, or to centerline of rear attachment. a) SR-4 w/7.5" Ax1e.

<sup>(</sup>a)

C-3 Automatic w/7.5" Axle. (b)

C-5 Automatic w/7.5" axle 69.9 x 1132.3 x 1.65 (2.75 x 44.58 x .065) (c)

<sup>4.2</sup>L, C-5 Automatic w/7.5" Axle. (d)

<sup>5.0</sup>L, SROD w/7.5 Axle (e)

<sup>(</sup>f) Internal Tuned Damper

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

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

Engine Description/Carb. Engine Code			ALL MODELS		
Drive t	Jnits — Tires	And Wheels (S	tandard)		
	Size, load range		P175/75R14 BSW		
	Type (bias radi	ial, etc.)	Steel Belted Radial		
Tires	Inflation pressure (cold) for recommended	Front-kPa (psi)	241 (35)		
	max. vehicle load	Rear-kPa (psi)	241 (35)		
	Rev./mile – at 70	0 km/h (45 mph)	(861)		
	Type & material		Styled Steel - Stamped		
	Rim (size & flan	ge type)	356 x 127 (14x5) JJ		
Wheels	Wheel offset		28.45 (1.12)		
**HCCIS		Type (bolt or stud)			
	Attachment	Circle diameter	108 (4.25)		
		Number & size			
Spare tire	e and wheel (sam	ne or other)	Four, 1/2-20 356 x 127 (14 x 5) w/R78 x 14 RSW Tire (Temp. use only)		
		···	1356 x 127 (14 x 5) w/B78 x 14 BSW Tire (Temp. use only)		
Drive L	Jnits — Tires	And Wheels (O	ptional)		
	d range, ply		[P175/75R-14 WSW		
Type (bia	is, radial, etc.)		Steel Belt Radial		
Wheel ty	pe & material		Styled Steel		
	, flange type, and	d offset)	356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset		
Size, load	range, ply		P185/75R-14 BSW (WSW)		
	s. radial, etc.)		Steel Belt Radial		
		a)	Styled Steel or Cast Aluminum		
	. Ilange type, and	<del>/</del>			
	range ply		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset   P185/75R-14 (RWL)		
	s, radial, etc.)		Steel Belt Radial		
	<del></del>	a)			
	. flange type, and		Styled Steel or Cast Aluminum		
	range type, and	, Onacti	356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset		
	s, radial, etc.)		190/65R 390 BSW, 28 PSI Front & Rear		
	oe & material	<del>-</del>	Steel Belt Radial		
<del>-</del>	flange type, and	Loffoot	TRX Forged Aluminum		
-		i onsen	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		· · · · · · · · · · · · · · · · · · ·		
	<del></del>	nal or external)	Rear Service Brakes		
lf sepa-	Drum diame	<del> </del>	<del></del>		
rate from service	2.3 0.8				
brakes	Lining size width x thic				

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

Car Line	MUS	TANG			<u> </u>
Model Year	1982	Issued	9-81	Revised (•)	

Body Type And/Or Engine Displacement					ALL MODELS		
Brakes ·	– Serv	rice	¥.				
	Π.		Front		N.A.		
Brake type		rum	Rear		Std.		
(std., opt., r	1.a.)		Front		Std.		
	l D	isc	Rear		N.A.		
Self-adjust	ing (std.	opt., n.a.	)	-"	Std.		
Special valving	'Type (p	proportion	n, delay, metering	ı, otheri	Pressure Differential and Proportioning		
Power brai	e (std.,	opt., n.a.)	•		Optional, Mandatory w/2.3L Turbo, 3.3L & 4.2L Engines		
Booster lyp	e (remo	te, integra	al, vac., hyd., etc.	)	220 (8.66) Single Diaphragm - Integral Vacuum		
Anti-skid d	evice ty	pe (std., c	pt., n.a.)		N.A.		
Effective a	rea – cm	2 <sub>(in,2)</sub> •			Front - 212 (32.9); Rear - 302.6 (46.9)		
Gross linin	g area-	cm <sup>2</sup> (in. <sup>2</sup>	)**		Front - 231 (35.8); Rear - 331.6 (51.4)		
Swept area	a-cm <sup>2</sup> (i	n.2)***			Front - 1140 (176.6); Rear - 638.7 (99.0)		
	Outers	working d	liameter	F	255.5 (10.06)		
	00.07			R	N.A.		
	Inner v	Inner working diameter			158.0 (6.22)		
Rotor	R R			ļ	N.A.		
	Thicks	iess		F	22.1 (0.870)		
		R			N.A.		
	Materi	al & type	(vented/solid)	F	Cast Iron Vented (Non-Directional)		
	R			R	N.A.		
_	Diamet (nomin	_	Front		N.A.		
Drum			Rear		228.6 (9.0)		
	Front	ind mater	iai		Composite Cast Iron Steel; Alum. w/C.I. Liner - Optional		
Wheel cyl- inder bore					59.9 (2.36)		
	Rear Bore				19.05 (0.75)		
Master cylinder	Stroke				21.0 (0.827) 35.4 (1.395) Manual; 37.3 (1.470) Power		
Pedal arc					5.80:1 Manual; 3.50:1 Power		
		15 N (100	) lb.) pedal load-	-kPa (nsi)	N.A.		
Lining	Front		, io., peda, ioad	к, а края	0.127 (0.005)		
clearance per shoe	Rear		·- ·-		0.381 (0.015		
	-104	Bonded	or riveted, rivets	s/seg.	Riveted		
		Rivet si	ze		Inboard: 4.6x10.2(0.18x0.4); Outboard: 4.6x7.5(0.18x0.295)		
		Manufa	cturer		Thiokol - 2.3L; Bendix - 2.3L Turbo, 3.3L & 4.2L		
	Front	Lining	code		TP-1353MFF; BX-XO-EE		
	wheel	Materia	ıl		Molded Asbestos-2.3L: Semi-Metallic-2.3L Turbo, 3.3L &4.2		
		****	Primary or out-	board	155 x 44 x 10.2 (6.1 x 1.7 x 0.4)		
Brake lining		Size	Size Secondary or in-boar		119 x 44 x 10.2 (4.7 x 1.7 x 0.4)		
		Shoe th	nickness (no linir	o) mm(ir			
		Bonded	d or riveted, rivets	s/seg.	Riveted/Primary 8 - Secondary 10		
		Manufa	cturer		Bendix FMD, Primary 3198, Secondary 3199		
	_	Lining	code		PRI BX RY FE - Sec. BX PM FE		
	Rear wheel	Materia	ıl		Molded Asbestos		
		••••	Primary or out-	board	$155 \times 44 \times 4.7  (6.12 \times 1.75 \times 0.187)$		
		Size	Secondary or i	n-board	$219 \times 44 \times 6.2  (8.63 \times 1.75 \times 0.245)$		
		Shoe th	nickness (no linir	ng)	1.709 (0.0673)		

<sup>\*</sup> Excludes rivet holes, grooves, chamfers, etc.

<sup>\*\*</sup> Includes rivet holes, grooves, chamfers, etc.

<sup>\*\*\*</sup> 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.

METRIC (U.S. Customary)

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

Í	ALL MODELS	

Manual (st	d., opt., n.a.)			Std.
Power (std				Optional, Mandatory with 3.3L w/A/C & 4.2L
	, <b>op</b> ,	Tuna and		Optional, mandatory with 3.35 w/A/C & 4.25
Adjustable steering wheel (tilt, swing, other)  Adjustable Type and description (Std., opt., n.a.)			Tilt - 5 Positions	
		(Std. opt. p.p.)		Optional. Not Available with Manual Steering
		Manual		381(15in.)w/.25in.0ffset;0pt:368mm(14.5in.)w/6.4(.25)0ff
Wheel diar	neter	Power		381(15in.)w/.25in.0ffset;0pt;368mm(14.5in.)w/6.4(.25)0ff
	Outside	Wall to wall	(1.8.r.)	301(1)111.)W/2)111.011860.0pu.300mm(14.)111.)W/0.4(.2)/011
Turning	front	Curb to curt		11.3 (37.1)
fiameter n (ft.)	Inside	Wall to wall	(l. & r.)	
11 (11.7	rear	Curb to curt	b (l. & r.)	
		Туре		Rack and Pinion
		Make		Cam Gear Ltd.
Manual	Gear	Daties	Gear	10.66 Deg./mm of rack travel
		Ratios	Overall	24.93:1 on Center: 21.69:1 at Stops
	No. whee	l turns (stop t	to stop)	4.08
	Type (coa	axial, linkage,	etc.)	Integral Rack and Pinion
	Make			TRW Gear (Ford Alt Ford Pump Fluid ESP-M2C138-CJ
		Туре		Rack and Pinion (Variable Ratio)
ower	Gear		Gear	8.58 Deg./mm on Center: 7.91 Deg./mm at Stops
		Ratios Overall		20.03:1 on Center: 16.05:1 at Stops
	Pump dri	ven by		Belt off Crankshaft Pulley
	No. whee	l turns (stop t	to stop)	3.05
	Type			Rack and Pinion (Rod & Ball Joint Direct Attach, to Gear
	Location	(front or rear		
Linkage	of wheels	s, other)		Front of Wheels
	Orag link	s (trans, or lo	ngit.)	N.A.
	Tie rods	(one or two)		Two (Integral with Gear)
	Inclinatio	n at camber (	(deg.)	15.68
Steering	Bassass	Upper		Upper Strut Mount
axis	Bearings (type)	gs Lower		Ball Joint
	1,	Thrust		
Steering s	oindle & joir	nt type		Forged Spindle, with Ball Joint
	Diameter	Inner bearin	ng	1.3767 I.D.
Wheel	<b></b>	Outer bearing	ng	0.8647 I.D.
spindle	Thread s			13/16-20 UNEF (2A R.H. Thd.)
<del></del>	Bearing t	-		Tapered Roller
	Service	Caster (deg		$0.37^{\circ}$ to $2.12^{\circ}$ (a)
	checking	king Camper (deg.)		$-0.5^{\circ} \text{ or } +1^{\circ} \text{ (a)}$
		-	side track-mm (in.)]	+5 (0.18) +3 (0.12) (b)
Wheel align at	Service	1	ame as	$1.25^{\circ} \pm 0.88^{\circ}$ (a)
curb mass			ervice	+0.250 + 0.750 (a)
(wt.)		_	hecking	+5 (0.18) +3 (0.12) (b)
	Periodic	Caster		-0.75° to +3.25°
	M,V, in-	Camber	<del></del>	-1.250 to +1.750
	spection	Toe-in m	m (in.)	-1.5 (0.06) + +17 (0.65)

(a) Max. side-to-side difference not to exceed  $0.75^{\circ}$ .

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

METRIC (U.S. Customary)

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

Body Type And/Or Engine Displacement		ALL MODELS
Suspensi	on — General	
	Std./opt./n.a.	None
Car leveling	Type (air, hyd., etc.)	-
ievening	Manual/auto. controlled	-
Provision fo	r brake dip control	Front Springs Mounted on Lower Control Arms
Provision fo	r acc. squat control	Unequal Length Upper/Lower Control Arms (Rear Susp.)
Special pro- car jacking	visions for	Side of Car - Outside Rocker Panel Flanges, Front & Rear
Shock	Туре	Direct Dbl. Acting Hydraulic (Struts) Frt Unique Valving
absorber	Make	Motorcraft Frt. & Rear
front & rear	Piston dia	Front: 34.8 (1.37); Rear 25.4 (1.0)
Other speci	al features	Scissors Jack & Wrench
Suspensi	ion — Front	
Type and d	escription	Hybrid MacPherson Strut w/Springs Mounted on Lower Control Ar
T1	Full jounce	92.96 (3.66) at Wheel
Travel	Full rebound	84.84 (3.34) at Wheel
	Type (coil, leaf, other)	Coil
	Material	SAE 5160 Steel
Spring	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 (1.0
Suspens	ion — Rear	28.5 (1.12)
Type and d	escription	Four Bar Link Coil Spring
Drive and to	orque taken through	Upper & Lower Control Arm
Travel	Full jounce	86.61 (3.41)
IIAVEI	Full rebound	115.32 (4.54)
	Type (coil, leaf, other)	Coil
	Material	SAE 5160-H Steel
	Size (length x width, coil design	$220.7 \times 102  (8.69 \times 4.02)$
Spring	height & i.d., bar length & dia.)	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 No. of leaves	-
	leaf Shackle (comp. or tens.)	-
Ct-bill	Type (link, linkless, frameless)	Linkless (N.A. Standard Duty Suspension)
Stabilizer	Material & bar diameter	SAE 1090 Steel; 14.0 (.55) TRX Handling (Exc. 2.3L)
Track bar t	ype	None
		O O M 1 O OI WDV O OI 9 O OI Wimbo

<sup>(</sup>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

Car Line MUSTANG				
Model Year 1982	Issued_	9-81	Revised (•)	<u> </u>

Body Type			ALL MODELS
Body - 1	Miscellaneous	s Informat	tion
	sh (lacquer, enam		Enamel (Acrylic)
Hood hinge	location (front, re	ear)	Rear
Hood counti	erbalance (type)		No (Prop Rod)
Hood releas	se control (interna	al, external)	Primary: Internal; Secondary: External
Vehicle ider	nt. no. location		Cowl Top Panel
			towi Top Tanei
	v control method	Front	None
tcrank, trict	ion pivot, power)	Rear	None
Cont acaba	- 4	Front	Stamped Frame - Coil Spg. & Flexolator - Foam Pad
Seat cushio	и туре	Rear	Integral Frame and Foam Pad Assy.
		3rd seat	None
Cont book t		Front	Stamped Frame - Foam Pad
Seat back t	уре	Rear	Frame Hardboard with Foam Pad Assy. (a)
*******		3rd seat	None
Method of h	nolding luggage		
	· · · · · · · · · · · · · · · · · · ·		Torsion Bars (Model 66); Gas Cylinders (Model 61)
Position of 8	spare tire storage	!	Flat in Deep Well of Floor Pan of Luggage Compartment
		<del></del>	
Passive F	Restraint Sys	tem	NOT OFFERED
	Standard/ optional		
Inflatable restraint system	Type of charging syst	em	
	Location (stg. whl., instru. panel, other)		
	Standard/ optional		
Passive seat belts	Power/ manual	·	
	2 or 3 point		
	Knee bar/ lap belt		
Frame			
	escription (separ me, partially-uniti		Platform Type Unitized Construction (Isolation Type, Front Suspension Cross-Member)

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

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

Body Type		ALL MODELS
Convenie	ence Equipment	
	Side windows	Optional
Power windows	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats well as avai	s (specify type as ilability)	N.A.
Reclining fr	ont seat back (r-1 or both)	Optional
Radio (spec		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 s	peaker	Std. with all Stereo radio Options (Two Req'd); Opt. w/AM or
Power anter	nna	N.A. AM/FM*
Clock		Digital Electronic (Optional)
Air conditio	ner (specify type)	Opt.; Integral on Inst. Panel (Multiple Outlets), Manual Control
Speed warn	ning device	N.A.
Speed cont	rol device	Optional
Ignition loci	k lamp	N.A.
Dome lamp	· .	Std.
Glove comp	partment lamp	Opt.
Luggage co	mpartment lamp	Opt.
Underhood	lamp	Opt.
Courtesy la	mp	N.A.
Map lamp		Opt. Dome/Swivel (Deleted w/Sunroof Opt.; Incl. w/Opt. Lt. Grp.)
Cornering la	amp	N.A.
Rear windo electrically		Optional (Required in New York State)
Rear windo	w delogger	N.A.
Theft protect	ction-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.
	Vw. O/S Mir.	Std.
	w. O/S Mir. Rem	•
RH Rr.	Vw. O/S Mir. Res	mote Opt.

<sup>\*</sup>Mono Radios (Two Req'd.)

Car Line MUSTANG				
Model Year1982	Issued	9-81	Revised (*)	

	Vehicle Mass (weight)							
	CURB MASS, kg. (weight, lb.)* % PASS, MAS			ASS. MASS	DISTRIBUT	ION	SHIDDING MASS La	
Model	Front	Rear	Total	Pass. II	n Front Rear	Pass. I	n Rear Rear	SHIPPING MASS, kg. (weight, lb.)**
2-Door 66B	684	516	1199	110111	near	110111	i i cai	1145
	(1507)	(1137)	(2644)					(2528)
2-Door GLX 66H	689	521	1211					1158
z-poor din con	(1520)	(1149)	(2669)					(2553)
	(0)	F22	4045					44(1)
3-Door 61B	684 (1509)	533 (1174)	(2683)					1164 (2567)
3-Door GLX 61H	690	538	1228					1175
	(1522)	(1185)	(2707)					(2591)
ABOVE CURB WEIGHTS REFLEC	r vehic	LE WITH	2.31. 8	TD. ENC	INE ANI	OPTIC	NAL C-3	AUTOMATIC
TRANSMISSION.	1,2112							
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<sup>\*</sup>Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
\*\*Shipping mass (weight) definition — Less fuel and engine coolant.

Car Line	MUSTANG				•
Mandal Vasa	1982		0_81		
Model Year		_lssued	>	Revised (•)	

	Optional Fault and Bitter at the August Augu					
				ment Differential Mass (weight)*		
Equipment	Front	ASS, kg. (we Rear	·	Remarks		
2.3L-2V-Manual Trans.	_9	Hear O	Total			
Z. JII-ZV-Manuar II ans.	(-20)	(1)	-9	Under 2.3L-2V, Auto. Trans.		
2.3L-2V(Turbo)Man. Trans.	24	1	(-19)	0 27 077 1 1 7		
(Canada)		<del> </del> -	25	Over 2.3L-2V, Auto. Trans.		
2.3L-2V-Manual Trans.	(52)	(3)	(55)	77.1.00		
Overdrive	-3	0	-3	Under 2.3L-2V, Auto, Trans.		
	(-7)	0	(-7)	0 0 07 07		
5.0L-2V Manual O.D. Trans.	74	3	77	Over 2.3L-2V, Auto. Trans.		
2 21 11 Auto M	(164)	(7)	(171)			
3.3L-1V-Auto, Trans.	38	5	43	Over 2.3L-2V, Auto. Trans.		
), OT OT A 1	(85)_	(10)	(95)			
4.2L-2V-Auto. Trans.	88	4	92	Over 2.3L-2V, Auto. Trans.		
A1 G. 7111	(195)	(8)	(203)			
Air Conditioning	34	2	32	2.3L Engine w/Man; w/Auto. 35 (78)/		
	(76)	(-6)	(70)	-2 (-6)/33 (72)		
	34	<u>-2</u>	32	2.3L Turbo Engine		
	(76)	(-6)	(70)			
	34	<b>-</b> 3	31	3.3L Engine		
	(76)	(-8)	(68)			
	34	2	31	4.2L Engine & 5.0L Engine		
	(75)	(-6)	(69)			
Power Steering	7.3	0	7.3	2.3L Engine		
	(16)	0	(16)			
	8.6	0	8.6	3.3L Engine & 2.3L Turbo Engine		
	(19)	0	(19)			
	8.6	0	8.6	4.2L Engine & 5.0L Engine		
	(19)	0	(19)			
Power Brakes	4.5	0	4.5			
	(10)	0	(10)			
Radio - AM	0	0	0	Standard		
- AM/FM Monaural	0	0	0			
- AM/FM Multiplex	0.9	1.4	2.3			
	(2)	(3)	(5)			
- AM/FM/MPX Tape	2.2	1.4	3.6			
	(5)	(3)	(8)			
-AM/FM/MPX	1.4	1.8	3.2			
Cassette Tape	(3)	(4)	(7)			
Premium Sound System	0.5	1.8	2.3	Req. AM/FM Multiplex or Tape or		
- B - Marie D. / D.	(1)	(4)	(5)	Cassette		
Elec. Rear Window Defrost	0.4	0.5	0.9	2.3L Engine		
MIND NAME OF TORSE	(1)	(1)	(2)	E.Or Wightie		
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<sup>\*</sup> Also see Engine - General Section for dressed engine mass (weight).

Car Line MUSTANG

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

METRIC (U.S. Customary)

		Op	tional Equi	ment Differential Mass (weight)*	
	MASS, kg. (weight, lb.)				
Equipment	Front	Rear	Total	Remarks	
Sun Roof	4.5	6.35	10.9		
	(10)	(14)	(24)		
Rear Window Washer/Wiper	4	4.5	4.1	N.A. w/2-Door Models	
	(-1)	(10)	(9)		
Alum. Spoke Wheels	-1.8	-1.8	-3.6		
212 cm   De 0110 11210 1120	(-4)	(-4)	(-8)		
Alum. Sim. Spoke Wheels	<b>-</b> 3.2	-2.7	-5.9		
TIZUM: DIM: OPONO MIGOLD	(-7)	(-6)	(-13)		
Wire Wheel Covers	1.4	1.8	3.2		
Wile Mileel Coverp	(3)	(4)	(7)		
<del></del>		<del>  \                                   </del>	1	-	
Tires:					
P175/75R 14BSW	0	0	0	Standard	
	0	0 -	0	Domidard	
P175/75R 14WSW			<del></del>		
P185/75R 14BSW	1.4	1.3	2.7		
	(3)	(3)	(6)		
P185/75R 14WSW	1.4.	1.8	3.2		
	(3)	(4)	(7)		
P185/75R 14RWL	1.4	1.8	3.2		
	(3)	(4)	(7)		
P190/65R/390BSW	3.6	4.1	7.7		
	(8)	(9)	(17)		
SS Option	13.6	15.0	28.6	Available on Model 61B (3 Dr. only)	
	(30)	(33)	(63)		
Handling Suspension	2.2	3.2	5.4	For 2.3L Engine 2.3(5)/0.9(2)/3.2(7	
TO S STEEL S S STEEL S STEEL S S S S S S S S S S S S S S S S S S	(5)	(7)	(12)	Only	
Speed Control	2.3	0.4	2.7	Does not include Strg. Wheel, BEPE	
<u>DDOOG OOHUIOT</u>	(5)	(1)	(6)	Wiring, Dump Valve Brkt.	
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<sup>\*</sup> Also see Engine — General Section for dressed engine mass (weight).

Car Line	MUSTAN	G		
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)	2171 (7012)
Cowl point "X" coordinate	L125	2145 ( 5.7)	
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 <b>,1</b> 3)	
Rocker panel-rear to ground	H111	170 ( 6.70)	
Bottom of door closed-rear to grd	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	17,40	
Angle of departure	H107	18.70	
Ramp breakover angle	H147	10.6 <sup>0</sup>	
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 (	h)

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

(a) To Upper Flange of Parking Lamp Opening.

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

<sup>(</sup>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)

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 2-Door Models No. 66B and 66H		3-Door Models 61R and 61H	
Front Compartment		_		
Sg RP front, "X" coordinate	L31 3034 (4)	0.7)		
Effective head room		(7.2)		
Effective T-point head room	H75			
Max. eff. leg room—accelerator	L34 1059 (4	1.7)		
Sg RP-front to heel		8.8)		
Design H-point front travel		6.1)		
Shoulder room		55.8)		
Hip room		66.1)		
Upper body opening to ground		6.7)		
Steering wheel angle	H18 23.00			
Back angle	L40 25.0°			
Rear Compartment Sg RP Point couple distance		27.6)	200 (25.5)	·
Effective head room	H63 912 (3	35.9)	902 (35.5)	
Effective T-point head room				
Min. effective leg room		30.8)		
Sg RP-second to heel		10.1)		
Knee clearance		-1.2)		
Compartment room	L3			
Shoulder room		54.6)		
Hip room		17.1)		
Upper body opening to ground	H51			
Luggage Compartment	·-			
Usable luggage capacity—L (cu.ft.)	V1 0.2832	(10.0)	N.A	

All linear dimensions are in millimeters (inches).

Car Line	MUST	ANG			
Model Year_	1982	Issued	9-81	_Revised (*)_	

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

Car and Body Dimensions See Key Sheets for definitions

Bod	v T	VDE

F	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	··- <del></del>	<del></del>		
Rear opening width at floor	W203	NOT	APPLICABLE		
Opening width at belt	W204		M I DIONDIE		<u> </u>
Max, rear opening width above belt	W205		· - · · · · · · · · · · · · · · · · · ·		
Cargo height	H201	<u></u>			
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> (tt. <sup>3</sup> )	V4	<del></del>		<u> </u>	<del></del>

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.3)	V3	0.925	(32.7)*	0.858 (30.3)#	 
Hidden cargo volume—m <sup>3</sup> (ft. <sup>3</sup> )	V4	,	<del></del>	<u> </u>	 <del></del>

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.)

<b>MVMA</b>	Speci	fications	<b>Form</b>
Passer	ger C	ar	

Car Line	MUSTANG				
Model Year _	1982	_issued	9-81	_Revised (•)	

**METRIC (J.S. Customary)** 

Car and Body Dimensions See Key Sheets for definitions

Body Type	ALL MODELS
,	

Fiducial Mark	Define Coordinate Location
Number'	Define Coordinate Location
1 & 2 Front	The Rear vertical edge of the master contrl notch on the under side of the front door rocker panels locates the "x" coordinate relative to body grid.
	X = 444.50  (17.50)
	Y = N.A.
3 & 4	The intersection of the horizontal-vertical surfaces on the rocker panel door rabbet locates the "Y" and "Z" coordinates relative to body brid at particular fore-aft inch lines. The fore-aft location can be determined by the reference dimension from - Fiducial Mark 1 & 2.
Rear	
	·
	·
Fiducial	
Mark Number	
W21	737-11 (29.02)
L54	444.50 (17.50)
Front H81	<del>-27.94 (-1.10)</del>
H161	
H163	
W22	727 11 (20 02)

W22	737.11	(29.02)					<del> </del>	<del></del>	
L55	1295.40	(51.00)							
H82	-35.81	(-1.41)							
H162									
H164									
	W22 L55 H82 H162 H164	L55 1295.40 H82 -35.81 H162	L55 1295.40 (51.00) H82 -35,81 (-1.41) H162	L55 1295.40 (51.00) H82 -35.81 (-1.41) H162	L55 1295.40 (51.00) H82 -35.81 (-1.41) H162	L55 1295.40 (51.00) H82 -35,81 (-1.41) H162	L55 1295.40 (51.00) H82 -35.81 (-1.41) H162	L55 1295.40 (51.00) H82 -35,81 (-1.41) H162	L55 1295.40 (51.00) H82 -35,81 (-1.41) H162

N.A. = Not Applicable

<sup>\*</sup>Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks - September, 1973. All linear dimensions are in millimeters (inches).

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

METRIC (U.S. Customary)

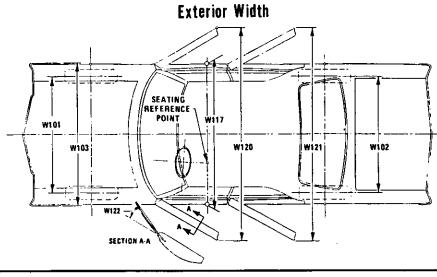
Car and Body Dimensions See Key Sheets for definitions

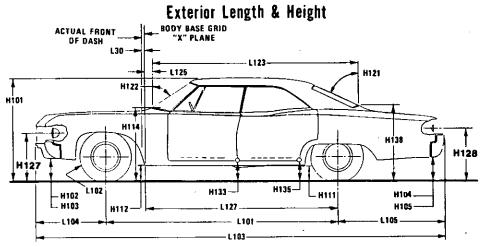
Body Type		ŞAE Ref. No.	2-Door 1 66B	66н	3-Door M 61R	odels 61H
Glass				•		
Backlight slope	angle	H121		57.3°	62.3°	
Windshield slop	e angle	H122		58.0°		
Tumble-Home		W122		24.9°	· · · · · · ·	
Windshield glas surface area —		S1	8114.0	(1257.6)		
Side glass expos area — cm²(in.²		S2	8312.7	(1288.4)	8101.1	(1255.6)
Backlight glass surface area —		\$3	8582.4	(1330.2)	8568.9	(1328.1)
Total glass expo area — cm²(in.²	sed surface	S4	25009.2	(3876.2)	24784.1	(3841.3)
Windshield glas	s type		Laminated		<del>-</del>	
Side glass type			Tempered	· · · · · · · · · · · · · · · · · · ·		
Backlight glass type			Tempered			
Lamps and I	leadlamp Sha	npe*				
Lamps and I	Headlamp (H127)	Highest**	658.6	(25.82)		<u> </u>
		Lowest	653.8	(25.74)		
Height above ground to	Taillamp (H128)	Highest	691.4	(27.22)	······································	
center of bulb or marker		Lowest	691.4	(27.22)	<u>, ,                                    </u>	
}		<del></del>				<del></del>
		Front	698.0	(27.48)		
	Sidemarker	Front	698.0	(27.48)	<del></del>	
	Sidemarker		691.4	(27.22)		
	Sidemarker Headlamp	Rear	691.4 441.96	(27.22) (17.4)		
Distance from		Rear	691.4 441.96 620.78	(27.22) (17.4) (24.44)		
C/L of car to		Rear Inside Outside**	691.4 441.96 620.78 573.28	(27.22) (17.4) (24.44) (22.57)		
C/L of car to	Headlamp	Rear Inside Outside**	691.4 441.96 620.78 573.28 702.0	(27.22) (17.4) (24.44) (22.57) (28.04)		
Distance from C/L of car to center of bulb	Headlamp	Rear Inside Outside** Inside Outside	691.4 441.96 620.78 573.28	(27.22) (17.4) (24.44) (22.57)		

<sup>\*</sup> Measured at curb mass (weight)
\*\* If single headlamps are used enter here.

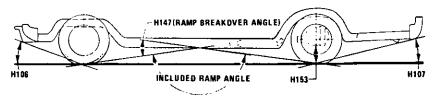
METRIC (U.S. Customary)

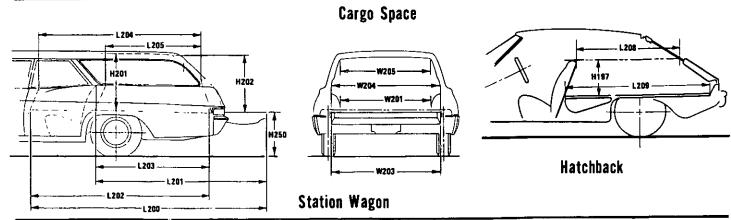
Exterior Car And Body Dimensions — Key Sheet





### **Exterior Ground Clearance**

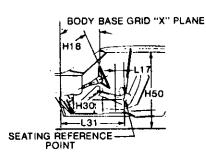


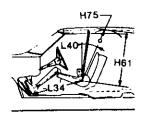


METRIC (U.S. Customary)

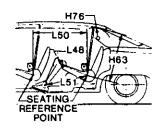
Interior Car And Body Dimensions - Key Sheet

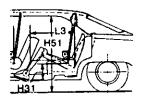
#### Front Compartment



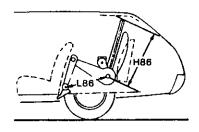


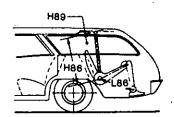
### Rear Compartment

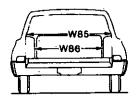




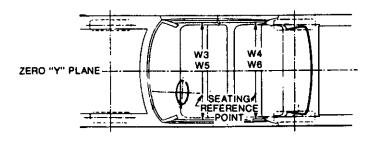
#### **Third Seat**







#### **interior Width**



**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 dimensional 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.

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

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

H103	FRONT	BUMPER	TO	GROUND-CURB	WEIGHT.
	Maggura	ad in the es	mo i	mannar as H104	

- REAR BUMPER TO GROUND. The minimum dimen-H104 sion measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- REAR BUMPER TO GROUND-CURB WEIGHT. H105 Measured in the same manner as H104.
- ANGLE OF APPROACH., The angle measured bet-H106 ween 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.
- REAR BREAKOVER ANGLE. The angle measured H147 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.
- REAR AXLE DIFFERENTIAL TO GROUND. The H153 minimum dimension measured from the rear axle differential to ground.
- MINIMUM RUNNING GROUND CLEARANCE. The H156 minimum dimension measured from the sprung vehicle to ground. Specify location.

#### Front Compartment Dimensions

- PASSENGER DISTRIBUTION-FRONT. PD1
- SGRP-FRONT "X" COORDINATED. L31
- EFFECTIVE HEAD ROOM-FRONT. The dimension H61 measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining, plus 4.0 in. (102 mm).
- EFFECTIVE T-POINT HEAD ROOM-FRONT. The H75 minimum radius from the T-point to the headlining plus 30 in. (762 mm).
- MAXIMUM EFFECTIVE LEG ROOM-ACCELERA-L34 TOR. 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.
- DESIGN H-POINT-FRONT TRAVEL. The dimension L17 measured horizontally between the design H-pointfront in the foremost and rearmost seat trace posi-
- SHOULDER ROOM-FRONT. The minimum dimen-WЗ sion 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 SgRPfront and 3 0 (76 mm) fore and aft of the SgRP-front.
- UPPER BODY OPENING TO GROUND-FRONT. The H150 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 SqRP-second.
- EFFECTIVE HEAD ROOM-SECOND. The dimension H63 measured along a line 8 deg, rear of vertical from the
- SgRP to the headlining, plus 4.0 in. (102 mm). EFFECTIVE T-POINT HEAD ROOM—SECOND. H76 Measured in the same manner as H75.
- MINIMUM EFFECTIVE LEG ROOM-SECOND. The L51 dimension measured along a line from the ankle pivot center to the SgRP-second plus 10.0 in. (254 mm).
- SgRP-SECOND TO HEEL. The dimension measured H31 vertically from the SgRP-second to the two dimensional device heel point on the depressed floor cover-
- KNEE CLEARANCE-SECOND. The minimum dimen-L48 sion measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).
- COMPARTMENT ROOM-SECOND. The dimension L3 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.
- UPPER BODY OPENING TO GROUND-SECOND. H51 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**

- Vί USABLE LUGGAGE CAPACITY -- Total of volumes of individual pieces of standard luggage set plus Hboxes 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).
- EFFECTIVE T-POINT HEAD ROOM-THIRD. H89 Measured in the same manner as H75.

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

			CARGO HEIGHT. The dimension measured vertically
Station L200	Wagon - Cargo Space Dimensions CARGO LENGTH-OPEN-FRONT. The minimum	H201	from the top of the undepressed floor covering to the
	dimension measured longitudinally from the back of		headlining at the rear wheel "X" coordinated on the
	the front seatback at the height of the undepressed		zero "Y" plane.
	floor covering to the rearmost point on the un-	H202	REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor cover-
	depressed floor covering on the open tailgate or		ing to the upper trimmed opening on the zero "Y"
	cargo surface if the rear closure is a conventional		plane with rear door fully open.
	door type tailgate, at the zero "Y" plane.	H250	TAILGATE TO GROUND (CURB WEIGHT). The
L201	CARGO LENGTH-OPEN-SECOND. The dimension	H230	dimension measured vertically from the top of the un-
	measured longitudinally from the back of the second		depressed floor covering on the lowered tailgate to
	seatback at the height of the undepressed floor		ground on the zero "Y" plane.
	covering on the open tailgate or cargo floor surface if	V2	STATION WAGON
	the rear closure is a conventional door type tailgate,	**	Measured in inches:
	at the zero "Y" plane.		
L202	CARGO LENGTH-CLOSED-FRONT. The minimum		$\frac{W4 \times H201 \times L204}{1728} = \text{ft.}3$
	dimension measured horizontally from the back of the front seat at the height of the undepressed floor		Measured in mm:
	covering to the rearmost point on the undepressed		W4 x H201 x L204
	floor covering on the closed tailgate or taildoor for		$\frac{\text{W4 x H201 x L204}}{10^9} = \text{m}^3(\text{cubic meter})$
	station wagons, trucks and mpv's at the zero "Y"		
	plane.	V4	HIDDEN CARGO VOLUME. As specified by the
L203	CARGO LENGTH-CLOSED-SECOND. The dimen-		manufacturer.
	sion measured horizontally from the back of the se-	Hatchb	pack – Cargo Space Dimensions
	cond seat at the height of the undepressed floor	All hate	chback cargo dimensions are to be taken with the front
	covering to the rearmost point on the undepressed	seat in	full down and rear position, and the rear seat folded
	floor covering on the closed tailgate or taildoor for	down	The hatchback door is in the closed position. (For
	station wagons, trucks and mpv's at the zero "Y"	electric	cally adjusted seats, see the manufacturer's specifica-
	plane.		or Design "H" Point).
L204	CARGO LENGTH AT BELT-FRONT. The minimum	H197	FRONT SEATBACK TO LOAD HEIGHT. The dimen-
	dimension measured horizontally from the back of the		sion measured vertically from the horizontal tangent
	front seatback at the seatback top to the foremost		to the top of the seatback to the undepressed floor
	normal surface of the closed tailgate or inside surface		covering.
	of the dab back panel at the height of the belt, on the	L208	CARGO LENGTH AT FRONT SEATBACK HEIGHT.
L205	zero "Y" plane. CARGO LENGTH AT BELT—SECOND. The minimum		The minimum horizontal dimension from the "X" plane
L205	dimension measured horizontally from the back of the		tangent to the rearmost surface of the driver's seat-
	second seatback at the seatback top to the foremost		back to the inside limiting interference of the
	normal surface of the closed tailgate at the height of		hatchback door on the vehicle zero "Y" plane. CARGO LENGTH AT FLOOR-FRONT-
	the belt, on the zero "Y" plane.	L209	HATCHBACK. The minimum horizontal dimension
W201	CARGO WIDTH-WHEELHOUSE. The minimum		measured at floor level from the rear of the front seat-
	dimension measured laterally between the trimmed		back to the normal limiting interference of the
	wheelhousings at floor level. For any vehicle not trim-		hatchback door on the vehicle zero "Y" plane.
	med, measure the sheet metal.	٧3	HATCHBACK.
W203	REAR OPENING WIDTH AT FLOOR. The minimum	,,	Measured in inches:
	dimension measured laterally between the limiting in-		
	terferences of the rear opening at floor level.		$\frac{\text{L208} + \text{L209}}{2} \times \text{W4} \times \text{H197} = \text{ft.}^3$
W204	REAR OPENING WIDTH AT BELT. The minimum		1728 · = II.3
	dimension measured laterally between the limiting in-		
	terferences of the rear opening at belt height or top of		Measured in mm:
MOOS	pick up box. REAR OPENING WIDTH ABOVE BELT. The minimum		L208 + L209 v W4 v H197
W205	dimension measured laterally between the limiting in-		$\frac{\text{L208} + \text{L209}}{2} \times \text{W4} \times \text{H197} = \text{m}^{3} \text{(cubic meter)}$
	terlerences of the rear opening above the belt height.		109
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