

AMA Specifications—Passenger Car

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MANUFACTURER FORD MOTOR COMPANY		CAR NAME MUSTANG	
MAILING ADDRESS P.O. BOX 2053 — DEARBORN, MICH. 48121		MODEL YEAR 1970	ISSUED September, 1969
			REVISED (●) Jan, 1970

NOTES:

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

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BODY - TYPES AND STYLE NAMES -

Body type, style names; use manufacturer's code for series & body style.

Body Model

Model Number

STANDARD

2-Door Hardtop	65A
2-Door Fastback	63A
2-Door Convertible	76A

DELUXE

2-Door Hardtop	65B
2-Door Fastback	63B
2-Door Convertible	76B

MACH 1

2-Door Fastback	63C
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GRANDE

2-Door Hardtop	65E
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MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED ^(a)

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:

4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	65 A-B-E	63 A-B	63 C	76 A-B
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WIDTH

Track - Front	W101	58.5			
Track - Rear	W102	58.5			
Maximum overall car width	W103	71.7			
Body width at No. 2 pillar	W117	69.7			

LENGTH

Body "O" to front of dash	L 30	-1.3			
Wheelbase	L101	108.0			
Overall car length	L103	187.4			
Overhang - front	L104	38.9			
Overhang - rear	L105	40.5			
Body upper structure length	L123	84.3	93.2		85.2
Body "O" line to $\text{\textcircled{C}}$ of rear wheel	L127	88.5			
Body "O" line to w/s cowl point	L130	10.4			

HEIGHT

Passenger Distribution (front & rear)		2-1			
Trunk/Cargo load (lbs.)		-			
Overall height	H101	51.5	50.6	50.4	51.5
Cowl height	H114	36.3		36.1	36.3
Deck height	H138	37.1	38.5	38.3	37.0
Rocker panel - front	To ground	H112	8.7	8.5	8.7
	From front wheel $\text{\textcircled{C}}$				
Rocker panel - rear	To ground	H111	7.7	7.5	7.7
	From rear wheel $\text{\textcircled{C}}$				
Windshield slope angle	H122	52.5°	54.7°		52.5°

GROUND CLEARANCE

Bumper to ground - front	H102	17.8			
Bumper to ground - rear	H104	14.9			
Angle of approach	H106	24.3°			
Angle of departure	H107	16.9°			
Ramp breakover angle	H147	12.4°			
Min. running clearance (Specify)	H156	4.9 (a)			

(a) Exhaust System

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	65 A	65 B-E	63 A	63 B	63 C	76 A	76 B
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FRONT COMPARTMENT

Effective head room	H61	37.6	37.5	37.3	37.2	37.3	38.2	38.1
Max. eff. leg room – accelerator	L34	40.1	39.9	40.0	39.9	40.0	40.1	39.9
H Point to Heel point	H30	7.8	7.9	7.0	7.1	7.0	7.8	7.9
H Point travel	L17	4.9						
Shoulder room	W 3	56.0						
Hip room	W 5	55.6						
Upper body opening to ground	H50	46.4		45.8			46.3	

REAR COMPARTMENT

H Point couple distance	L50	27.3	27.4	-			27.3	27.4
Effective head room	H63	35.7		-			35.9	
Min. effective leg room	L51	28.8		-			28.8	
H Point to Heel point	H31	10.0		-			10.0	
Min. knee room	L48	-2.9		-			-2.9	
Rear Compartment room	L 3	21.3		23.2			21.3	
Shoulder room	W 4	54.7		-			43.2	
Hip room	W 6	51.3		-			43.6	
Upper body opening to ground	H51	-		-				

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	9.2		7.2				
Liftover height	H195	29.9				29.7	29.9	
Position of spare tire storage		Flat-Right Rear Corner of Trunk						
Method of holding lid open		Torsion Bar						

STATION WAGON – THIRD SEAT

Shoulder Room	W85	-						
Hip room	W86	-						
Effective leg room	L86	-						
Effective head room	H86	-						
Seat facing direction		-						

STATION WAGON – CARGO SPACE

Cargo length at floor – front seat	L202	-						
Cargo length at belt – front seat	L204	-						
Cargo width – Wheelhouse	W201	-						
Opening width at belt	W204	-						
Maximum cargo height	H201	-						
Rear opening height	H202	-						
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	-						

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE (b)					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Std.	Opt.	Lock
All except 63C	200	1V	8.7	120 @ 4000	190 @ 2200	Manual 3-Speed	3.08		
						Automatic	2.83	3.08	
All except 63C	250	1V	9.0	155 @ 4000	240 @ 1600	Manual 3-Speed	3.00	2.79	3.00
						Automatic	2.79	3.00	3.00
All except 63C	302	2V	9.5	220 @ 4600	300 @ 2600	Manual 3-Speed	2.79	3.00	3.00
						Manual 4-Speed	3.00		3.00
						Automatic	2.79	3.00	3.00
All except 63C	351 (CorW)	2V	9.5	250 @ 4600	355 @ 2600	Manual 3-Speed	2.75	3.00	3.00
						Manual 4-Speed	3.00	3.25	3.00
						Automatic	2.75	3.00	3.00
63C Only	351(C) Ram Air	2V	9.5	250 @ 4600	355 @ 2600	Manual 3-Speed	3.00	2.75	3.00
						Manual 4-Speed	3.25	3.00	3.25
						Automatic	3.00	2.75	3.00
All except 63C	351(C)	4V	11.0	300 @ 5400	380 @ 3400	Manual 3-Speed	3.25	3.00	3.25
						Manual 4-Speed	3.25	3.00	3.25
						Automatic	3.00	3.25	3.00
63C Only	351(C) Ram Air	4V	11.0	300 @ 5400	380 @ 3400	Manual 3-Speed	3.25	3.00	3.25
						Manual 4-Speed	3.25	3.00	3.25
						Automatic	3.25	3.00	3.25

(b) Maximum Compression Ratio
(C) Cleveland
(W) Windsor

Note: A/C Axle Ratio 3.00:1 unless otherwise noted.
(a) "Daytona" Type Axle Assembly.

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE (b)					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Std.	Opt.	Lock
All	428 Cobra	4V Jet	10.6	335 @ 5200	440 @ 3400	Manual 4-Speed	3.25	3.50	3.25
									3.50
									3.91
						Automatic	3.25	3.50	4.30
									3.25
									3.50
All	428 Cobra Ram	4V Jet Air	10.6	335 @ 5200	440 @ 3400	Manual 4-Speed	3.50	3.25	3.50
									3.25
									3.91
									4.30
									3.50
									3.25
3.91									
4.30									

(b) Maximum Compression Ratio 3.91 and 4.30 Axle Ratio available only
 All 428-4V axle assemblies are "Daytona" type. with Drag Pack Option.

Note: A/C Axle Ratio 3.25:1 unless otherwise specified.

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MAKE OF CAR	MUSTANG	MODEL YEAR	1970	DATE ISSUED	9/69	REVISED (a)	11/69
MODEL	CID	200-1V	ALL MODELS	250-1V	302-2V		

ENGINE – GENERAL

Type, no. cyls., valve arr.	In-Line, 6 Cyl., OHV		90°V, 8 Cyl., OHV
Bore and stroke (nominal)	3.682 x 3.126	3.682 x 3.910	4.002 x 3.00
Piston displacement, cu. in.	200	250	302
Bore spacing (C to C)	4.08		4.38
No. system (front to rear)	L. Bank	-	5-6-7-8
	R. Bank	-	1-2-3-4
Firing order	1-5-3-6-2-4		1-5-4-2-6-3-7-8
Compres. ratio (nominal)	8.3:1 (8.7:1 Max.)	8.6:1 (9.0:1 Max.)	9.0:1 (9.5:1 Max.)
Cylinder Head Material	Cast Iron		
Cylinder Block Material	Cast Iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	4° 7'		
Taxable horsepower	$\frac{Dia^2 \times No. Cyl.}{2.5}$	32.5	51.2
Publishing max. bhp* @ eng. RPM	120 @ 4000	155 @ 4000	220 @ 4600
Publishing max. torque * (lb. ft. @ RPM)	190 @ 2200	240 @ 1600	300 @ 2600
Recommended fuel regular - premium	Regular		

ENGINE – PISTONS

Material	Aluminum Alloy with Steel Struts		
Description and finish	Autothermic, Slipper Skirt, Cam Ground, and Tin Plated		
Weight (piston only) oz.	17.10	17.42	21.16
Clearance (limits)	Top land	.022-.0308	.0304-.0408
	Skirt	Top	.0014-.0020 (a)
		Bottom	.0008-.0014
Ring groove depth	No. 1 ring	.1925-.1995	.202-.209
	No. 2 ring	.1925-.1995	.202-.209
	No. 3 ring	.1925-.1995	.184-.191
	No. 4 ring		

* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) At Centerline and 90° to Axis of Pin Hole.

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MAKE OF CAR	MUSTANG	MODEL YEAR	1970	DATE ISSUED	9/69	REVISED (●) 11/69
MODEL	CID	ALL MODELS				
		351-2V (Windsor)	351-2V-4V (Cleveland)	428-4V CJ		

ENGINE – GENERAL

Type, no. cyls., valve arr.	90°V, 8 Cyl. OHV		
Bore and stroke (nominal)	4.002 x 3.50		4.132 x 3.984
Piston displacement, cu. in.	351		428
Bore spacing (C to C)	4.38		4.63
No. system	L. Bank	5-6-7-8	
(front to rear)	R. Bank	1-2-3-4	
Firing order	1-3-7-2-6-5-4-8		1-5-4-2-6-3-7-8
Compres. ratio ^(Max.)	(9.5)	9.5:1 (2V), 11.0:1 (4V)	10.6:1
Cylinder Head Material	Cast Iron		
Cylinder Block Material	Cast Iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	40°		4° 40'
Taxable horsepower $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	51.2		54.58
Publishing max. bhp* @ eng. RPM	250 @ 4600	250 @ 4600 (2V) 300 @ 5400 (4V)	335 @ 5200
Publishing max. torque* (lb. ft. @ RPM)	355 @ 2600	355 @ 2600 (2V) 380 @ 3400 (4V)	440 @ 3400
Recommended fuel regular – premium	Regular	Regular (2V) Premium (4V)	Premium

ENGINE – PISTONS

Material	Aluminum Alloy with Steel Struts		
Description and finish	Autothermic, Slipper Skirt, Cam Ground, and Tin Plated		
Weight (piston only) oz.	22.86	21.51	25.11
Clearance (limits)	Top land	.0304-.0408	.0240-.0316
	Skirt	Top	.0018-.0026 (a)
		Bottom	-
Ring groove depth	No. 1 ring	.202-.209	.199-.214
	No. 2 ring	.202-.209	.199-.214
	No. 3 ring	.184-.191	.187-.202
	No. 4 ring	-	-

* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) At Centerline and 90° to Axis of Pin Hole.

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MODEL	CID	200-1V	ALL MODELS 250-1V	302-2V
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ENGINE – RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil Control
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	#1 Cast Iron Alloy, Straight Face, Inside Bevel, Moly. Filled Groove. #1 302-Cast Iron Alloy, Barrel Face, Molybdenum Filled Groove. #2 Cast Iron Alloy, Straight Face, Scraper Groove, Oxide Coated. (a)
	Width	#1 and #2 (.077-.078)
	Gap	.008-.016 .010-.020
Oil	Description - material, coating, etc.	Multi-Piece: Two Rails and One Spacer-Expander. Rails: Steel (SAE-1070) Chrome Plated, Black Oxide Coated. Spacer-Expander: Steel (AISI-C-1075)
	Width	.188
	Gap	.015-.055 Rails Only
Expanders		Part of Oil Ring Assembly

ENGINE – PISTON PINS

Material	Steel (SAE 5015) Heat Treated		
Length	3.040-3.010		
Diameter	.9124-.9118 Select Fit		
Type	Locked in rod, in piston, floating, etc.	Press Fit in Rod	
	Bush- ing	In rod or piston	None
		Material	---
Clearance	In piston	.0003-.0005 .0002-.0004	
	In rod	Press Fit	
Direction & amount offset in piston	Right .090	Right .0625	

ENGINE – CONNECTING RODS

Material	Forged Steel (SAE-1041-H)		
Weight (oz.)	18.69	20.88	19.86
Length (center to center)	4.715	5.88	5.09
Bearing	Material & Type	Unplated Copper-Lead Alloy On Steel Back (Replaceable)	Plated Copper-Lead Alloy on Steel Back (Replaceable)
	Overall length	.790-.810	.706-.726
	Clearance (limits)	.0002-.0024	.0008-.0024 .0008-.0026
	End play	.0035-.0105	.010-.020 (Two Rods)

(a) 302-2V Phosphate Coated.

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MODEL CID 351-2V (Windsor) 351-2V-4V (Cleveland) 428-4V CJ

ENGINE – RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil Control	
	No. 4, oil or comp.	None	
Compression	Description - material, coating, etc.	No. 1 (a) (a) (c) No. 2 (b) (b) (d)	
	Width	(No. 1 & No. 2) .077-.078	
	Gap	(No. 1 & No. 2) .010-.020	
Oil	Description - material, coating, etc.	Multi-Piece: Two Rails and One Spacer-Expander Rails: Steel (SAE-1070) Chrome-Plated and Black Oxide Coated Spacer-Expander: Rustless Steel (SAE-30201) (e)	
	Width	.1845	.1875
	Gap	.015-.055 Rails Only	
Expanders	Part of Oil Ring Assembly		

ENGINE – PISTON PINS

Material	Steel (SAE-5015, Heat Treated Optional SAE-1016)		
Length	3.040-3.010		3.170
Diameter	Select Fit	.9124-.9118	.9754-.9749
Type	Locked in rod, in piston, floating, etc.	Press Fit in Rod	Full Floating Tubular
	Bush- ing	In rod or piston	None
		Material	-
Clearance	In piston	.0002-.0004	.0003-.0005
	In rod	Press Fit	.0001-.0003
Direction & amount offset in piston	Right .0625		

ENGINE – CONNECTING RODS

Material	Forged Steel (SAE-1041-H)		
Weight (oz.)	24.92	27.49	27.08
Length (center to center)	5.956	5.78	6.488
Bearing	Material & Type	Plated Copper – Lead Alloy on Steel Back (Replaceable Insert)	
	Overall length	.706-.726	.724-.734
	Clearance (limits)	.0007-.0025	.0008-.0026
	End play	.010-.020 (2 Rods)	

- (a) Cast Iron Alloy, Barrel Face, Molybdenum Filled Groove
- (b) Cast Iron Alloy, Tapered Face, Scraper Groove, Phosphate Coated
- (c) Cast Iron Alloy, Straight Face, Chrome Plated
- (d) Cast Iron Alloy, Straight Face, Scraper Groove, Phosphate Coated
- (e) Blued Steel (A1S1-C-1075) 428-4V

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MODEL CID 200-1V 250-1V 302-2V

ENGINE – CRANKSHAFT

Material		Nodular Cast Iron Alloy, Precision Molded.			
Vibration damper type		Tuned, Elastic Suspended, Inertia Member.			
End thrust taken by bearing (No.)		Five		Three	
Crankshaft end play		.004-.008		.004-.008	
Main bearing	Material & type	SAE-15 Lead Base Babbitt on SAE-1010 Steel Back (Replaceable)		Plated, Copper-Lead Alloy on Steel Back (Repl. Insert)	
	Clearance	.0007-.0026	.0005-.0022	.0005-.0024	
	Journal dia. and bearing overall length	No. 1	2.2486 x 1.015	2.3986 x .965	2.2486 x .880
		No. 2	2.2486 x 1.015	2.3986 x .965	2.2486 x .880
		No. 3	2.2486 x 1.015	2.3986 x .965	2.2486 x 1.132
		No. 4	2.2486 x 1.015	2.3986 x .965	2.2486 x .880
		No. 5	2.2486 x 1.270	2.3986 x 1.194	2.2486 x .880
		No. 6	2.2486 x 1.015	2.3986 x .965	—
No. 7		2.2486 x 1.015	2.3986 x .965	—	
Dir. & amt. cyl. offset		None		R. B. Leads .84	
Crankpin journal diameter		2.1236		2.1232	

ENGINE – CAMSHAFT

Location		In Block			
Material		Special Alloy Iron, Precision Molded, Induction Hardened, Phosphate Coated			
Bearings	Material	SAE-15 Lead Base Babbitt on SAE-1010 Steel Back (Replaceable)			
	Number	Four		Five	
Gear or chain		Chain			
Type of Drive	Crankshaft gear or sprocket material		Sintered Iron (Steel Optional)		
	Camshaft gear or sprocket material		Cast Iron	Aluminum Body with Molded Nylon Teeth	
	Timing chain	No. of links	50	56	58
		Width	.762 (.875 Alternate)	1.113	.637 (.750 Alt.)
		Pitch	.375		

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard		
Valve rotator, type (intake, exhaust)		Ford Free Turn (Intake and Exhaust)		Two-Piece
Rocker ratio		1.50:1		1.61:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero (.079-.209) (a)	Zero (.095-.195) (a)	Zero (.093-.193) (a)(b)
	Exhaust	Zero (.079-.209) (a)	Zero (.095-.195) (a)	Zero (.093-.193) (a)(b)

(Continued)

(a) Tappets Collapsed

(b) For Manual Transmission Engine. (.067-.167 for Automatic Transmission Engine)

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MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*)

MODEL CID 351-2V (Windsor) 351-2V (Cleveland) 351-4V

ENGINE – CRANKSHAFT

Material		Nodular Cast Iron Alloy, Precision Molded			
Vibration damper type		Tuned, Elastic Suspended, Inertia Member			
End thrust taken by bearing (No.)		Three			
Crankshaft end play		.004-.008 .004-.010			
Main bearing	Material & type		Unplated Copper-Lead Alloy on Steel Back Replaceable Insert		
	Clearance		.0012-.0029 .0009-.0026		
	Journal dia. and bearing overall length	No. 1	2.9998 x .880	2.7488 x .875	
		No. 2	2.9998 x .880	2.7488 x .875	
		No. 3	2.9998 x 1.132	2.7488 x 1.117	
		No. 4	2.9998 x .880	2.7488 x .875	
		No. 5	2.9998 x .880	2.7488 x .875	
	No. 6	-	-	-	
No. 7	-	-	-		
Dir. & amt. cyl. offset		R. B. Leads .84			
Crankpin journal diameter		2.3107			

ENGINE – CAMSHAFT

Location		In Block Above Crankshaft			
Material		Special Alloy Cast Iron, Precision Molded, Induction Hardened, Phosphate Coated			
Bearings	Material	SAE-15 Lead Base Babbitt on SAE-1010 Steel Back (Replaceable)			
	Number	Five			
Type of Drive	Gear or chain		Chain		
	Crankshaft gear or sprocket material		Sintered Iron (Steel Optional)		
	Camshaft gear or sprocket material		Aluminum Die Cast Body with Molded Nylon Teeth		
	Timing chain	No. of links	58	48	
		Width	.637 (.750 Alt.)	.762 (.880 Alt.)	
Pitch		.375	.50		

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard		
Valve rotator, type (intake, exhaust)		Two Piece	None	
Rocker ratio		1.60:1	1.73:1	
Operating tappet clearance (indicate hot or cold)	Intake (a)	Zero (.083-.183)	Zero (.074-.174)	Zero (.067-.167)
	Exhaust (a)	Zero (.083-.183)	Zero (.074-.174)	Zero (.067-.167)

(a) Tappets Collapsed.

(Continued)

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MODEL CID 428-4V CJ

ENGINE – CRANKSHAFT

Material	Nodular Cast Iron Alloy, Precision Molded			
Vibration damper type	Tuned, Elastic Suspended, Inertia Member			
End thrust taken by bearing (No.)	Three			
Crankshaft end play	.004-.010			
Main bearing	Material & type	Plated Copper-Lead Alloy on Steel Back. Replaceable Insert		
	Clearance	.0005-.0025		
	Journal dia. and bearing overall length	No. 1	2.7488 x .907	
		No. 2	2.7488 x .907	
		No. 3	2.7488 x 1.117	
		No. 4	2.7488 x .907	
		No. 5	2.7488 x .907	
No. 6		-		
Dir. & amt. cyl. offset	Right Bank Leads .88			
Crankpin journal diameter	2.4384			

ENGINE – CAMSHAFT

Location	In Block Above Crankshaft			
Material	Special Alloy Cast Iron, Precision Molded, Induction Hardened, Phosphate Coated			
Bearings	Material	SAE-15 Lead Base Babbitt on SAE-1010 Steel Back. Replaceable		
	Number	Five		
Type of Drive	Gear or chain	Chain		
	Crankshaft gear or sprocket material	Sintered Iron (Steel Optional)		
	Camshaft gear or sprocket material	Aluminum Die Cast Body with Molded Nylon Teeth		
	Timing chain	No. of links	48	
		Width	.875 (.890 Alternate)	
Pitch		.50		

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)	Standard		
Valve rotator, type (intake, exhaust)	None		
Rocker ratio	1.73:1		
Operating tappet clearance (indicate hot or cold)	Intake (a)	Zero (.119-.219)	
	Exhaust (a)	Zero (.119-.219)	

(a) Tappets Collapsed

(Continued)

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MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MODEL	CID	200-1V	250-1V	302-2V
		ALL MODELS		

ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	9	10	16	
		Closes (°ABC)	51	62	70	
		Duration - deg.	240	252	266	
	Exhaust	Opens (°BBC)	42	49	44	
		Closes (°ATC)	18	25	20	
		Duration - deg.	240	254	244	
Valve opening overlap		27	35	36		
Intake	Material		Steel (SAE-1047) Aluminized Head, Chrome Plated Stem (a)			
	Overall length		4.26		5.050	
	Actual overall head dia.		1.660-1.642		1.788-1.773	
	Angle of seat & face		Seat 44° 30' to 45° 00' Face 45° 30' to 45° 45'			
	Seat insert material		None			
	Stem diameter		.3107-.3100		.3423-.3416	
	Stem to guide clearance		.0008-.0025		.0010-.0027	
	Lift (± zero lash)		.348	.368		
	Outer spring press. & length	Valve closed (lb. ± in.)	51-57 @ 1.59		76-84 @ 1.69	
		Valve open (lb. ± in.)	142-158 @ 1.22		190-210 @ 1.31	
	Inner spring press. & length	Valve closed (lb. ± in.)	None			
		Valve open (lb. ± in.)	None			
	Exhaust	Material		Cast Austenitic Steel, Aluminized Head, Chrome Plated Stem & Foot (a)		
		Overall length		4.26		4.99 Plus .06 Cap
Actual overall head dia.		1.399-1.381		1.457-1.442		
Angle of seat & face		Seat 44° 30' to 45° 00' Face 45° 30' to 45° 45'				
Seat insert material		None				
Stem diameter		.3105-.3098		.3418-.3411		
Stem to guide clearance		.0010-.0027		.0015-.0032		
Lift (± zero lash)		.348	.368	.380		
Outer spring press. & length		Valve closed (lb. ± in.)	51-57 @ 1.59		76-84 @ 1.69	
		Valve open (lb. ± in.)	142-158 @ 1.22		190-210 @ 1.31	
Inner spring press. & length		Valve closed (lb. ± in.)	None			
		Valve open (lb. ± in.)	None			

ENGINE - LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash
	Cylinder walls	Pressure Stream, Splash

(a) 250-1V does not use Chrome Plate.

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MODEL	CID	351-2V (Windsor)	351-2V (Cleveland)	351-4V (Cleveland)
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ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	11	12	18	
		Closes (°ABC)	65	66	70	
		Duration - deg.	256	258	268	
	Exhaust	Opens (°BBC)	68	66	81	
		Closes (°ATC)	22	20	19	
		Duration - deg.	270	266	280	
Valve opening overlap		33	32	37		
Intake	Material		#1 Sil-Chrome, Aluminized Head (a)			
	Overall length		5.070	5.231		
	Actual overall head dia.		1.849-1.834	2.046	2.195	
	Angle of seat & face		Seat: 44° 30'-45°, Face: 45° 30'-45°			
	Seat insert material		None			
	Stem diameter		.3423-.3416			
	Stem to guide clearance		.0010-.0027			
	Lift (± zero lash)		.418	.400	.430	
	Outer spring press. & length	Valve closed (lb. ± in.)	79-87 @ 1.79	80 @ 1.82	90 @ 1.82	
		Valve open (lb. ± in.)	204-226 @ 1.34	210 @ 1.42	285 @ 1.39	
	Inner spring press. & length	Valve closed (lb. ± in.)	Damper Only			
		Valve open (lb. ± in.)	Damper Only			
	Exhaust	Material		21-4N Steel, Aluminized Head, Chrome Plated Stem and Foot (b)		
		Overall length		5.070	5.050	
Actual overall head dia.		1.548-1.533	1.6595	1.7145		
Angle of seat & face		Seat: 44° 30'-45°, Face: 45° 30'-45° 45'				
Seat insert material		None				
Stem diameter		.3418-.3411				
Stem to guide clearance		.0015-.0032				
Lift (± zero lash)		.448	.400	.450		
Outer spring press. & length		Valve closed (lb. ± in.)	79-87 @ 1.79	80 @ 1.82	90 @ 1.82	
		Valve open (lb. ± in.)	204-226 @ 1.34	210 @ 1.42	265 @ 1.37	
Inner spring press. & length		Valve closed (lb. ± in.)	None		Damper Only	
		Valve open (lb. ± in.)	None		Damper Only	

ENGINE - LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Timed Pressure Stream
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Metered Pressure
	Cylinder walls	Oil Mist and Splash

(a) 21-4N Steel (351-2V Windsor)

(a) Chrome Plated Stem (351-4V Cleveland)

(Continued) (b) No Chrome Plate (351-2V W&C)

(b) Chrome Plate Stem (351-4V Cleveland)

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*)

MODEL CID 428-4V CJ

ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	18	
		Closes (°ABC)	72	
		Duration - deg.	270	
	Exhaust	Opens (°BBC)	82	
		Closes (°ATC)	28	
		Duration - deg.	290	
Valve opening overlap			46	
Material			#1 Sil-Chrome, Aluminized Head, Chrome Plated Stem and Foot	
Overall length			5.446	
Actual overall head dia.			2.097-2.082	
Angle of seat & face			Seat: 59° 30'-60° - Face: 60° 30'-60° 45'	
Seat insert material			None	
Stem diameter			.3718-.3711	
Stem to guide clearance			.0010-.0027	
Intake	Lift (∓ zero lash)			.481
	Outer spring press. & length	Valve closed (lb. ∓ in.)	86-94 @ 1.82	
		Valve open (lb. ∓ in.)	271-299 @ 1.34	
	Inner spring press. & length	Valve closed (lb. ∓ in.)	Damper Only	
		Valve open (lb. ∓ in.)	Damper Only	
	Material			21-4N Steel, Aluminized Head, Chrome Plated Stem and Foot
Overall length			5.426	
Actual overall head dia.			1.660-1.645	
Angle of seat & face			Seat: 44° 30'-45° - Face: 45° 30'-45° 45'	
Seat insert material			None	
Stem diameter			.3708-.3701	
Stem to guide clearance			.0020-.0037	
Exhaust	Lift (∓ zero lash)			.489
	Outer spring press. & length	Valve closed (lb. ∓ in.)	86-94 @ 1.82	
		Valve open (lb. ∓ in.)	271-299 @ 1.34	
	Inner spring press. & length	Valve closed (lb. ∓ in.)	Damper Only	
		Valve open (lb. ∓ in.)	Damper Only	

ENGINE – LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash
	Cylinder walls	Oil Mist and Splash

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR	MUSTANG	MODEL YEAR	1970	DATE ISSUED	9/69	REVISED (•)
MODEL		CID		ALL MODELS		
		200-1V	250-1V	302-2V		

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor	
Normal oil pressure (lb. @ engine rpm)	35-55 psi @ 2000 Engine rpm	
Oil press. sending unit (elect. or mech.)	Electrical	
Type oil intake (floating, stationary)	Stationary Shrouded Screen in Sump	
Oil filter system (full flow, part., other)	Full Flow	
Filter replacement (element, complete)	Complete	
Capacity of c/case, less filter-refill (qt.)	4.0	
Oil grade recommended (SAE viscosity and temperature range)	Multi-Viscosity	Single Viscosity
	+32°F & Above - SAE 20W-40	+90°F & Above - SAE 40
	0° and Above - SAE 10W-40	+32°F to +90°F - SAE 30
	-10°F to +90°F - SAE 10W-30	+10°F to +32°F - SAE 20-20W
	Below -10°F (-32° Max) SAE 5W-30	-10°F to +10°F - SAE 10-10W
Engine Service Reqmt. (MM, MS, etc.)	MS	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	
Muffler No. & type (reverse flow, straight thru, separate resonator)	One Reverse Flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.00 x .084 Lam.
	Main	2.00 x .075 Solid
Tail pipe dia. (O.D. & wall thickness)	2.00 x .060 Solid	

ENGINE – CRANKCASE VENTILATION SYSTEM

	Type (ventilates to atmos., induction system, other)	Standard	Induction System (Closed System)
		Optional	None
Control Unit	Make and model	Ford AC, Chicago Screw, or Eaton	
	Location	Rocker Cover	
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable Orifice	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Carburetor Spacer and/or Carburetor Air Cleaner	
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner	
	Flame arrestor (screen, check valve, other)	Emission Valve and Air Cleaner Filter	

AMA Specifications—Passenger Car

MAKE OF CAR	MUSTANG	MODEL YEAR	1970	DATE ISSUED	9/69	REVISED (●)11/69
MODEL	CID	351-2V (Windsor)	351-2V-4V (Cleveland)	ALL MODELS	428-4V CJ	

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor	
Normal oil pressure (lb. - engine rpm)	50-70 psi @ 2000 Engine rpm	45-65 psi @ 2000
Oil press. sending unit (elect. or mech.)	Electrical	
Type oil intake (floating, stationary)	Stationary Shrouded Screen in Sump	
Oil filter system (full flow, part., other)	Full Flow	
Filter replacement (element, complete)	Complete	
Capacity of c/case, less filter-refill (qt.)	4.0	
Oil grade recommended (SAE viscosity and temperature range)	Multi-Viscosity +32°F & Above — SAE 20W-40 0° and Above — SAE 10W-40 -10°F to +90°F — SAE 10W-30 Below -10°F (-32° Max) SAE 5W-30	Single Viscosity +90°F & Above — SAE 40 +32°F to +90°F — SAE 30 +10°F to +32°F — SAE 20-20W -10°F to +10°F — SAE 10-10W
Engine Service Reqmt. (MM, MS, etc.)	MS	

ENGINE – EXHAUST SYSTEM

		351-2V	351-4V	428-4V
Type (single, single with cross-over, dual, other)		Single	Dual	
Muffler No. & type (reverse flow, straight thru, separate resonator)		One Reverse Flow	2 Two-Pass Reverse Flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.25x.084 Lam.	2.25x.084 Lam.	
	Main	2.25x.075 Solid	2.25x.075 Solid	
Tail pipe dia. (O.D. & wall thickness)		2.25x.060 Solid	2.25x.060 Solid	

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction System (Closed System)
	Optional	None
Control Unit	Make and model	Ford AC, Chicago Screw, or Eaton
	Location	Rocker Cover
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)	Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Carburetor Spacer and/or Carburetor Air Cleaner (Except 351-2V & 4V Cleveland) (a)
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner
	Flame arrestor (screen, check valve, other)	Emission Valve and Air Cleaner Filter

(a) For 351-2V/4V Cleveland; Carburetor Body (Primaries 4V) and/or Carburetor Air Cleaner.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MANUAL TRANSMISSION

MODEL CID 200-1V 250-1V 302-2V

ENGINE – EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Engine, Carburetor and Distributor Modifications			
Air Injection Pump	Type	None			
	Displacement				
	Drive ratio				
	Drive type				
	Relief valve (type)				
	Filter (describe)				
Air Injection System	Air distribution (head, manifold, etc.)	None			
	Point of entry				
	Injection tube I.D.				
	Check valve type				
	Backfire protection (type)				
Carburetor (a)	Make	Carter		Autolite	
	Model	D0DF-9510-M	D0ZF-9510-C	D0AF-9510-C	
	Barrel size	1.688	1.688	1.564	
	Idle speed	Drive	—	—	—
		Neutral	750		650
	Idle A/F mixture	.090 @ 9.0 CFM	.085 @ 11.5 CFM	N.A.	
	Aux. Adv. Systems (type)	See Page 13			
Distributor	Make				
	Model				
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)			
		Intermed. points deg. : rpm			
		Max. deg. : rpm			
	Vacuum adv. in crank degrees : eng. rpm	Start (in Hg)			
Intermed. points deg. : in. Hg Max. deg. : in.					
	Vacuum Source	Carburetor			
	Timing - Crank degrees : rpm	6° BTC @ Idle (Vacuum Disconnected)			
	Cooling System	See Page 11			
	Exhaust System	See Page 8			

(a) See Page 10 for Carburetor Supplementary Information.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (a) 11/69

AUTOMATIC TRANSMISSION

MODEL CID 200-1V 250-1V 302-2V

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Engine, Carburetor and Distributor Modifications			
Air Injection Pump	Type	None			
	Displacement				
	Drive ratio				
	Drive type				
	Relief valve (type)				
	Filter (describe)				
Air Injection System	Air distribution (head, manifold, etc.)	None			
	Point of entry				
	Injection tube I.D.				
	Check valve type				
	Backfire protection (type)				
Carburetor (a)	Make	Carter		Autolite	
	Model	D0DF-9510-L	D0ZF-9510-F	D0AF-9510-D	
	Barrel size	1.688	1.688	1.564	
	Idle speed	Drive	550		
		Neutral	-	-	-
Idle A/F mixture	.095 @ 8.5 CFM	.088 @ 9.5 CFM	N.A.		
	Aux. Adv. Systems (type)	See Page 13			
Distributor	Make				
	Model				
	Centrifugal adv. in crank degrees @ eng. rpm	Start (rpm)			
		Intermed. points deg. @ rpm			
		Max. deg. @ rpm			
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)			
Intermed. points deg. @ in. Hg					
Max. deg. @ in.					
Vacuum Source	Carburetor				
Timing - Crank degrees @ rpm	6° BTC @ Idle (Vacuum Disconnected)				
Cooling System	See Page 11				
Exhaust System	See Page 8				

(a) See Page 10 for Carburetor Supplementary Information

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MANUAL TRANSMISSION

MODEL CID 351-2V (Windsor) 351-2V (Cleveland) 351-4V (Cleveland)

ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Engine, Carburetor and Distributor Modifications			
Air Injection Pump	Type	None			
	Displacement				
	Drive ratio				
	Drive type				
	Relief valve (type)				
Filter (describe)					
Air Injection System	Air distribution (head, manifold, etc.)	None			
	Point of entry				
	Injection tube I.D.				
	Check valve type				
Backfire protection (type)					
Carburetor (a)	Make	Autolite			
	Model	D0AF-9510-E	D0OF-9510-K	D0OF-9510-AB	
	Barrel size	1.689		1.565 Pri., 1.690 Sec.	
	(b) Idle speed	Drive	—	—	—
		Neutral	800	750	800
Idle A/F mixture		N. A.	.078 @ 19.0 CFM	.076 @ 20.0 CFM	
Aux. Adv. Systems (type)		See Page 13			
Distributor	Make				
	Model				
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)			
		Intermed. points deg. @ rpm			
		Max. deg. @ rpm			
Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)				
	Intermed. points deg. @ in. Hg Max. deg. @ in.				
Vacuum Source		Carburetor			
Timing - Crank degrees @ rpm		6° BTC @ Idle (Vacuum Disconnected)			
Cooling System		See Page 11			
Exhaust System		See Page 8			

(a) See Page 10 for Carburetor Supplementary Information.
 (b) Lights and A/C on where applicable.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*)11/69

MODEL CID AUTOMATIC TRANSMISSION
351-2V (Windsor) 351-2V (Cleveland) 351-4V (Cleveland)

ENGINE-- EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Engine, Carburetor and Distributor Modifications			
Air Injection Pump	Type	None			
	Displacement				
	Drive ratio				
	Drive type				
	Relief valve (type)				
	Filter (describe)				
Air Injection System	Air distribution (head, manifold, etc.)	None			
	Point of entry				
	Injection tube I.D.				
	Check valve type				
	Backfire protection (type)				
Carburetor (a)	Make	Autolite			
	Model	D0AF-9510-F	D00F-9510-L	D00F-9510-AC	
	Barrel size	1.689		1.565 Pri., 1.690 Sec.	
	Idle speed	Drive	550	600	600
		Neutral	—	—	—
Idle A/F mixture	N.A	.088 @ 15.0 CFM	.082 @ 16.0 CFM		
Aux. Adv. Systems (type)		See Page 13			
Distributor	Make				
	Model				
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)			
		Intermed. points deg. @ rpm			
		Max. deg. @ rpm			
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)			
Intermed. points deg. @ in. Hg					
Max. deg. @ in.					
Vacuum Source		Carburetor			
Timing - Crank degrees @ rpm		6° BTC @ Idle (Vacuum Disconnected)			
Cooling System		See Page 11			
Exhaust System		See Page 8			

(a) See Page 10 for Carburetor Supplementary Information.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (•) 11/69
 MODEL CID 428-4V CJ 428-4V CJ
 MANUAL TRANSMISSION AUTOMATIC TRANSMISSION

ENGINE – EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air Injection, Engine, Carburetor & Distributor Modifications		
Air Injection Pump	Type	Positive Displacement, Vane Type		
	Displacement	19.3 Cubic Inches Per Revolution		
	Drive ratio	1.21:1 (1.25:1 with A/C)		
	Drive type	V-Belt and Pulley		
	Relief valve (type)	Pressure Sensitive-Poppet		
	Filter (describe)	Centrifugal		
Air Injection System	Air distribution (head, manifold, etc.)	Manifold		
	Point of entry	Exhaust Ports in Cylinder Heads		
	Injection tube I.D.	.260		
	Check valve type	Spring Load Plate-Poppet		
	Backfire protection (type)	Air By-Pass or Anti-Backfire Valve		
Carburetor	Make	Holley		
	Model -9510-	D0Z F-AA	D0Z F-AB	
	Barrel size	1.69 Primary & Secondary		
	(a) Idle speed (b)	Drive	— 675	
		Neutral	725 —	
	Idle A/F mixture	.087 @ 19.0 CFM .087 @ 18.0 CFM		
	Aux. Adv. Systems (type)	See Page 13		
Distributor	Make			
	Model			
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)		
		Intermed. points deg. @ rpm		
		Max. deg. @ rpm		
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)		
		Intermed. points deg. in. Hg		
Max. deg. in.				
	Vacuum Source	Carburetor		
Timing - Crank degrees @ rpm		6° BTC Idle (Vacuum Disconnected)		
Cooling System		See Page 11		
Exhaust System		See Page 8		

(a) See Page 10 for Carburetor Supplementary Information.

(b) With Lights and Air Conditioning On.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG **MODEL YEAR** 1970 **DATE ISSUED** 9/69 **REVISED** (*) 11/69

	ALL MODELS						
MODEL	CID	200-1V	250-1V	302-2V	351-2V	351-4V	428-4V

ENGINE - FUEL SYSTEM (See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor (Downdraft)					
Fuel Tank	Refill capacity (U.S. gals.)	22 Gal. (With Evaporative Emission, 20 Gal.)					
	Filler location	Rear Center of Car					
Fuel Pump	Type (elec. or mech.)	Mechanical					
	Locations	Left Side of Engine					
	Pressure range	4.5-5.5				5.0-6.0	
Vacuum booster (std., optional, none)		None					
Fuel Filter	Type	#1 Saran Plastic			#2 Nylon & Monel Cloth		
	Locations	#1 in Fuel Tank (Permanent)			#2 In-Line at Carburetor		
Carburetor	Choke type	Automatic					Manual
	Intake manifold heat control (exhaust or water)	Hot and Cold Air Supply					Exhaust
	Air cleaner type	Standard	Dry Replaceable Element				
	Idle speed (spec. neutral or drive)	Manual	750	650	750	800	725
(a)	Automatic	550		600		675	
	Idle A/F mix.	See Page 9 and Supplements					

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors -9510-		No. Used and Type	Barrel Size	
			Make	Model			
	200	Manual	Carter	D0DF-M	One-1V	1.6875	
	200	Automatic	Carter	D0DF-L	One-1V	1.6875	
With A/C	200	Manual	Carter	D0DF-T	One-1V	1.6875	
With A/C	200	Automatic	Carter	D0DF-V	One-1V	1.6875	
	250	Manual	Carter	D0ZF-C	One-1V	1.6875	
	250	Automatic	Carter	D0ZF-F	One-1V	1.6875	
With A/C	250	Manual	Carter	D0ZF-C	One-1V	1.6875	
With A/C	250	Automatic	Carter	D0ZF-D	One-1V	1.6875	
With A/C	302	Manual	Autolite	D0AF-C	One-2V	1.564	
	302	Automatic	Autolite	D0AF-D	One-2V	1.564	
	302	Automatic	Autolite	D0AF-U	One-2V	1.564	
(W)	351	Manual	Autolite	D0AF-E	One-2V	1.689	
(W)	351	Automatic	Autolite	D0AF-F	One-2V	1.689	
With A/C	(W)	351	Automatic	Autolite	D0AF-V	One-2V	1.689
All	(C)	351	Manual	D0OF-K	One-2V	1.689	
(C)	351	Automatic	Autolite	D0OF-L	One-2V	1.689	
With A/C	(C)	351	Automatic	Autolite	D0OF-M	One-2V	1.689
All	(C)	351	Manual	D0OF-AB	One-4V	1.565 Pri.	
(C)	351	Automatic	Autolite	D0OF-AC	One-4V	1.690 Sec.	
With A/C	(C)	351	Automatic	Autolite	D0OF-AD	One-4V	1.565 Pri.
						1.690 Sec.	
With A/C	428	Manual	Holley	D0ZF-AA	One-4V	1.687 Pri.	
	428	Automatic	Holley	D0ZF-AB	One-4V	1.687 Sec.	
With A/C	428	Manual	Holley	D0ZF-AC	One-4V	1.687 Pri.	
With A/C	428	Automatic	Holley	D0ZF-AD	One-4V	1.687 Sec.	

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MODEL CID 200-1V ALL MODELS 250-1V

ENGINE – COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure				
Radiator cap relief valve pressure		12-16 PSI				
Circulation thermostat	Type (choke, bypass)	Choke - Poppet or Sleeve Valve				
	Starts to open at (°F)	188-195 (Full Open 212)				
Water pump	Type (centrifugal, other)	Centrifugal				
	GPM : 1000 pump rpm	8	11			
	Number of pumps	One				
	Drive (V-belt, other)	V-Belt				
Bearing type		Double Row, Sealed, Ball and Ball				
By-pass recirculation type (inter., ext.)		Internal				
Radiator core type (cellular, tube and fin, other)		Down-Flow, Tube and Slit Fin				
Cooling system capacity	With heater (qt.)	9.0	9.8			
	Without heater (qt.)	8.0	8.8			
	Opt. equipment-specify (qt.)	9.0 with E. C.	9.8 with A/C or E. C.			
Water jackets full length of cyl. (yes, no)		Yes				
Water all around cylinder (yes, no)		Yes				
Radiator hose	Lower	Number and type (molded, straight)	One, Molded			
		Inside diameter	1.25 @ Radiator 1.50 @ W. Pump	1.75 @ Radiator 1.87 @ Water Pump		
	Upper	Number and type (molded, straight)	One, Molded			
		Inside diameter	1.25	1.50		
By-pass Package	Number and type (molded, straight)	None				
	Inside diameter	1 or 2	4	1 or 2	4	
Fan	Number of blades & spacing	5 Uneven	N/A	4 Uneven	6 Uneven	
	Diameter	16.50 x 1.75		17.10x1.75	17.00x1.75	
	Ratio-fan to crankshaft rev.	1.04:1			1.18:1	
	Fan cutout type	None			Thermo-Modulated	
Bearing type		Sealed, Ball & Ball (Water Pump Bearing)				
* Drive belts (indicate belt used by letter)	Generator or alternator	A	C	E	E	
	Water Pump and Fan	A	C	E	E	
	Power Steering	B	D		D	
	Air Conditioning			E	E	
	Crankshaft	A B	C D	E	ED	
Idler						

* Drive Belt Dimensions	A	B	C	D	# E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°						
Nominal length (SAE)	34.00	41.00	42.50	45.25	48.25						
Width	15/32	15/32	15/32	15/32	15/32						

1. Std. Cooling. 2. Extra Cooling. 3. Power Steering. 4. Air Conditioning.
Dual Belts

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)11/69

MODEL CID 302-2V ALL MODELS

ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure	
Radiator cap relief valve pressure	12-16 PSI	
Circulation thermostat	Type (choke, bypass)	Choke - Poppet or Sleeve Valve
	Starts to open at (°F)	188-195 (Full Open 212)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM @ 1000 pump rpm	14
	Number of pumps	One
	Drive (V-belt, other)	V-Belt
	Bearing type	Double Row, Sealed, Ball and Roller
By-pass recirculation type (inter., ext.)	External	
Radiator core type (cellular, tube and fin, other)	Downflow, Tube and Slit Fin	
Cooling system capacity	With heater (qt.)	13.5
	Without heater (qt.)	12.5
	Opt. equipment-specify (qt.)	15.0 with Extra Cooling or Air Conditioning
Water jackets full length of cyl. (yes, no)	Yes	
Water all around cylinder (yes, no)	Yes	

Radiator hose	Lower	Number and type (molded, straight)	One, Molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, Molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	One, Molded
		Inside diameter	.615

Cooling Package	Number of blades & spacing	4 Uneven	5 Uneven	7 Uneven
	Diameter	17.56 x 2.25	17.56 x 2.40	17.50 x 2.25
	Ratio-fan to crankshaft rev.	0.96:1	1.13:1	
	Fan cutout type	None	Flex Blade	Thermo-Modulated
	Bearing type	Double Row, Sealed, Ball and Roller (Water Pump Bearing)		

* Drive belts (indicate belt used by letter)	Rock Arrangement	1 or 2	1 or 2 & 3	1 or 2	1 or 2 & 3	4	3 & 4
	Generator or alternator	A	B	A	B	B	B
	Water Pump and Fan	A	C	A	C	D	E
	Power Steering		C		C		E
	Air Conditioning					F	F
	Crankshaft Idler	A	BC	A	BC	BDE DF	BEF F

1. Standard Cooling 2. Extra Cooling 3. Power Steering 4. Air Conditioning

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°					
Nominal length (SAE)	42.50	39.00	51.50	46.75	50.50	55.75					
Width	15/32	15/32	1/2	1/2	1/2	1/2					

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9-69 REVISED ^(*) 11/69

MODEL CID 351-2V (Windsor) ALL MODELS

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure						
Radiator cap relief valve pressure		12-16 PSI						
Circulation thermostal	Type (choke, bypass)	Choke-Poppet or Sleeve Valve						
	Starts to open at (°F)	188-195 (Full Open 212)						
Water pump	Type (centrifugal, other)	Centrifugal						
	GPM @ 1000 pump rpm	14						
	Number of pumps	One						
	Drive (V-belt, other)	V-Belt						
Bearing type		Double Row, Sealed, Ball and Roller						
By-pass recirculation type (inter., ext.)		External						
Radiator core type (cellular, tube and fin, other)		Downflow, Tube and Slit Fin						
Cooling system capacity	With heater (qt.)	14.6						
	Without heater (qt.)	13.6						
	Opt. equipment-specify (qt.)	16.1 with Extra Cooling or Air Conditioning						
Water jackets full length of cyl. (yes, no)		Yes						
Water all around cylinder (yes, no)		Yes						
Radiator hose	Lower	Number and type (molded, straight)	One, Molded					
		Inside diameter	1.75					
	Upper	Number and type (molded, straight)	One, Molded					
		Inside diameter	1.50					
	By-pass	Number and type (molded, straight)	One, Molded					
		Inside diameter	.615					
Cooling Package		Man. Trans.	Auto. Trans.	Air Conditioning				
Fan	Number of blades & spacing		4 Uneven	5 Uneven	7 Uneven			
	Diameter		17.56 x 2.25	17.56 x 2.40	17.50 x 2.25			
	Ratio-fan to crankshaft rev.		0.96:1	1.13:1				
	Fan cutout type		None	Flex Blade	Thermo-Modulated			
	Bearing type		Double Row, Sealed, Ball and Roller (Water Pump Bearing)					
*Drive belts (indicate belt used by letter)	For Arrangement		1 or 2	1 or 2 & 3	1 or 2	1 or 2 & 3	4	3 & 4
	Generator or alternator		A	B	A	B	B	B
	Water Pump and Fan		A	C	A	C	D	E
	Power Steering			C		C		E
	Air Conditioning						F	F
	Crankshaft		A	B C	A	B C	BDF	BEF
Idler						DF	F	

1. Standard Cooling 2. Extra Cooling 3. Power Steering 4. Air Conditioning

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°					
Nominal length (SAE)	42.50	39.00	53.50	46.75	52.75	55.75					
Width	15/32	15/32	1/2	1/2	1/2	1/2					

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*) 11/69

MODEL CID 351-2V and 4V (Cleveland) ALL MODELS

ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure						
Radiator cap relief valve pressure		12-16 PSI						
Circulation thermostat	Type (choke, bypass)	Choke - Poppet or Sleeve Valve						
	Starts to open at (°F)	188-195 (Full Open 212)						
Water pump	Type (centrifugal, other)	Centrifugal						
	GPM @ 1000 pump rpm	13						
	Number of pumps	One						
	Drive (V-belt, other)	V-Belt						
	Bearing type	Double Row, Sealed, Ball and Roller						
By-pass recirculation type (inter., ext.)		Internal						
Radiator core type (cellular, tube and fin, other)		Downflow, Tube and Slit Fin						
Cooling system capacity	With heater (qt.)	14.6						
	Without heater (qt.)	13.6						
	Opt. equipment-specify (qt.)	16.1 with Extra Cooling or Air Conditioning						
Water jackets full length of cyl. (yes, no)		Yes						
Water all around cylinder (yes, no)		Yes						
Radiator hose	Lower	Number and type (molded, straight)	One, Molded					
		Inside diameter	1.75					
	Upper	Number and type (molded, straight)	One, Molded					
		Inside diameter	1.50					
	By-pass	Number and type (molded, straight)	None					
		Inside diameter	Man. Trans.	Auto. Trans.	Air Conditioning			
Fan	Number of blades & spacing	4 Uneven	5 Uneven	7 Uneven				
	Diameter	17.56 x 2.25	17.56 x 2.40	17.50 x 2.25				
	Ratio-fan to crankshaft rev.	0.96:1	1.13:1					
	Fan cutout type	None	Flex Blade	Thermo-Modulated				
	Bearing type	Double Row, Sealed, Ball and roller (Water Pump Bearing)						
* Drive belts (indicate belt used by letter)	fan Arrangement	1 or 2	1 or 2 & 3	1 or 2	1 or 2 & 3	4		3 & 4
	Generator or alternator	A	B	A	B	B		B
	Water Pump and Fan	A	C	A	C	D		E
	Power Steering		C		C			E
	Air Conditioning						F	F
	Crankshaft	A	BC	A	BC	BDF		BEF
Idler					DF		F	

1. Standard Cooling 2. Extra Cooling 3. Power Steering 4. Air Conditioning

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°					
Nominal length (SAE)	42.50	39.00	52.25	46.75	51.25	55.75					
Width	15/32	15/32	1/2	1/2	1/2	1/2					

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (●)11/69

MODEL CID 428-4V CJ

ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure		
Radiator cap relief valve pressure		12-16 PSI		
Circulation thermostat	Type (choke, bypass)	Choke - Poppet or Sleeve Valve		
	Starts to open at (-F)	188-195 (Full Open 212)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM @ 1000 pump rpm	17		
	Number of pumps	One		
	Drive (V-belt, other)	V-Belt		
Bearing type		Double Row, Sealed, Ball and Ball		
By-pass recirculation type (inter., ext.)				
Radiator core type (cellular, tube and fin, other)		Downflow, Tube and Slit Fin		
Cooling system capacity	With heater (qt.)	19.3		
	Without heater (qt.)	18.3		
	Opt. equipment-specify (qt.)	19.3 with Air Conditioning		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, Molded	
		Inside diameter	1.75 at Radiator: 2.07 at Water Pump	
	Upper	Number and type (molded, straight)	One, Molded	
		Inside diameter	1.50 at Radiator: 1.75 at Engine Water Outlet	
By-pass	Number and type (molded, straight)	One, Straight		
	Inside diameter	.615	(a)	(b) Air Conditioning
Fan	Number of blades & spacing	7 Uneven	6 Uneven	7 Uneven
	Diameter	18.00 x 1.80	18.00 x 2.00	18.25 x 2.00
	Ratio-fan to crankshaft rev.	0.94:1		1.25:1
	Fan cutout type	Flex Blade		Thermo-Modulated
Bearing type		Double Row, Sealed, Ball and Ball (Water Pump Bearing)		
K&K Arrangement		1 or 2 & 3	1 or 2 & 3	4 3 & 4
* Drive belts (indicate belt used by letter)	Generator or alternator	A	A	D F
	Water Pump and Fan	AB	AB	D FG
	Power Steering	C	C	G
	Air Conditioning			E E
Crankshaft		A C	A C	D E EFG
Idler or Air Pump		B	B	E E

1. Standard Cooling 2. Extra Cooling 3. Power Steering 4. Air Conditioning

* Drive Belt Dimensions	# A	B	C	# D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°	36°				
Nominal length (SAE)	42.00	35.00	44.00	41.00	62.75	41.00	51.50				
Width	15/32	15/32	1/2	15/32	1/2	15/32	15/32				

(a) For up to 3.91:1 Rear Axle Ratio. (b) with 4.30:1 Rear Axle Ratio # Dual Belts

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*)

MODEL CID 200-1V 250-1V 302-2V 351-2V-4V 428-4V CJ

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model -10655-(a)		C9AF-A	C9AF-D
	Voltage Rtg. & Total Plates		12V. 54 Pl.	12V. 78 Pl.
	SAE Designation & Amp. Hr. Rtg.		17M1A, 45A	17H3A, 80A
	Location		Right Front Engine Compartment	
	Terminal grounded		Negative	
Generator or Alternator	Make		Autolite Alternator	
	Model -10300-		See Page 12A	
	Type and rating		3 Phase, Full Wave Bridge Rectified, Self Limiting	
	Output at engine idle (neutral)			
Ratio-Gen. to Cr/s rev.		See Page 12A		
Regulator	Make		Autolite	
	Model		C8AF-10316-A (C8TF-10316-A with 55 Amp + Alternator)	
	Type		Two Unit, Voltage Control and Field Relay	
	Cutout relay	Closing voltage : generator rpm	2.5-4.0 Volts at 75°F	
		Reverse current to open	Not Applicable	
	Regu- lated	Voltage	13.5-15.3 @ 50°-125°F on Lower Contacts (Shorting Stage)	
		Current	Not Applicable	
	Voltage test conditions	Temperature	75°F	
		Load	5 Amps	
		Other	-	

ELECTRICAL – STARTING SYSTEM

Starting Motor	Make		Autolite (Manual Transmission)				
	Model -11001-(a)		See Page 12A				
	Rotation (drive end view)		Clockwise				
Motor control	Switch (solenoid, manual)		Solenoid				
	Starting procedure						
Motor Drive	Engagement type		Positive (Electro-Mechanical)				
	Pinion meshes (front, rear)		Front				
	Number of teeth	Pinion	9				
		Flywheel	Manual	136	157	164	164
	Auto.		132	157	157	164	184
	Flywheel tooth face width	Manual	.365				
Auto.		.365					

(a) For Other Applications See Page 12A.

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (11/69)

MODEL _____

BATTERY APPLICATIONS (-10655-)

<u>Engine — CID</u>	<u>Transmission</u>	<u>Air Cond.</u>	<u>Standard</u>	<u>Optional</u>
200-6	Man. & Auto.	N.A.	C9AF-A (45AH)	70AH
250-6	Man. & Auto.	#	C9AF-A (45AH)	55AH
302-8	Man. & Auto.	#	C9AF-A (45AH)	55AH
351-2V	Manual	#	C9AF-A (45AH)	55AH
351-2V	Automatic	#	C9AF-B (55AH)	C9AF-C (70AH)
351-4V	Man. & Auto.	#	C9AF-C (70AH)	None
428-4V CJ	Man. & Auto.	#	C9AF-D (80AH)	None

With or Without Air Conditioning

ALTERNATOR APPLICATIONS (-10300-)

<u>Engine — CID</u>	<u>Standard</u>	<u>Ratio</u>	<u>Air Conditioned</u>	<u>Ratio</u>
200-6	D0AF-C (42A)	2.3	N.A.	
250-6	D0ZF-B (38A)	2.6	D0AF-H (55A)	2.6
No P/S 302-351-8	D0AF-G (42A)	2.5	D0SF-A (55A)	3.0
P/S 302-351-8	D0ZF-B (38A)	3.0	D0SF-A (55A)	3.0
428	D0ZF-C (55A)	2.54	D0ZF-C (55A)	2.73

STARTING MOTOR APPLICATIONS (-11001-)

<u>Engine — CID</u>	<u>Manual Trans.</u>	<u>Auto. Trans.</u>
200-6	D0ZF-B	D0OF-A
250-6	D0ZF-A	D0ZF-A
302-351-8	D0AF-C	D0AF-B
428	D0TF-A	D0TF-A

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (•)

	MANUAL TRANSMISSION	
MODEL	CID	200-1V 250-1V 302-2V

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Standard		
	Transistorized – Std., Opt., N.A.		N.A.		
	Other (specify)		None		
Coil	Make		Autolite		
	Model		FAC-12029-A		
	Amps	Engine stopped	4.5		
Engine idling		2.5			
Distributor (a)	Make		Autolite (69K58)	(70K4)	(70F85)
	Model		-12127-	D0DF-C	D0AF-Y
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	0-4 @ 940	0-4 @ 960	0-4 @ 1525
		Intermediate points deg. @ rpm	18-22 @ 2000 20.25-24.75 @ 3000	11-15 @ 1340 17.8-22.2 @ 3000	12-16 @ 2000 16.0-23.5 @ 3000
		Max. deg. @ rpm	22.5-27.5 @ 4000	25-30 @ 4000	20-25 @ 4000
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	0-2 @ 5.0	0-3 @ 6.3	0-3 @ 8.0
		Intermediate points, deg. @ in. Hg.	0-6 @ 6.5 4.5-10.5 @ 8.0	0-6 @ 7.8 8-14 @ 10.0	0-6 @ 11.0 7-13 @ 15.0 14.5-20.5 @ 20.0
		Max. deg. in. Hg.	9-14 @ 10.5	13-18 @ 12.0	17-22 @ 22.0
	Breaker gap (in.)		.024-.030		
	Cam angle (deg.)		35.0-39.5		
Breaker arm tension (oz.)		17-21			
Timing	Crankshaft deg. @ rpm		6° BTC @ Idle (Vacuum Disconnected)		
	Mark location		Crankshaft Damper		
Spark Plug	Make		Autolite		
	Model		-12405-	FEH-B (BF-82)	C6AF-A (BF-42)
	Thread (mm)		18MM		
	Tightening torque (lb. ft.)		15-25		
Gap		.032-.036			
Cable	Conductor type		Resistance Core Cable		
	Insulation type		Neoprene Sheath		Hypalon
	Spark plug protector		Neoprene Boot		Hypalon

ELECTRICAL – SUPPRESSION

Locations & type	Capacitor in Alternator and Voltage Regulator, Static Collectors in Front Wheels, Resistance Core Ignition Cable & Hood Ground		
Vacuum Retard Characteristics, Crankshaft Degrees at Inches of Mercury	-2 @ 5.6-9.6 -8 @ 7.5-11.5 -10/12 @ 12.0	-2 @ 4.5-8.5 -8 @ 6.6-10.6 -10/12 @ 12.0	-2 @ 4.0-8.0 -8 @ 6.0-10.0 -10/12 @ 11.0

(a) Set with vacuum line off distributor.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (●)

AUTOMATIC TRANSMISSION

MODEL CID 200-1V 250-1V 302-2V

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Standard			
	Transistorized – Std., Opt., N.A.		N.A.			
	Other (specify)		None			
Coil	Make		Autolite			
	Model		FAC-12029-A			
	Amps	Engine stopped	4.5			
Engine idling		2.5				
Distributor	Make		Autolite (69K58)	(70K4)	(70F37)	
	Model		-12127-	D0DF-C	D0OF-A	D0AF-T
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	0-4 @ 940	0-4 @ 960	0-4 @ 1525	
		Intermediate points deg. @ rpm	18-22 @ 2000	11-15 @ 1340	12-16 @ 2000	
		Max. deg. @ rpm	20.25-24.75 @ 3000	17.8-22.2 @ 3000	14.25-18.75 @ 3000	
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	0-2 @ 5.0	0-3 @ 6.3	0-6 @ 7.5	
		Intermediate points, deg. @ in. Hg.	0-6 @ 6.5	0-6 @ 7.8	0-6 @ 7.5	
		Max. deg. in. Hg.	4.5-10.5 @ 8.0	8.0-14.0 @ 10.0	7.0-13.0 @ 10.0 12.0-18.0 @ 13.0	
	Breaker gap (in.)		.024-.030		.018-.024	
	Cam angle (deg.)		35.0-39.5		24.5-29.0	
Breaker arm tension (oz.)		17-21				
Timing	Crankshaft deg. @ rpm		6° BTC @ Idle (Vacuum Disconnected)			
	Mark location		Crankshaft Damper			
Spark Plug	Make		Autolite			
	Model		-12405-	FEH-B (BF-82)	C6AF-A (BF-42)	
	Thread (mm)		18MM			
	Tightening torque (lb. ft.)		15-25			
Gap		.032-.036				
Cable	Conductor type		Resistance Core Cable			
	Insulation type		Neoprene Sheath		Hypalon	
	Spark plug protector		Neoprene Boot		Hypalon	

ELECTRICAL – SUPPRESSION

Locations & type	Capacitor in Alternator and Voltage Regulator, Static Collectors in Front Wheels, Resistance Core Ignition Cable & Hood Ground		
Vacuum Retard Characteristics,	-2 @ 5.6-9.6	-2 @ 4.5-8.5	-2 @ 5.0-9.0
Crankshaft Degrees at Inches of	-8 @ 7.5-11.5	-8 @ 6.6-10.6	-4 @ 6.0-10.0
Mercury	-10/12 @ 12.0	-10/12 @ 12.0	-5/7 @ 11.0

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (a) 11/69

MANUAL TRANSMISSION

MODEL CID 351-2V (Windsor) 351-2V 351-4V 428-4V CJ

ELECTRICAL - IGNITION SYSTEM (Cleveland) (Cleveland)

Type	Conventional - Std., Opt., N.A.		Standard					
	Transistorized - Std., Opt., N.A.		N.A.					
	Other (specify)		None					
Coil	Make		Autolite					
	Model		FAC-12029-A					
	Amps	Engine stopped	4.5					
		Engine idling	2.5					
Distributor	Make		Autolite (69APG2) (70F97)		(70F118)	(70F20)		
	Model		-12127-		D0AF-H	D0OF-T	D0OF-V	D0ZF-C
	Cent'gal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)		0-4@1000		0-4@1100	0-4@1400	0-3@1000
		Intermediate points deg. @ rpm		8-12@1400		13-17@2400	16-20@2700	16-20@1750
		Max. deg. @ rpm		15.0-20.0@3000		15.75-20.0@3000	17.0-21.25@3000	19.2-23.8@3000
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)		0-2@5.0		0-3@4.5	0-3@7.0	0-3@8.0
		Intermediate points, deg. @ in. Hg.		0-6@5.7		0-6@5.5	0-6@8.5	0-6@9.0
		Max. deg. in. Hg.		10-16@8.8		8-14@9.0	8-14@13.0	10-16@13.0
			11-16@10.0		20-25@17.0	16-21@20.0	17-22@17.0	
	Breaker gap (in.)		.018-.024				.018-.022	
Cam angle (deg.)		24.5-29.0				32.0-35.0		
Breaker arm tension (oz.)		17-21						
Timing	Crankshaft deg. @ rpm		6° BTC @ Idle (Vacuum disconnected)					
	Mark location		Crankshaft Damper					
Spark Plug	Make		Autolite					
	Model		-12405-		C6AF-A (BF-42)	C9ZF-B(AF-42)	C9ZF-A(AF-32)	C0AF-B
	Thread (mm)		18MM		14MM		18MM	
	Tightening torque (lb. ft.)		15-25		5-10		15-25	
	Gap		.032-.036					
Cable	Conductor type		Resistance Core Cable					
	Insulation type		Hypalon Sheath					
	Spark plug protector		Hypalon Boot		Silicone			

ELECTRICAL - SUPPRESSION

Locations & type	Capacitor in Alternator and Voltage Regulator, Static Collectors in Front Wheels, Resistance Core Ignition Cable & Hood Ground			
Vacuum Retard Characteristics, Crankshaft Degrees at Inches of Mercury	-2@5.25-9.25	-2@5.5-9.5	-2@6.0-10.0	-2@3.5-7.5
	-8@7.0-11.0	-8@8.0-12.0	-8@8.0-12.0	-4@6.0-10.0
	-10/12@12.0	-10/12@13.0	-10/12@12.5	-5/7@10.0

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*)11/69

AUTOMATIC TRANSMISSION
 MODEL CID 351-2V 351-2V 351-4V 428-4V CJ
 (Windsor) (Cleveland) (Cleveland)

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Standard					
	Transistorized – Std., Opt., N.A.		N. A.					
	Other (specify)		None					
Coil	Make		Autolite					
	Model		FAC-12029-A					
	Amps	Engine stopped	4.5					
Engine idling		2.5						
Distributor	Make		Autolite (70F146) (70F57)		(70F30)	(70F100)		
	Model		-12127-		D0AF-AC	D0OF-U	D0OF-Z	D0ZF-G
	Cent'gal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)		0-4@1000		0-4@900	0-4@1200	0-4@1050
		Intermediate points deg. @ rpm		8.0-12.0@1400		10.0-14.0@1350	10.5-14.5@1750	12.0-16.0@1700
		Max. deg. @ rpm		19.5-24.5@4000		20.5-25.5@4000	15.5-20.5@4000	22.0-27.0@4000
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)		0-3@9.0		0.3@7.0	0-3@7.00	0-3@7.5
		Intermediate points, deg. @ in. Hg.		0-6@11.0		0-6@8.3	0-6@8.5	0-6@8.5
		Max. deg. in. Hg.		7-13@14.0		10-16@13.0	8-14@13.0	4-10@10.0
					16-22@17.0		10-16@12.5	
	Breaker gap (in.)		.018-.024		.014-.020		.018-.024	
Cam angle (deg.)		24.5-29.0		27.0-31.5		24.5-29.0		
Breaker arm tension (oz.)		17-21						
Timing	Crankshaft deg. @ rpm		6° BTC @ Idle (Vacuum disconnected)					
	Mark location		Crankshaft Damper					
Spark Plug	Make		Autolite					
	Model		-12405-		C6AF-A (BF-42)	C9ZF-B(AF-42)	C9ZF-A(AF-32)	C0AF-B(BF-32)
	Thread (mm)		18MM		14MM		18MM	
	Tightening torque (lb. fr.)		15-25		5-10		15-25	
Gap		.032-.036						
Cable	Conductor type		Resistance Core Cable					
	Insulation type		Hypalon Sheath					
	Spark plug protector		Hypalon Boot		Silicone			

ELECTRICAL – SUPPRESSION

Locations & type	Capacitor in Alternator and Voltage Regulator, Static Collectors in Front Wheels, Resistance Core Ignition Cable, and Hood Ground		
Vacuum Retard Characteristics,	-2@6.0-10.0	-2@6.0-10.0	None
Crankshaft Degrees at	-8@8.5-12.5	-4@6.5-10.5	
Inches of Mercury	-10/12@14.0	-5/7@11.0	

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MODEL CID 200-1V 250-1V 302-2V 351-2V-4V 428-4V CJ

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Pointer
	Trip odometer (yes,no)	Optional
Charge indicator – type		Electric Gage Shunt (a) (Standard Models Only)
Temperature indicator – type		Electric Gage (a) (Standard Models Only)
Oil pressure indicator – type		Electric Gage (a) (Standard Models Only)
Fuel indicator – type		Electric Gage
Other		Elec. Clock & Tach. Opt., Emergency Flasher, Directional Signal Lights, Headlamp Beam Indicator Light, Brake System & Seat Belt Warning Lights
Windshield wiper	Type – Standard	Electric Two-Speed
	Type – Optional	Electric – Variable Dwell
Windshield washer	Type – Standard	Electric Pump
	Type – Optional	None
Horn	Type	Electric
	Number used	Two
	Amp draw (each)	5.5 Amps. Max.

DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type	Semi-Centrifugal, Single Disc, Dry Plate				
Type pressure plate springs	Coil				
Total spring load (lb.)	1158	1338	1404	1845	2100
No. of clutch driven discs	One				
Clutch facing	Material	Woven Asbestos			
	Outside & inside dia.	9.0 x 6.0	10.0 x 6.75	11 x 7	11.5 x 7
	Total eff. area (sq.in.)	70.7	85.5	113.1	130.0
	Thickness	.125	.125	.125	.125
	Engagement cushioning method	Torbend Disc			
Release bearing	Type & method of lubrication	Angular Contact, prepacked sealed			
Torsional damping	Methods: springs, friction material	Spring			

(a) Warning lights are used with optional tachometer.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MODEL CID 200-1V 250-1V 302-2V 351-2V 351-4V 428-4V CJ

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	Std.	Std.	Std.	Std.	Std.	N.A.
Manual 4-speed (std. or opt.)	N.A.	N.A.	Opt.	Opt.	Opt.	Std.
Manual with overdrive (std. or opt.)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Automatic (std. or opt.)	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3-Spd (a)	4-Spd(b)	3-Spd	4-Spd (c)	
Transmission ratios	In first	2.99	2.78	2.42	2.32	
	In second	1.75	1.93	1.61	1.69	
	In third	1.00	1.36	1.00	1.29	
	In fourth	-	1.00	-	1.00	
	In reverse	3.17	2.78	2.33	2.32	
Synchronous meshing, specify gears		1-2-3	1-2-3-4	1-2-3	1-2-3-4	
Shift lever location		Floor				
Lubricant	Capacity (pt.)	3.5	4.0	3.5	4.0	
	Type recommended	ESW-M2C83-B				
	SAE viscosity number	Summer	80			
		Winter	80			
Extreme cold		80				

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)			
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed			
Gear ratio		NOT AVAILABLE	
Lubricant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
Extreme cold			

- (a) Standard with 200-1V, 250-1V and 302-2V engines.
- (b) Optional with 302-2V, 351-2V & 351-4V engines.
- (c) Standard with 428-4V engine and optional with 351-2V & 351-4V engines.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 1-70

MODEL CID 200-1V 250-1V 302-2V 351-2V/4V 428-4V

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		Select-Shift Cruise-O-Matic				
Type describe		Torque Converter W/Planetary Gears				
Selector location		Floor Lever				
List gear ratios Selector Pattern and indicate which are used in each selector position		P Park				
		R 2.20:1		2.00:1		2.18:1
		N Neutral				
		D 1.00:1				
		2 1.46:1		1.47:1		1.46:1
		1 2.46:1		2.40:1		2.46:1
Max. upshift speed—drive range		81		92	(2V)77 (4V)89	100
Max. kickdown speed—drive range		78		90	(2V)70 (4V)79	90
Torque converter	Number of elements	Three				
	Max. ratio at stall	2.10:1	2.02:1	2.02:1	2.05:1	2.05:1
	Type of cooling (air, liquid)	Liquid				
Lubricant	Nominal diameter	10.25	11.25	11.25	12.00	12.00
	Capacity—refill (pt.)	16	18		22	26
		Type recommended				
		Transmission M-2C33F (Type "F")				
Special transmission features						

DRIVE UNITS – PROPELLER SHAFT

Number used		One				
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Exposed Tube-In-Tube and Cardboard				
Outer diam. x length* x wall thickness	Manual 3-speed trans.	2.75 x 50.76 x .065		2.75x50.96 x .065	3.0 x 50.02 x 0.65	N.A.
	Manual 4-speed trans.			2.75x50.96 x .065	3.00 x 50.02 x .065	3.00x50.02 x .065
	Overdrive transmission	Not Available				
	Automatic transmission	3.00 x 50.96 x .065 (a)	3.00 x 50.61 x .065 (a)	3.00 x 50.96 x .065 (a)	2.75 x 50.61 x .065	3.00 x 46.58 x .065

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

(Continued)

(a) Tube & Tube

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG **MODEL YEAR** 1970 **DATE ISSUED** 9/69 **REVISED** (*) 11/69

MODEL	CID	200-1V	250-1V	302-2V	351-2V 351-4V	428-4V CJ
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DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)	None				
	Lubrication (fitting, prepack)	None				
Slip Yoke	Type	Ford				
	Number of teeth	28	28	31 Man.	31 Auto.	
	Spline O.D.	1-1/2	1-1/2	1-1/2 Man.	1-11/16 Man.	
				1-11/16 Auto.	1-11/16 Auto.	
Universal joints	Make and Mfg. No.	Ford 1260	Ford 1310	Ford 1330		
	Number used	Two				
	Type (ball and trunnion, cross)	Cross				
	Rear attach. (u-bolt, clamp, etc.)	"U" Bolt				
	Bearing	Type (plain, anti-friction)	Needle Roller			
		Lubric. (fitting, prepack)	Pre-Pack			
Drive taken through (torque tube or arms, springs)		Rear Springs				
Torque taken through (torque tube or arms, springs)		Rear Springs				

DRIVE UNITS – AXLE

Type (front, rear)	Rear				
Description	Conventional, semi-floating, overhung pinion 6 Cyl. 200-1V Convntl., semi-float., straddle mtd. pinion 8 Cyl & 6 Cyl 250				
Limited Slip differential, type	Traction Lok				
Drive Pinion Offset	1.50	2.25			
No. of differential pinions	Two	Two & Four			
Pinion adjustment (shim, other)	Shim				
Pinion bearing adj. (shim, other)	Collapsible Spacer	Collapsible & Solid Spacer			
Wheel bearing type	Single Row, Double Sealed Ball				
Lubricant	Capacity (pt.)	2.25	4.0	5	
	Type recommended	M2C119A			
	SAE vis. cosity number	Summer	SAE 90		
		Winter	SAE 90		
	Extreme cold	SAE 90			

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	2.79	2.83	3.00	3.08	3.20	3.25	3.50	3.91	4.30	
No. of teeth	Pinion	14	12	13	12	10	12	10	11	10
	Ring gear	39	34	39	37	32	39	35	43	43
Ring Gear O.D.	8	7-1/4	8/9	7-1/4	7-1/4	8/9	9	9	9	

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG **MODEL YEAR** 1970 **DATE ISSUED** 9/69 **REVISED** (*)

MODEL CID 200-1V 250-1V 302-2V 351-2V

DRIVE UNITS – WHEELS

Type & material		Stamped Steel	
Rim (size & flange type)	Std.	14 x 5 JJ	14 x 6 JJ (14 x 7 JJ on Mach I)
	Opt.	None	14 x 6 Styled (all models with E78-14 tires) 14 x 7 JJ Stamped Steel 14 x 7 Styled Steel
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.5	
	Number and size	Four .50 dia. Five .50 dia.	

MODEL _____

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply	E78 x 14 BSW(b) 2 Ply + 2 Ply Fiberglass Belt, Load Range B		
	Type (bias, radial, etc.)	Belted Bias		
	Full rated Inflation Press. (a)	Front	24	
		Rear	24	
	Rev./Mile at 50 MPH	797		
Optional	Size, ply rating, & ply	E78 x 14 WSW		
		F70 x 14 WSW (c)		
		F70 x 14 "TRACTION" (c)		
		2 Ply + 2 Ply Fiberglass Belt, Load Range B		

BRAKES – PARKING

Type of control		Foot Operated Step-On, Hand Release
Location of control		Left Side of Steering Column Under Instrument Panel
Operates on		Rear Service Brake
If separate from service brakes	Type (internal or external)	-
	Drum diameter	-
	Lining size (length x width x thickness)	-

(a) Tire pressures to provide maximum fuel economy:

Load Range B; inflate to 32 psi maximum.

NOTE: When using maximum fuel economy inflation pressures, any front and rear tire pressure differential shown above must be maintained, but do not exceed the maximum pressure.

(b) E70 x 14 WSW tires are standard on Mach I with 14 x 7 wheels

(c) With 14 x 7 wheels except convertible, which requires 14 x 6 wheels. "TRACTION" tires feature raised white letters.

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*)

MODEL CID 351-4V 428-4V CJ

DRIVE UNITS – WHEELS

Type & material		Stamped Steel
Rim (size & flange type)	Std.	14 x 6 JJ (14 x 7 JJ on Mach I)
	Opt.	14 x 7 JJ Stamped Steel (Convertible Requires 14 x 6) 14 x 7 JJ Styled Steel (All Models With E78 x 14 Tires)
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.5
	Number and size	Five .50 dia.

MODEL _____

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply (g)	E78 x 14 WSW (b)	E70 x 14 WSW (Base for 428-4V)	
	Type (bias, radial, etc.)	Belted Bias	F70 x 14 WSW (c) (d)	
	Full rated Inflation Press. (a)	Front	24	28
		Rear	24	28
	Rev./Mile at 50 MPH	797	817 (E70x14)	784 (F70x14)
Optional	Size, ply rating, & ply (g)	F70 x 14 WSW (d) F70 x 14 "TRACTION" (d)(f)		

BRAKES – PARKING

Type of control		Foot Operated Step-On, Hand Release
Location of control		Left Side of Steering Column Under Instrument Panel
Operates on		Rear Service Brake
If separate from service brakes	Type (internal or external)	-
	Drum diameter	-
	Lining size (length x width x thickness)	-

(a) Tire pressures to provide maximum fuel economy:

Load Range B, inflate to 32 psi maximum.

NOTE: When using maximum fuel economy inflation pressures, any front and rear tire pressure differential shown above must be maintained, but do not exceed the maximum pressure.

(b) E70 x 14 WSW tires are standard on Mach I with 14 x 7 wheels

(c) Standard on Mach I and 428-4V "Shaker" option

(d) With 14 x 7 wheels except convertible, which requires 14 x 6 wheels

(e) Standard on Mach I "Shaker" option

(f) "TRACTION" tires feature raised white letters

(g) 2 Ply + 2 Ply Fiberglass Belt, Load Range B

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (*) 11/69

MODEL CID 200-1V 250-1V 302-2V 351-2V-4V 428-4V CJ

BRAKES – SERVICE

Type (drum) or (disc & no. of pistons)		Duo Servo		
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	Pressure Differential		
Power brake make & type (remote, int., etc.)	Std.	N.A.		
	Opt.	N.A.	Disc (a)	Disc (a)
Effective area (sq. in.) *		106.0	127.7	144.5
Gross lining area (sq. in.) **		130.4	154.0	173.3
Swept area (sq. in.) ***		212.0	251.2	282.8
Front to Rear Effectiveness Relationship		61.3	62.3	60.6
Drum	Diameter (nominal)	Front	9.0	10.0
		Rear	9.0	10.0
Type and material		F&R Composite	Rear – Composite Front – Cast Iron – Flared & Finned	
Rotor	Outer working diameter		-	
	Inner working diameter		-	
	Working width		-	
	Material & type (vented/solid)		-	
Wheel cylinder bore	Front		1.062	1.125
	Rear		.844	.875
Master Cylinder	Bore		1.00	
	displacement distribution	Front %	65	
Rear %		35		
Pedal arc ratio		6.22:1		
Line pressure at 100 lb. pedal load		795		
Shoe Clearance	Front		0.015	
	Rear		0.015	
Bonded or riveted		Riveted		
Brake lining	Front Wheel	Material		Asbestos
		Size (length x width x thickness)	Prim. or out-board	2.25x7.66 x .189 2.25x8.46 x .184 2.50x8.46x.184
			Second. or in-board	2.25x9.82 x .244 2.25x10.88 x .239 2.50x10.88x.217
		Segments per shoe		One
	Rear Wheel	Material		Asbestos
Size (length x width x thickness)		Prim. or out-board	1.5x7.66 x .220 1.75x8.46x.184 2.00x8.46x.184	
		Second. or in-board	1.5x9.82 x .250 1.75x10.88x.239 2.00x10.88x.239	
Segments per shoe		One		

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

(a) Optional disc brakes-front (See page 19A)

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED ^(a) 11/69MODEL ALL MODELSBRAKES—SERVICE Optional — Disc Brakes — (Front) — All Except 200 CID

Type (drum) or (disc & no. of pistons)		Caliper Disc		
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	Differential (Front and Rear) Pressure Control — Rear		
Power brake make & type (remote, int., etc.)	Std.	—		
	Opt. Package	Bendix, Tandem, Integral, Dual Master Cylinder		
Effective area (sq. in.) *		40.6		
Gross lining area (sq. in.) **		40.6		
Swept area (sq. in.) ***		231		
Front to Rear Effectiveness Relationship		Controlled by valving		
Drum	Diameter (nominal)	Front	11.3 (Disc)	
		Rear	10.0 (Drum)	
	Type and material	Cast-Iron Disc, Ductile Iron Caliper		
Rotor	Outer working diameter		11.3	
	Inner working diameter		7.35	
	Working width		.910	
	Material & type (vented/solid)		Cast-Iron Vented	
Wheel cylinder bore	Front		2.38	
	Rear		See Page 19	
Master Cylinder	Bore		1.00	
	displacement distribution	Front %	65	
		Rear %	35	
Pedal arc ratio		3.5		
Line pressure at 100 lb. pedal load		1120 @ 20 Hg		
Shoe Clearance	Front		0	
	Rear		—	
Brake lining	Bonded or riveted		Bonded	
	Front Wheel	Material		Molded Asbestos
		Size (length x width x thickness)	Prim. or out-board	6.815 x 2.20 x .362
			Second. or in-board	4.95 x 2.07 x .362
		Segments per shoe		One Each Side of Disc
	Rear Wheel	Material		
		Size (length x width x thickness)	Prim. or out-board	(See Page 19)
Second. or in-board				
Segments per shoe				

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (11/69)

MODEL CID 200-1V 250-1V 302-2V 351-2V-4V 428-4V CJ

STEERING

Manual (std., opt., NA)		Standard	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt - 5 Position	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	15.0 x 15.5 Semi-Oval	
	Power	15.0 x 15.5 Semi-Oval	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	N. A.
		Curb to curb (l. & r.)	37.8
	Inside rear	Wall to wall (l. & r.)	N. A.
		Curb to curb (l. & r.)	N. A.
Outside Wheel Angle		18°0' (with Inside Wheel Angle at 20°)	
Manual	Gear	Type	Recirculating Ball and Nut (Lube ESW-M1C87-A .55 Lb. ⁺ .05)
		Make	Ford
	Ratios	Gear	19.9
		Overall	25.45/1
No. wheel turns (stop to stop)		4.46	
Power	Type (coaxial, linkage, etc.)		Linkage
	Make		Ford
	Gear	Type	Recirculating Ball & Nut (Lube ESW-M1C87-A .55 Lb. ⁺ .05)
		Ratios	Gear
	Overall		20.48/1
	Pump driven by		Belt off crankshaft pulley Lube M2C33-F
No. wheel turns (stop to stop)		3.59	
Linkage	Type		Parallelogram with cross link
	Location (front or rear of wheels, other)		Rear
	Drag link (trans. or longit.)		Transverse
	Tie rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		6-3/4° Theoretical Non-Adjustable
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	Washer in upper ball joint
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		0° ⁺ 1/2°
	Camber (deg.)		+1° ⁺ 3/4°
	Toe-in (outside track inches)		3/16 ⁺ 1/16
Steering spindle & joint type		Integral w/wheel spindle; ball socket joints	
Wheel Spindle	Diameter	Inner bearing	1.38 I.D.
		Outer bearing	.861 I.D.
	Thread size		13/16-20 UNEF-2A R.H. Thread
	Bearing type		Tapered Roller

AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1970 DATE ISSUED 9/69 REVISED (•) 1-70

MODEL	CID	200-1V	250-1V	302-2V, 351-2V & 351-4V	428-4V CJ
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SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		None			
Provision for brake dip control		Tilted Upper Control Arm Anti-Dive Front Suspension			
Provision for acc. squat control		Asymmetrical Type Rear Spring Mounting			
Special provisions for car jacking		Special notched rocker panel positions Front and Rear on each side of car			
Shock absorber front & rear	Type	Direct acting			
	Make	Autolite		Gabriel	
	Piston dia.	1.0	1.0 (a)	1-3/16	
Other special features					

SUSPENSION – FRONT

Type and description		Independent S.L.A. with drag strut, ball joints, coil springs and shock absorbers mounted over upper arm			
Spring	Type	Coil			
	Material	Steel SAE 5160			
	Size (coil design height & I.D., bar length x dia.)	10.04x3.87 128 x .57	134 x .60	123.2x.65	
	Spring rate (lb. per in.)	220	245	260 (b)	365
	Rate at wheel (lb. per in.)	82	90	95	130
Stabilizer	Type (link, linkless, frameless)	Link Type	Steel SAE 1090		
	Material & bar diameter	.69	.69 (c)	.95	

SUSPENSION – REAR

Type and description		Hotchkiss Drive			
Drive and torque taken through		Rear Springs			
Spring	Type	Semi-elliptical			
	Material	Spring Steel SAE 5160, 5147, 5155			
	Size (length x width, coil design height & I.D.; bar length & dia.)	53 x 2.50			
	Spring rate (lb. per in.)	85	85	85 (d)	135
	Rate at wheel (lb. per in.)	91			134
	Mounting insulation type	Silent block (Frt.) Split Type Rubber Bushing Rear			
If leaf	No. of leaves	Four			
	Shackle (comp. or tens.)	Compression			
Stabilizer	Type (link, linkless, frameless)	None	Link Type .62 Dia (e)		
	Material	Steel (SAE 5160)			
Track bar type		None			

- (a) 1-3/16 Gabriel used with Competition Suspension
- (b) 320 Rate Springs used with Competition Suspension, 115 Wheel Rate
- (c) .85 Stabilizer Bar used with Competition Suspension
- (d) 135 Rate Springs used with Competition Suspension, 134 Wheel Rate
- (e) Used with 351-4V, 428-4V Engines and with Competition Suspension

AMA Specifications—Passenger Car

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MODEL 65 63 76

FRAME	
Type and description (Separate frame, unitized frame, partially - unitized frame)	Unitized Construction

BODY – MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front	
Rear doors		-	
Type of finish (lacquer, enamel, other)		Enamel	
Hood counterbalanced (yes, no)		Yes	
Hood release control (internal, external)		External	
Vehicle Ident. No. location		Top of instrument panel on drivers side inboard of "A" pillar Lock face of left door	
Engine No. location		Boss on front left side of cylinder block	
Theft protection - type		Door locks, ignition key start, theft retarder steering column locks steering and powertrain	
Vent window control method (crank, friction pivot)	Front	None	
	Rear	Models 65-76 (Crank Type) Flipper Qtr. Model 63 (Friction Type Pivot)	
Seat cushion type	Front	Formed Wire	
	Rear	Formed Wire	
	3rd seat	None	
Seat back type	Front	Formed Wire	
	Rear	Formed Wire	
	3rd seat	None	
Windshield glass type (i.e., single curved - laminated plate)		Compound Curved, one piece laminated plate	
Side glass type (i.e., curved - tempered plate)		Curved, tempered sheet	
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curved, tempered plate, one piece	
Windshield glass exposed surface area	1138	1128	1127
Side glass exposed surface area	1072	945	1074
Backlight glass exposed surface area	687	1215	779
Total glass exposed surface area	2897	3288	2980

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MODEL 65 63 76

CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Opt. door only
	Vent windows	-
	Backlight or tailgate	-
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Front seat head restrainer (R-L or both)		Std.
Radios (specify type as well as availability)		Opt. Push Button AM, Opt. Push Button AM/FM Opt. AM Radio Stereosonic Tape System
Rear seat speaker		Opt. with AM Radio Only
Power antenna		NA
Clock		Optional
Air conditioner (specify type and availability)		Ford Selectaire Integrated with Heater
Speed warning device		NA
Speed control device		NA
Ignition lock lamp		NA
Dome lamp		Std. Model 65, NA Model 76 - Dual Qtr. Pillar on Model 63 (Opt.)
Glove compartment lamp		Opt.
Luggage compartment lamp		Opt.
Underhood lamp		N.A.
Courtesy lamp		Opt. Model 65, Std. on Models 63, 76
Map lamp		Opt. on Model 65, 63
Auto. trans. quad. lamp		Std. w/optional auto. trans.
Cornering light lamp		NA
Tilt Steering Wheel		Opt.
Low Fuel Warning Lamp		N.A.
Door Ajar Warning Lamp		N.A.
Seat Belt Warning Lamp		Opt. with Deluxe Seat Belts
Quarter Flipper Window		Std. Model 63
Stg. Wheel Rim Horn Blow		Opt.

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	25.6
		Lowest	-
	Tail	Highest	26.3
		Lowest	-
	Sidemarker	Front	25.4
		Rear	21.5
Distance from C/L of car to center of bulb	Headlamp	Inside	-
		Outside *	23.6
	Tail	Inside	-
		Outside	22.4
	Directional	Front	26.8
		Rear	22.4

* If single headlamps are used enter here.

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WEIGHTS

302-2V Engine 3 Spd. Auto. Transmission Model	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
	Front	Rear	Total	Pass. In Front		Pass. In Rear		Fuel	Coolant
				Front	Rear	Front	Rear		
65A 2-Dr. Hardtop	1748	1369	3117	42	58	17	83	132	
65B 2-Dr. H/T (Deluxe)	1752	1372	3124	42	58	17	83	132	
65E 2-Dr. H/T (Grande) (includes Vinyl Roof)	1742	1420	3162	42	58	17	83	132	
76A Convertible	1785	1454	3239	42	58	17	83	132	
76B Convertible (Deluxe)	1795	1464	3259	42	58	17	83	132	
63A 2-Dr. Fastback	1687	1397	3084	42	58	18	82	132	
63B 2-Dr. F/B (Deluxe)	1691	1400	3091	42	58	18	82	132	
63C Mach-I	1871	1480	3351	42	58	18	82	132	
									Engine:
									200-1V 22.4
									250-1V 27.0
									302-2V 33.6
									351-2V 33.6
									351-4V 33.6
									428-4V 47.0
Accessories & Equipment Differential Weights				Remarks					
Engine:									
200-1V under 302-2V	-174	- 47	-221						
250-1V under 302-2V	- 81	- 11	- 92						
351-2V over 302-2V	+113	+ 37	+150						(351-2V Windsor Engine)
351-2V over 302-2V	+123	+ 38	+161						(351-2V Cleveland Engine)
351-4V over 302-2V	+144	+ 65	+209						(351-4V Cleveland Engine)
428-4V over 302-2V	+302	+110	+412						
Transmissions:									
200-1V 3 Spd. Manual	- 3	- 2	- 5						Under 3 Spd. Automatic
250-1V 3 Spd. Manual	- 5	- 3	- 8						Under 3 Spd. Automatic
302-2V 3 Spd. Manual	- 3	- 3	- 6						Under 3 Spd. Automatic
351-2V 3 Spd. Manual	- 11	- 5	- 16						Under 3 Spd. Automatic (Windsor & Cleveland)
351-4V 3 Spd. Manual	- 10	- 5	- 15						Under 3 Spd. Automatic (Cleveland)
302-2V 4 Spd. Manual	+ 12	+ 2	+ 14						Over 3 Spd. Automatic
351-4V 4 Spd. Manual	+ 5	- 1	+ 4						Over 3 Spd. Automatic (Cleveland)
428-4V 4 Spd. Manual	- 13	+ 8	- 5						Under 3 Spd. Automatic
Power Steering	+ 28	0	+ 28						
Power Disc Brakes	+ 11	+ 1	+ 12						

*Reference - SAE Aerospace-Automotive drawing standards, Section F 1.02 (d).

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Accessories and Equipment Differential Weights (Cont'd)	CURB WEIGHT * POUNDS			REMARKS
	Front	Rear	Total	
Model				
Radio - AM	+ 5	+ 2	+ 7	
Radio - AM/FM	+ 7	+ 2	+ 9	
Radio & Stereo Tape Player	+ 11	+ 5	+ 16	
Air Conditioning	+103	- 4	+ 99	Cast Iron Compressor
	+ 92	- 3	+ 89	Aluminum Compressor
Tires: (Over E78-14 BSW)				
(4) F60 x 15 Belted	+ 14	+ 4	+ 18	Includes Collapsible Spare
(5) E70 x 14	+ 5	+ 9	+ 14	
(5) F70 x 14	+ 6	+ 9	+ 15	
White Side Wall Tires	+ 1	+ 2	+ 3	
Wheels: (Over 14 x 6)				
(4) 15 x 7	+ 5	+ 5	+ 10	
(4) 15 x 7 (Styled)	+ 8	+ 8	+ 16	
Wheel Covers	+ 1	+ 1	+ 2	Over Hub Caps or Trim Rings
Wheel Covers (14.0) Deluxe	+ 7	+ 7	+ 14	Over Hub Caps
(15.0) Deluxe	+ 8	+ 8	+ 16	Over Hub Caps
Battery 55 AH over 45 AH	+ 7	- 1	+ 6	
70 AH over 45 AH	+ 16	- 2	+ 14	
Evaporative Emission	+ 5	- 1	+ 4	(Provisional)
Bumper Guards	+ 2	+ 1	+ 3	Front and Rear
Full Console	+ 6	+ 6	+ 12	
Vinyl Roof	+ 3	+ 5	+ 8	
Tilt Steering Wheel	+ 4	+ 2	+ 6	
Engine Oil Cooler	+ 22	- 4	+ 18	Includes Oil
Locking Differential	0	+ 3	+ 3	
Special Handling Package	+ 6	+ 3	+ 9	302-2V Engine Only
Special Handling Package	+ 6	+ 11	+ 17	
Wheels 14 x 7	+ 4	+ 7	+ 11	Over 14 x 6
Convenience Group	+ 4	+ 1	+ 5	
Clock - Electric	+ 1	+ 1	+ 2	
Heater Delete Option	- 21	- 5	- 26	
Front Spoiler	+ 1	0	+ 1	
Louvers - Rear Window	0	+ 12	+ 12	
Defogger - Rear Window	+ 1	+ 2	+ 3	
Shaker	+ 11	0	+ 12	
Sport Deck	+ 14	+ 26	+ 40	
Mach I (63C)	+ 31	+ 28	+ 59	351-4V Engine
Mach I (63C)	+175	+ 47	+222	428-4V CJ Engine

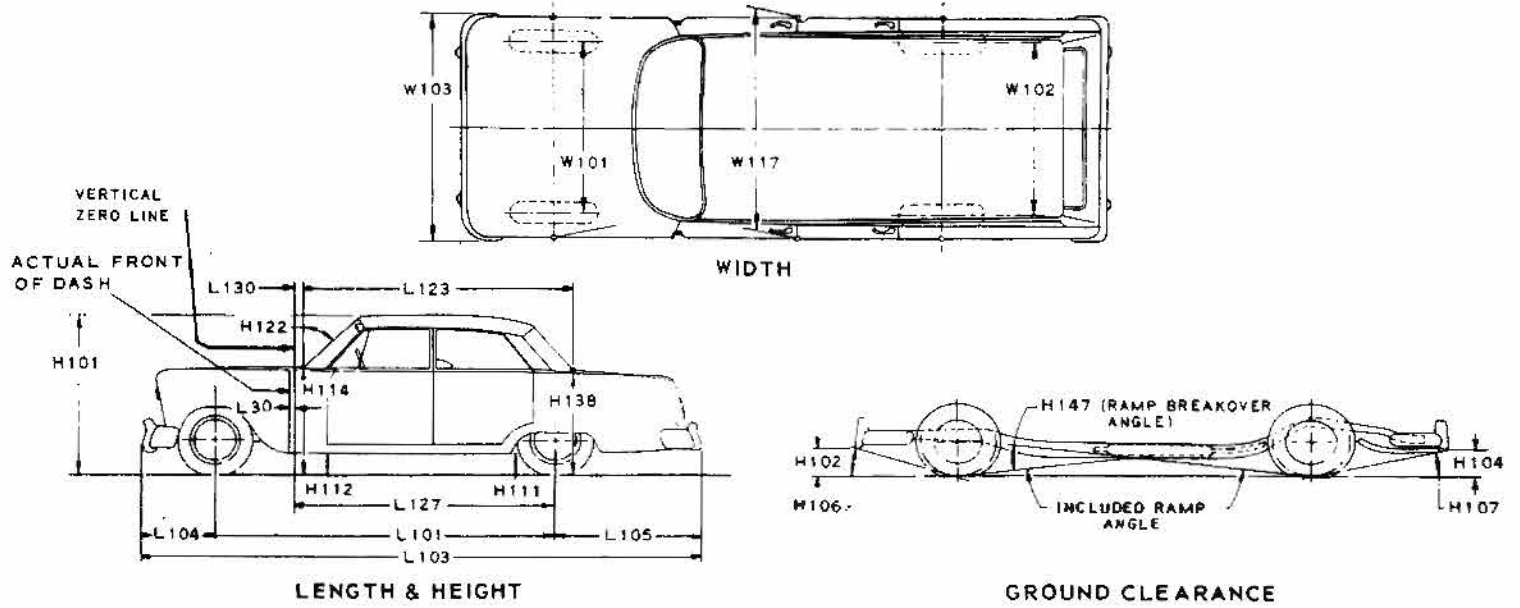
*Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

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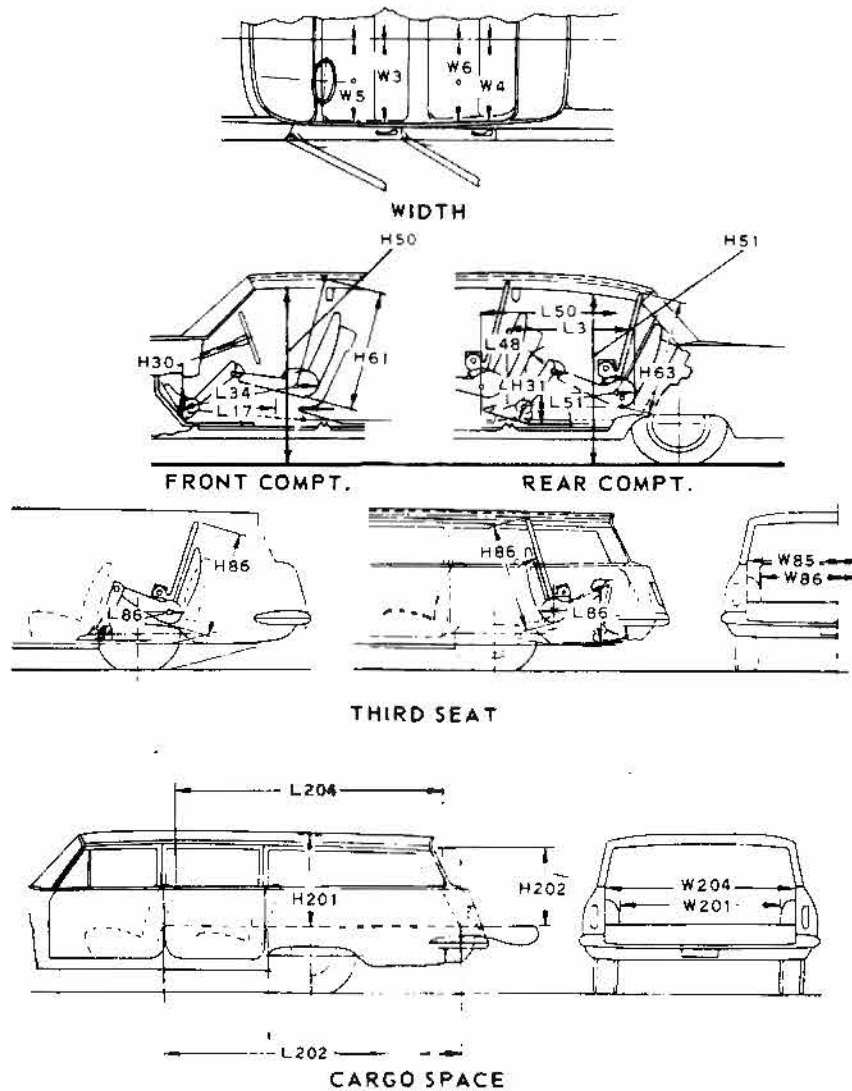
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD — FRONT. Measured at centerline of tires with nominal camber, at ground.
- W102 WHEEL TREAD — REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG — FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG — REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT — DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND — FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H111 ROCKER PANEL TO GROUND — REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND — FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND — REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H 30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM — FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W 5 HIP ROOM — FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H 50 UPPER BODY OPENING TO GROUND — FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 EFFECTIVE HEAD ROOM — REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 51 MINIMUM EFFECTIVE LEG ROOM — REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H 31 H POINT TO HEEL POINT — REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM — REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W 4 SHOULDER ROOM — REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 HIP ROOM — REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H 51 UPPER BODY OPENING TO GROUND — REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON — THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM — THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM — THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 EFFECTIVE LEG ROOM — THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H 86 EFFECTIVE HEAD ROOM — THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON — CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT — FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH — WHEELHOUSE. The minimum horizontal dimension, measured between wheelhouseings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-end liftgates fully open.
- V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

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