

# AMA Specifications—Passenger Car

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MANUFACTURER <b>FORD MOTOR COMPANY</b>		CAR NAME <b>MUSTANG</b>	
MAILING ADDRESS <b>P.O. BOX 2053 - DEARBORN, MICHIGAN 48121</b>		MODEL YEAR <b>1968</b>	ISSUED <b>9-1-67</b>
			REVISED (●) <b>4-15-68</b>

**NOTES:**

1. The 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, number of passenger & style names; use manufacturer's code for series & body style.

<u>Body Model</u>	<u>Passenger</u>	<u>Model Number</u>
2-Door Hardtop	4	65A -B
2-Door Convertible	4	76A
2-Door Fastback	2 + 2	63A

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*)

## 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 and are shown with vehicle load of two passengers in front and three in rear, except where otherwise noted.

MODEL	SAE Ref. No.	65	76	63
<b>WIDTH</b>				
Track – Front	W101	58.5		
Track – Rear	W102	58.5		
Maximum overall car width	W103	70.9		
Body width at No. 2 pillar	W117	69.6		
<b>LENGTH</b>				
Body "O" to front of dash	L 30	1.3		
Wheelbase	L101	108		
Overall car length	L103	183.6		
Overhang – front	L104	35.1		
Overhang – rear	L105	40.5		
Body upper structure length	L123	85.3	86.0	94.0
Body "O" line to $\text{C}$ of rear wheel	L127	88.45		
Body "O" line to w/s cowl point	L130	10.4		
<b>HEIGHT</b>				
Overall height	H101	51.6	51.4	
Cowl height	H114	36.1		
Deck height	H138	35.1		38.5
Rocker panel – front	To ground	8.5		
	From front wheel $\text{C}$			
Rocker panel – rear	To ground	7.7		
	From rear wheel $\text{C}$			
Windshield slope angle	H122	52.5°		
<b>GROUND CLEARANCE</b>				
Bumper to ground – front	H102	18.4		
Bumper to ground – rear	H104	15.7		
Angle of approach	H106	26.5°		
Angle of departure	H107	17.9°		
Ramp breakover angle	H147	12.2°		
Min. running clearance (Specify)	H156	4.9		

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED <sup>(a)</sup>

## CAR AND BODY DIMENSIONS

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

MODEL	SAE Ref. No.	65	76	63
<b>FRONT COMPARTMENT</b>				
Effective head room	H61	37.4	37.7	37.1
Max. eff. leg room – accelerator	L34	42.0		
H Point to Heel point	H30	7.8		
H Point travel	L17	4.9		
Shoulder room	W 3	53.4		
Hip room	W 5	54.0		
Upper body opening to ground	H50	46.3	45.8	46.3
<b>REAR COMPARTMENT</b>				
H Point couple distance	L50	27.3		-
Effective head room	H63	35.8	36.0	-
Min. effective leg room	L51	27.0		-
H Point to Heel point	H31	10.0		-
Min. knee room	L48	- 1.2		-
Rear Compartment room	L 3	20.9		-
Shoulder room	W 4	53.6	43.2	-
Hip room	W 6	50.8	43.2	-
Upper body opening to ground	H51	-		-
<b>LUGGAGE COMPARTMENT</b>				
Usable luggage capacity	V 1	9.3	6.8	5.6
Liftover height	H195	29.1		
Position of spare tire storage		Right Trunk Floor		
Method of holding lid open		Torsion Bar		
<b>STATION WAGON – THIRD SEAT</b>				
Shoulder Room	W85	-		
Hip room	W86	-		
Effective leg room	L86	-		
Effective head room	H86	-		
Seat facing direction		-		
<b>STATION WAGON – CARGO SPACE</b>				
Cargo length at floor – front seat	L202	-		
Cargo length at belt – front seat	L204	-		
Cargo width – wheelbase	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					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A C ratio)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		
All	200	1V	8.8:1	115@ 3800	190@ 2200	3-Spd. Manual 3-Spd. Automatic	3.20 2.83, 3.20
All	289	2V	8.7:1	195@ 4600	288@ 2600	3-Spd. Manual 4-Spd. Manual 3-Spd. Automatic	2.79, 3.00 (a), 3.25 2.79, 3.00 (a), 3.25 2.79, 3.00 (a)
All	302	4V	10.0:1	230@ 4800	310@ 2800	3-Spd. Manual 4-Spd. Manual 3-Spd. Automatic	3.00 (a), 2.79, 3.25 3.00 (a), 2.79, 3.25 3.00 (a), 2.79
All	302	4V G.T. Group	10.0:1	230@ 4800	310@ 2800	3-Spd. Manual 4-Spd. Manual 3-Spd. Automatic	3.25 (a), 3.00 3.25 (a), 3.00 3.25 (a), 3.00
All	390	2V	10.5:1	280@ 4400	403@ 2600	3-Spd. Automatic	2.75, 3.00 (a), 3.25 (a)
All	390	4V	10.5:1	325@ 4800	427@ 3200	3-Spd. Manual 4-Spd. Manual 3-Spd. Automatic	3.00 (a), 3.25 (a) 3.00 (a), 3.25 (a) 2.75 (a), 3.25 (a), 3.00
All	390	4V G.T. Group	10.5:1	325@ 4800	427@ 3200	3-Spd. Manual 4-Spd. Manual 3-Spd. Automatic	3.25 (a), 3.00 (a) 3.25 (a), 3.00 (a) 3.25 (a), 3.00 (a), 2.75
All	427	4V	10.9:1	390@ 5600	460@ 3200	3-Spd. Automatic	3.50 (a)
All	428	4V	10.6:1	335@ 5400	440@ 3400	4-Spd. Manual 3-Spd. Automatic	3.50 (a), 3.91, 4.30 3.50 (a), 3.91, 4.30

(a) Equa-lock axle available



## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*)  
 ALL MODELS

MODEL CID 200-1V 289-2V 302-4V

## ENGINE—GENERAL

Type, no. cyls., valve arr.	In line, 6, OHV	90°V8, OHV	
Bore and stroke (nominal)	3.68 x 3.13	4.00 x 2.87	4.00 x 3.00
Piston displacement, cu. in.	200	289	302
Bore spacing (C to C)	4.08	4.38	4.38
No. system (front to rear)	L. Bank R. Bank	5-6-7-8 1-2-3-4	5-6-7-8 1-2-3-4
Firing order	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Compres. ratio (nominal)	8.8:1	8.7:1	10.0:1
Cylinder Head Material	Cast Iron		
Cylinder Block Material	Cast Iron		
Cyl. Sleeve-Wet,dry,none	None		
Number of mtg. points	Front Rear	Two One	
Engine installation angle	4° 7'		
Taxable horsepower	2.5	51.2	51.2
Publishing max. bhp* @ eng. RPM	115 @ 3800	195 @ 4600	230 @ 4800
Publishing max. torque* (lb. ft. @ RPM)	190 @ 2200	288 @ 2600	310 @ 2800
Recommended fuel regular - premium	Regular		Premium

## ENGINE—PISTONS

Material	Aluminum Alloy W/Steel Struts				
Description and finish	Autothermic, Slipper Skirt, Tin Plated, Cam Ground				
Weight (piston only) oz.	17.1	21.4	21.15		
Clearance (limits)	Top land	.022 - .028	.034 - .042	.030 - .041	
	Skirt	Top (a)	.0014 - .0020	.0018 - .0026	.0018 - .0026
		Bottom	.0008 - .0014		
Ring groove depth	No. 1 ring	.193 - .200	.215 - .222	.202 - .209	
	No. 2 ring	.193 - .200	.215 - .222	.202 - .209	
	No. 3 ring	.193 - .200	.184 - .191	.184 - .191	
	No. 4 ring	None			

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

NOTE: Compression ratio on all V8 engines with service replacement head gasket raised 0.5:1.

(a) @ Centerline of pin hole.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED <sup>(\*)</sup>4-15-68

MODEL	CID	390-2V & 390-4V G. T.	ALL MODELS 427-4V	428-4V
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## ENGINE – GENERAL

Type, no. cyls., valve arr.	90°V8, OHV		
Bore and stroke (nominal)	4.05 x 3.78	4.23 x 3.78	4.13 x 3.98
Piston displacement, cu. in.	390	427	428
Bore spacing (C to C)	4.63	4.63	
No. system (front to rear)	L. Bank	5-6-7-8	5-6-7-8
	R. Bank	1-2-3-4	1-2-3-4
Firing order	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	
Compres. ratio (nominal)	10.5:1	10.9:1	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°		
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower } 2.5}$	52.49	57.3	54.59
Publishing max. bhp* @ eng. RPM	280 @ 4400	390 @ 5600	335 @ 5400
	325 @ 4800		
Publishing max. torque * (lb. ft. @ RPM)	403 @ 2600	460 @ 3200	440 @ 3400
	427 @ 3200		
Recommended fuel regular – premium	Regular (390-2V) Premium		

## ENGINE – PISTONS

Material	Aluminum Alloy W/Steel Struts		
Description and finish	Autothermic, Slipper Skirt, Tin Plated, Cam Ground		
Weight (piston only) oz.	23.1	23.4	23.99
Clearance (limits)	Top land	.036 - .044	.030 - .037
	Skirt	Top(a)	.0015 - .0023
		Bottom	—
Ring groove depth	No. 1 ring	.204 - .211	.2005 - .2035
	No. 2 ring	.204 - .211	.2005 - .2035
	No. 3 ring	.1855 - .1925	.179 - .172
	No. 4 ring	None	

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

NOTE: Compression ratio on all V8 engines with service replacement head gasket raised 0.5:1.

(a) @ Centerline of pin hole.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (a)

MODEL CID 200-1V 289-2V 302-4V

### ENGINE – RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression	Description - material, coating, etc.	#1 Cast Iron Alloy, Inside Beveled - Molybdenum Filled Groove (a) #2 Cast Iron Alloy, Straight Face, Scraper Groove Phosphate Coated	
	Width	.078	#1 and #2 .077-.078
	Gap	.010 - .020	
Oil	Description - material, coating, etc.	Multi-Piece: Two Rails and One Spacer Expander Rails: Steel, Chrome Plated, Oxide Coated Spacer Expander: Blue Steel	
	Width	.1875	
	Gap (Rails)	.015 - .055	.015 - .069
Expanders	Integral with Oil Ring Assembly		

### ENGINE – PISTON PINS

Material		Alloy Steel, SAE 5015	
Length		3.025	
Diameter		.9121	
Type	Locked in rod, in piston, floating, etc.	Press fit in rod	
	Bush- ing	In rod or piston	None
Clearance	In piston	.0003 - .0005	.0002 - .0004
	In rod	-	
Direction & amount offset in piston		Right .0625	

### ENGINE – CONNECTING RODS

Material		Forged Steel - SAE 1041	
Weight (oz.)		18.65	19.86 19.85
Length (center to center)		4.715	5.155 5.090
Bearing	Material & Type	Plated Copper-lead alloy on steel back, replaceable inserts (b)	
	Overall length	.800 - .810	.721
	Clearance (limits)	.0008 - .0024	.0008 - .0026
	End play	.004 - .011	.010 - .020 Two Rods

- (a) #1 Cast Iron Alloy, Barrel Face, Molybdenum Filled Groove - 289 and 302 Engine.
- (b) 200 Engine - Unplated Copper-Lead Alloy on Steel Back, Replaceable Inserts.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*) 4-15-68MODEL CID 390-2V & 390-4V G.T. 427-4V 428-4V

## ENGINE - RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	#1 Cast Iron Alloy, Barrel Face, Molybdenum Filled Groove (a) #2 Cast Iron Alloy, Straight Face, Scraper Groove Phosphate Coated (a)
	Width	#1 & #2 .077-.078 (b)
	Gap	.010 - .020 (c)
Oil	Description - material, coating, etc.	Multi-Piece: Two Rails and One Spacer Expander Rails: Steel, Chrome Plated, Oxide Coated Spacer Expander: Stainless Steel(d)
	Width	.1875 .125
	Gap (Rails)	.015 - .066 .015 - .055
Expanders		Integral with Oil Ring Assembly

## ENGINE - PISTON PINS

Material	Alloy Steel, SAE 5015		
Length	3.163	3.170	
Diameter	.9752		
Type	Locked in rod, in piston, floating, etc.	Full Floating Tubular	
	Bush- ing	In rod or piston	In Rod
		Material	Bronze
Clearance	In piston	.0001 - .0003	
	In rod	.0001 - .0005	
Direction & amount offset in piston	Right .0625	None	Right .0625

## ENGINE - CONNECTING RODS

Material	Forged Steel - SAE 1041			
Weight (oz.)	27.1	29.6	27.10	
Length (center to center)	6.488			
Bearing	Material & Type	Plated Copper-lead alloy on steel back, replaceable inserts		
	Overall length	.741		
	Clearance (limits)	.0008 - .0026	.0008 - .0032	.0008 - .0026
	End play (f)	.010 - .020	.018 - .028	.010 - .020

(a) 427 Engine - #1 &amp; #2 Cast Iron Alloy, Barrel Face, Chrome Plated.

428 Engine - #1 Cast Iron Alloy, Plain Face, Chrome Plated

(b) #1 &amp; #2 .0619 - .0626 - 427 Engine

(c) #1 .018 - .028, #2 .015 - .025 - 427 Engine

(d) Blued Steed - 428 Engine

(e) .015 - .066 (Rails Only) - 428 Engine

(f) Two Rods

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ALL MODELS

MODEL CID 200-1V 289-2V 302-4V

### ENGINE – CRANKSHAFT

Material		Cast Iron Alloy			
Vibration damper type		Rubber Floated Inertia Member			
End thrust taken by bearing (No.)		5	3		
Crankshaft end play		.004 - .008			
Main bearing	Material & type		Plated copper-lead alloy on steel back - replaceable inserts (a)		
	Clearance		.0005 - .0022	.0005 - .0024 (b)      .0005 - .0024 (b)	
	Journal dia. and bearing overall length	No. 1	2.248 x 1.015	2.2486 x .885	2.2486 x .885
		No. 2	2.248 x 1.015	2.2486 x .885	2.2486 x .885
		No. 3	2.248 x 1.015	2.2486 x 1.132	2.2486 x 1.132
		No. 4	2.248 x 1.015	2.2486 x .885	2.2486 x .885
		No. 5	2.248 x 1.270	2.2486 x .885	2.2486 x .885
		No. 6	2.248 x 1.015		
No. 7		2.248 x 1.015			
Dir. & amt. cyl. offset		None	R-Hand Bank Leads .84		
Crankpin journal diameter		2.1232			

### ENGINE – CAMSHAFT

Location		In block			
Material		Special alloy iron, induction hardened, phosphate coated			
Bearings	Material	SAE 15 lead base babbitt on SAE 1010 steel back			
	Number	4	5		
Type of Drive	Gear or chain		Chain		
	Crankshaft gear or sprocket material		Sintered iron or steel		
	Camshaft gear or sprocket material		Cast Iron	Aluminum Body with Molded Nylon Teeth	
	Timing chain	No. of links	50	58	
		Width	.762 (c)	.637	
Pitch		.375	.375		

### ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard	
Valve rotator, type (intake, exhaust)		Ford free turn - Intake & Exhaust (d)	
Rocker ratio		1.50:1	1.60:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	

- (a) 200 Engine - Steel backed micro-babbitt(Continued) replaceable inserts.
- (b) #1 Main bearing - .0001 - .0020.
- (c) .875 - Alternate.
- (d) 289 & 302 Engines - None.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (a) 4-15-68MODEL CID 390-2V & ALL MODELS  
390-4V G.T. 427-4V 428-4V

## ENGINE - CRANKSHAFT

Material	Cast Iron Alloy		
Vibration damper type	Rubber Floated Inertia Member		
End thrust taken by bearing (No.)	3		
Crankshaft end play	.004 - .010		
Main bearing	Material & type	Plated copper-lead alloy on steel back - replaceable inserts	
	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 1.119
		No. 4	2.7488 x .907
		No. 5	2.7488 x .907
		No. 6	-
No. 7		-	
Dir. & amt. cyl. offset	R. H. Bank Leads .88		
Crankpin journal diameter	2.4384		

## ENGINE - CAMSHAFT

Location	In block		
Material	Special alloy iron, induction hardened, phosphate coated		
Bearings	Material	SAE 15 lead base babbitt on SAE 1010 steel back - replaceable inserts	
	Number	5	
Type of Drive	Gear or chain	Chain	
	Crankshaft gear or sprocket material	Sintered iron or steel	
	Camshaft gear or sprocket material	Aluminum Body with Molded Nylon Teeth	
	Timing chain	No. of links	48
		Width	.86
		Pitch	.50

## ENGINE - VALVE SYSTEM

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

(Continued)

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MODEL CID 200-1V 289-2V 302-4V

**ENGINE – VALVE SYSTEM (cont.)**

Timing (based on top of ramp points)	Intake	Opens (°BTC)	9	15	
		Closes (°ABC)	51	61	
		Duration - deg.	240	256	
	Exhaust	Opens (°BBC)	42	55	
		Closes (°ATC)	18	19	
		Duration - deg.	240	254	
Valve opening overlap		27°	34°		
Intake	Material		Alloy Steel - Aluminized Head - Chrome Plated Stem & Foot		
	Overall length		4.26	4.873	
	Actual overall head dia.		1.642 - 1.657	1.788 - 1.773	
	Angle of seat & face		45°		
	Seat insert material		None		
	Stem diameter		.3100 - .3107	.3416 - .3423	
	Stem to guide clearance		.0008 - .0025	.0010 - .0027	
	Lift (@ zero lash)		.348	.368	
	Outer spring press. & length (Gage)	Valve closed (lb. @ in.)	54 @ 1.59	71 - 79 @ 1.66	
		Valve open (lb. @ in.)	150 @ 1.22	171 - 189 @ 1.23	
	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	
		Overall length		4.26	4.873
		Actual overall head dia.		1.381 - 1.396	1.457 - 1.442
Angle of seat & face		45°			
Seat insert material		None			
Stem diameter		.3098 - .3105	.3423 - .3416		
Stem to guide clearance		.0010 - .0027	.0015 - .0032		
Lift (@ zero lash)		.348	.380		
Outer spring press. & length (Gage)		Valve closed (lb. @ in.)	54 @ 1.59	71 - 79 @ 1.66	
		Valve open (lb. @ in.)	150 @ 1.22	171 - 189 @ 1.23	
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

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# AMA Specifications—Passenger Car

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		ALL MODELS		
MODEL	CID	390-2V & 390-4V G.T.	427-4V	428-4V

## ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	13	18
		Closes (°ABC)	63	72
		Duration - deg.	256	270
	Exhaust	Opens (°BBC)	63	82
		Closes (°ATC)	23	28
		Duration - deg.	266	290
Valve opening overlap		.36°	46°	
Intake	Material			
	Silchrome #1 - Alloy Steel - Aluminized Head - Chrome Plated Stem & Foot			
	Overall length		5.446	
	Actual overall head dia.		2.022 - 2.037	2.080 - 2.097
	Angle of seat & face		45°	60°
	Seat insert material		None	
	Stem diameter		.3711 - .3718	
	Stem to guide clearance		.0010 - .0027	
	Lift (@ zero lash)		.481	
	Outer spring press. & length (Gage)	Valve closed (lb.@ in.)	80 - 90 @ 1.82	
		Valve open (lb.@ in.)	254 - 281 @ 1.32	
	Inner spring press. & length	Valve closed (lb.@ in.)	None	Damper Only
		Valve open (lb.@ in.)	None	Damper Only
Material		Cast Austenitic Steel-Aluminized Head-Chrome Plated Stem & Foot (c)		
Overall length		5.426	1.652	
Actual overall head dia.		1.551 - 1.566	1.660	
Angle of seat & face		45°	45°	
Seat insert material		None		
Stem diameter		.3701 - .3708		
Stem to guide clearance		.0015 - .0032	.0020 - .0037	
Lift (@ zero lash)		.490		
Exhaust	Outer spring press. & length (Gage)	Valve closed (lb.@ in.)	80 - 90 @ 1.82	
		Valve open (lb.@ in.)	267.5 + 13.5 @ 1.32	
	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	Oil Mist
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash
	Cylinder walls	Pressure Stream

(c) 427 & 428 Engine - 21-4N Forged Steel,  
Chrome Plated Stem.

(Continued)



# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*)

MODEL CID 200-1V 289-2V 302-4V

### ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gerotor	Rotor
Normal oil pressure (lb. engine rpm)	35-55 @ 2000	35-55 @ 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.)	3.5	4.0
Oil grade recommended (SAE viscosity and temperature range)	90°F and above - SAE 30 or 20W40 20°F to 90° - SAE 20 - 20W or 10W-30 -10°F to 20° - SAE 5W-20 or 10W-30 or 10W -10°F and below - SAE 5W-20	
Engine Service Reqmt. (MM, MS, etc.)	MS	

### ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single "Y" Type
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. 2.00 x .084 Laminated
	Main	2.25 x .075 Solid
Tail pipe dia. (O.D. & wall thickness)	2.00 x .060 **	2.00 x .060 **

### ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	
Control Unit	Make and model	Ford, AC or Chicago Screw
	Location	Rocker Arm 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 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

\*\* Integral with muffler.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*) 4-15-68  
 ALL MODELS  
 MODEL 390-2V & 390-4V G.T. CID 427-4V 428-4V

### ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor		
Normal oil pressure (lb. engine rpm)	45 - 65 @ 2000	40 - 55 @ 2000	40-70 @ 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)	90°F and above - SAE 30 or 20W40 20°F to 90° - SAE 20 - 20W or 10W-30 -10°F to 20° - SAE 5W-20 or 10W-30 or 10W -10°F and below - SAE 5W-20		
Engine Service Reqmt. (MM, MS, etc.)	MS		

### ENGINE – EXHAUST SYSTEM

		Both 390-2V & 390-4V	Both 427 & 428
Type (single, single with cross-over, dual, other)		Dual	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		*	*
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.00 x .084 Laminated	2.25 X .084 Laminated
	Main	2.00 x .075 Solid	2.25 X .075 Solid
Tail pipe dia. (O.D. & wall thickness)		2.00 x .060 Solid	2.25 X .060 Solid

### ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	
Control Unit	Make and model	Ford, AC or Chicago Screw
	Location	Rocker Arm 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)	Intake Manifold and 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

\* Two-Two Passage reverse flow, in resonator.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED <sup>(\*)</sup> 4-15-68MODEL CID 200-1V (a) 289-2V (a)

## ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air Injection, Carburetor and Distributor Modifications		
Air Injection Pump	Type	Positive Displacement Vane Type		
	Displacement	19.3 cu. in./rev.		
	Drive ratio	1.25:1	1.30:1 (1.25:1 with A/C)	
	Drive type	Belt and Pulley		
	Relief valve (type)	Pressure Sensitive Poppet		
	Filter (describe)	Centrifugal - Integral with Pump		
Air Injection System	Air distribution (head, manifold, etc.)	Air Manifold	Cylinder Head	
	Point of entry	Exhaust Ports in Cylinder Head		
	Injection tube I.D.	.260"		
	Check valve type	Poppet		
	Backfire protection (type)	By-Pass Valve		
Carburetor	Make	Autolite		
	Model <u>-9510-</u>	C80F-A	C8AF-AK	
	Barrel size	1.437	1.437	
	Idle speed	Drive	-	-
		Neutral	700 - 725	625 - 650
Idle A/F mixture	.093 @ 8 CFM			
Distributor (b)	Aux. Adv. Systems (type)	Positive Vacuum Switch		
	Make	Autolite		
	Model <u>-12127-</u>	C8DF-C	C8TF-F	
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 850	± 1° @ 400 - 1300
		Intermed. points deg. @ rpm	15° - 19° @ 1150 19° - 24° @ 4000	11° - 15° @ 2260 17.5° - 22° @ 4000
		Max. deg. @ rpm	28° @ 4000	22° @ 4000
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg. @ in. Hg Max. deg. @ in. Hg x Spark Retard	0° @ 1"	0° - 2.5° @ 5.7"
			0° - 6° @ 6"	0° - 6.5° @ 7.8"
11° - 17° @ 9"			10° - 16° @ 14"	
20° - 25° @ 14.5"			18° - 23° @ 23"	
		25° Max.	23° Max.	
		10° - 12°	10° - 12°	
Vacuum Source	Carburetor Air Stream and Intake Manifold			
Timing - Crank degrees @ rpm	4° to 8° BTC at Idle	3° to 9° BTC at Idle		
Cooling System (describe changes)	None			
Exhaust System (describe changes)	None			

(a) Only manual trans. information. For auto. trans. information see supplement on page 9B.

(b) Breaker gap - 200-1V - .026 - .028; 289-2V - .020 - .022

Cam angle - 200-1V - 35° - 39°; 289-2V - 25° - 29°

Breaker arm tension - 200-1V and 289-2V - 17 - 21 oz.

x Retard from initial setting at idle.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*) 4-15-68MODEL CID 302-4V (a) | 390-4V G. T. | 427-4V | 428-4V

## ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air Injection, Carburetor and Distributor Modifications				
Air Injection Pump	Type	Positive Displacement Vane Type				
	Displacement	19.3 cu. in./rev.				
	Drive ratio	1.30:1 (d) 1.06:1(1.04:1 A/C) 1.06:1			1.25:1	
	Drive type	Belt and Pulley				
	Relief valve (type)	Pressure Sensitive Poppet				
Filter (describe)		Centrifugal - Integral with Pump				
Air Injection System	Air distribution (head, manifold, etc.)	Air Manifold				
	Point of entry	Exhaust Ports in Cylinder Head				
	Injection tube I.D.	.260				
	Check valve type	Poppet				
Backfire protection (type)		By-Pass Valve				
Carburetor	Make	Autolite	Holley			
	Model -9510-	C8ZF-C	C8OF-C (c)	C8AF-AD	C8OF-AA (c)	
	Barrel size	P-1.437 S-1.562	1.562	1.562	1.68	
	Idle speed	Drive (Auto) Neutral (Std)	525 - 575 625 - 650	- 575 - 625	575 - 625 625 - 650	
	Idle A/F mixture	.086 @ 11 CFM		.082 @ 16 CFM		
Aux. Adv. Systems (type)		Positive Vacuum Switch				
Distributor	Make	Autolite				
	Model	-12127-	C8ZF-A	C8OF-D#	C7OF-F	C8OF-D#
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 850	+ 1° @ 400-850	0° @ 850	+ 1° @ 400-850
		Intermed. points deg. @ rpm	14.4° @ 1480	0° - 4° @ 950	17° - 18.8° @ 1450	0° - 4° @ 950
		Max. deg. @ rpm	14° - 19° @ 4000	15° - 19° @ 1480	26° - 29° @ 4000	15° - 19° @ 1480
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	0° @ 1"	0° - 2.5° @ 7.5"	0° @ 1"	0° - 2.5° @ 7.5"
		Intermed. points deg. @ in. Hg	0° - 6° @ 6"	0° - 6° @ 8.6"	0° - 8° @ 9.5"	0° - 6° @ 8.6"
		Max. deg. @ in. (X) Spark Retard	10° - 16° @ 10" 16° - 21° @ 15" 21° Max. 10° - 12°	8.5° - 14.2° @ 12" 14° - 19° @ 15" 19° Max. 10° - 12°	10.5° - 16.5° @ 13" 16° - 22° @ 16.4" 22° Max. None	8.5° - 14.2° @ 12" 14° - 19° @ 15" 19° Max. 10° - 12°
Vacuum Source		Carburetor Air Stream & Intake Manifold		Carburetor Air Stream		
Timing - Crank degrees @ rpm		3° to 9° BTC at Idle 4° to 8° BTC at Idle				
Cooling System (describe changes)		None				
Exhaust System (describe changes)		None				

(a) Only Manual trans. information. For auto. trans. information see supplement on page 9B.

(b) Breaker gap - 302-4V - .020 - .022; 390-4V - .020 - .022; 427-4V - .016 - .018

Cam angle - 302-4V - 25° - 29°; 390-4V - 25° - 29°; 427-4V - 27° - 31°

Breaker arm tension - All - 17 - 21 oz.

(c) C8OF-D - Auto. Trans.

(d) 1.25:1 with A/C

(e) C8OF-AB - Auto. Trans.

# Standard and Automatic Transmission

(X) Retard from initial setting at idle.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•)4-15-68  
AUTOMATIC TRANSMISSION

MODEL CID 200-1V | 289-2V | 302-4V | 390-2V

## ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Engine 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	Make	Autolite				
	Model <u>-9510-</u>	C8OF-B	C8ZF-G	C8ZF-D	C8OF-K	
	Barrel size	1.437	1.437	1.437-Pri. 1.562-Sec.	1.687	
	Idle speed	Drive	550 - 575	525 - 575		
		Neutral	-	-	-	-
Idle A/F mixture	.080 @ 9 CFM	.079 @ 12.5 CFM	.075 @ 9 CFM	.072 @ 16.5 CFM		
Aux. Adv. Systems (type)	Positive Vacuum Switch					
Distributor	Make	Autolite				
	Model <u>-12127-</u>	C8DF-D	C8OF-C	C8ZF-D	C8WF-A	
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 950	0° @ 950	0° @ 1250	0° @ 1000
		Intermed. points deg. @ rpm	5.5°-9.5°@1500	10°-14°@1520	11.5°-16°@2340	8°-12°@1600
		Max. deg. @ rpm	24°-28°@3800	20°-25°@4000	14°-19°@4000	19.5°-24.5°@4000
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	0° @ 1"	0° @ 1"	0° @ 1"	0° @ 1"
		Intermed. points deg. @ in. Hg	0°-6°@5"	0°-6°@7.7"	0°-5.5°@9"	0°-8°@9.5"
Max. deg. @ in. (X) Spark Retard.		8°-14°@8"	10°-16°@14"	8°-13.6°@13"	8°-14.6°@12"	
		12°-19°@11"	18°-23°@23"	13°-18°@17"	14°-20°@15"	
	19° Max.	23° Max.	18° Max.	25° Max.		
	10° - 12°	10° - 12°	None	10° - 12°		
Vacuum Source	Carburetor Air Stream and/or Intake Manifold					
Timing - Crank degrees @ rpm	4° to 8° BTC at Idle 3° to 9° BTC at Idle					
Cooling System (describe changes)	N.A.					
Exhaust System (describe changes)	N.A.					

- (a) Breaker gap — 200-1V - .026 - .028; 289-2V - .020 - .022; 302-4V - .016 - .018  
Cam angle — 200-1V - 35° - 39°; 289-2V - 25° - 29°; 302-4V - 27° - 31°  
Breaker arm tension — All - 17 - 21 oz.  
(X) Retard from initial setting at idle.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED <sup>(\*)</sup>4-15-68  
 ALL MODELS

MODEL CID 200-1V 289-2V 302-4V 390-2V 390-4V G.T. 427-4V 428-4V

**ENGINE - FUEL SYSTEM**

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U.S. gals.)	16	
	Filler location	Rear Center of Lower Panel	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Left-Hand Side of Engine	
	Pressure range	4-6 PSI	4.5 - 6.5 PSI
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	#1 Saran Plastic	#2 Nylon & Monel Cloth
	Locations	#1 In Fuel Tank	#2 In Fuel Line
Choke type		Automatic	
Intake manifold heat control (exhaust or water)		Hot and Cold Air Cleaner System	Exhaust Hot and Cold Air Cleaner System
Carburetor	Air cleaner type	Standard: Dry Replaceable Element	Optional: None
	Idle speed (spec. neutral or drive)	Manual	525-575 600-650 - 625-650
		Automatic	500-550 525-575 N/A 525-575
* (a)	Idle A/F mix.	.11@5CFM .097@8.5CFM .087@8.5CFM .095@10CFM N/A N/A	

**CARBURETOR SUPPLEMENTARY INFORMATION**

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
<u>Non-Emission</u>	200	Manual	Autolite	-9510- C8OF-E	Downdraft One	1.437
		Automatic	Autolite	C8OF-F	One	1.437
	289	Manual	Autolite	C8AF-AF	One	1.437
		Automatic	Autolite	C8OF-S	One	1.437
	302	Manual	Autolite	C8ZF-A	One	1.437-P 1.562-S
		Automatic	Autolite	C8ZF-B	One	1.437-P 1.562-S
	390	Manual	Holley	C7OF-A	One	1.562-Pri. & Sec
		Automatic	Holley	C7OF-B	One	1.562-Pri. & Sec
	428	Manual	Holley	C8OF-AA	One	1.68-Pri. & Sec.
		Automatic	Holley	C8OF-AB	One	1.68-Pri. & Sec.
<u>Emission</u>	200	Manual	See Page 9	See Page 9	Downdraft One	See Page 9
		Automatic	See Page 9B	See Page 9B	One	See Page 9B
	289	Manual	See Page 9	See Page 9	One	See Page 9
		Automatic	See Page 9B	See Page 9B	One	See Page 9B
	302	Manual	See Page 9A	See Page 9A	One	See Page 9A
		Automatic	See Page 9B	See Page 9B	One	See Page 9B
	390	Automatic	See Page 9B	See Page 9B	One	See Page 9B
	390	Manual	See Page 9A	See Page 9A	One	See Page 9A
	390	Automatic	See Page 9A	See Page 9A	One	See Page 9A
	427	Automatic	See Page 9A	See Page 9A	One	See Page 9A
428	Manual	See Page 9A	See Page 9A	One	See Page 9A	

\* With light off - Man. Trans. in neutral - Auto. Trans. in drive range (b) Auto-.095 @ 10 CFM.  
 (a) Non-Exh. Em. Control - See Pages 9, 9A & 9B for Exhaust (c) Auto-.089@ 9CFM Form Rev. 3-67



# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-15-68

MODEL CID 200-1V 289-2V 302-4V 390-2V 390-4V G.T. 427-4V & 428-4V

### ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure								
Radiator cap relief valve pressure		12 - 15 PSI								
Circulation thermostat	Type (choke, bypass)	Choke - Poppet Type								
	Starts to open at (a) (°F)	185° - 192°		188° - 195°						
Water pump	Type (centrifugal, other)	Centrifugal								
	GPM @ 1000 pump rpm	8		18		17				
	Number of pumps	One								
	Drive (V-belt, other)	V-Belt								
Bearing type (b)		Double Row Sealed Ball & Roller								
By-pass recirculation type (inter., ext.)		External								
Radiator core type (cellular, tube and fin, other)		Downflow, Tube and Fin								
Cooling system capacity	With heater (qt.)	9.5		15		20.5				
	Without heater (qt.)	8.5		14		19.5				
	Opt. equipment-specify (qt.)	None								
Water jackets full length of cyl. (yes, no)		Yes		No		Yes				
Water all around cylinder (yes, no)		Yes								
Radiator hose	Lower	Number and type (molded, straight)	One, Molded							
		Inside diameter	1.50 @ W/Pump		2.07 @ W/Pump					
	Upper	Number and type (molded, straight)	One, Molded							
		Inside diameter	1.25 @ Rad.		1.75		1.75 @ Radiator			
	By-pass	Number and type (molded, straight)	None		One, Molded		One, Straight			
		Inside diameter #	.615							
Fan	Number of blades & spacing	4 Uneven		6 Uneven		4 Uneven	5 Uneven	7 Uneven		
	Diameter	15.0		15.00		17.50		17.50 (Flex) 18.25		
	Ratio-fan to crankshaft rev.	See Page 11A & 11B								
	Fan cutout type	None					Thermo-Modulated			
	Bearing type	Water Pump Bearing								
* Drive belts (indicate belt used by letter)	Fan									
	Generator or alternator									
	Water Pump		SEE PAGE 11A & 11B							
	Power Steering									
Air Conditioning										
#		1. 200 CID Std. Cooling. 2. 200 CID Extra Cooling & Air Conditioning.								
		3. 289-2V, 302-4V Std. & Extra Cooling. 4. 289-2V, 302-4V A/C. 5. 390-4V G.T., 427-4V, 428-4V								

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V											
Nominal length (SAE)						SEE PAGE 11C					
Width											

(a) Fully Open at 212° F

(b) 200, 289 and 302 Engine - Double Row Sealed Ball for Non-Emission.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*)

MODEL \_\_\_\_\_

ENGINE	200 CID							
Ratio - Fan to Crankshaft Rev.	1.04:1	1.04:1	1.04:1	1.04:1	1.18:1	1.18:1	1.18:1	1.18:1
Fan	A	A	A D	A D	Two-C	Two-C	Two-C E	Two-C E
Alternator	A	A	A	A	Two-C	Two-C	Two-C	Two-C
Water Pump	A	A	A D	A D	Two-C	Two-C	Two-C E	Two-C E
Power Steering		B		B		B		B
Air Conditioning					Two-C	Two-C	Two-C	Two-C
Crankshaft	A	A B	A D	A B D	Two-C	B Two-C	Two-C	Two-C B
Fixed Idler								
Adjustable Idler								
Air Injection Pump			D	D			E	E
*	1-2	3	6	7	4	5	8	9

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>* 1. Standard Cooling.</li> <li>2. Extra Cooling.</li> <li>3. Power Steering (P/S).</li> <li>4. Air Conditioning (A/C).</li> <li>5. P/S &amp; A/C.</li> </ul> | <ul style="list-style-type: none"> <li>6. Air Injection Pump (A.I.P.).</li> <li>7. P/S &amp; A.I.P.</li> <li>8. A/C &amp; A.I.P.</li> <li>9. P/S, A/C, &amp; A.I.P.</li> </ul> |
|--|--|



# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-15-68

MODEL

ENGINE	289-2V & 302-4V	390-4V G.T. & 427-4V & 428-4V
Ratio - Fan to Crankshaft Rev.	.95:1 .95:1 .95:1 1.13:1 1.13:1 1.13:1 1.13:1 1.10:1 1.10:1 1.25:1	1.10:1 1.10:1 1.10:1 1.10:1 1.10:1 1.10:1 1.10:1 1.10:1 1.10:1 1.25:1
Fan	F F G J H G H J T W O - N L N T W O - H L H P P T W O - Q T W O - B B T	P P T W O - Q T W O - Q T W O - B B T
Alternator	F F H H T W O - N N T W O - H H T W O - Q T W O - B B	T W O - Q T W O - Q T W O - B B
Water Pump	F F G J H G H J T W O - N L N T W O - H L H P P T W O - Q T W O - B B T	T W O - Q T W O - Q T W O - B B T
Power Steering	G G L M M K K K L L R T	R T
Air Conditioning	M M M K K K T W O - N T W O - H H K L T W O - Q T W O - B B S T	S S S
Crankshaft	F F G J H G H J M L M N K L M N K H K L T W O - Q T W O - B B S T	R S T W O - Q T W O - B B S T
Fixed Idler	M M M K K K	K
Adjustable Idler	M M M K K K	K S S
Air Injection Pump	J J J K K K	P P S S S
*	1 & 2 3 4 5 6 7 8 9	1, 2 & 6 7 8 9

- \* 1. Standard Cooling.
- 2. Extra Cooling.
- 3. Power Steering (P/S).
- 4. Air Conditioning (A/C).
- 5. P/S & A/C.
- 6. Air Injection Pump (A.I.P.).
- 7. P/S & A.I.P.
- 8. A/C & A.I.P.
- 9. P/S, A/C, & A.I.P.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*)

MODEL \_\_\_\_\_

Drivebelt	A	B	C	D	E	F	G	H	J
Angle of "V"	36°	36°	36°	36°	36°	36°	36°	36°	36°
Nominal Length (SAE)	34.00	41.00	46.00	45.75	34.50	40.25	46.75	40.50	44.75
Width	15/32	15/32	15/32	15/32	3/8	15/32	15/32	15/32	15/32

Drivebelt	K	L	M	N	P	Q	R	S	T
Angle of "V"	36°	36°	36°	36°	36°	36°	36°	36°	36°
Nominal Length (SAE)	61.75	47.25	51.75	40.00	34.25	40.75	42.50	63.50	51.50
Width	1/2	15/32	1/2	15/32	15/32	15/32	1/2	1/2	15/32

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*)4-15-68

MODEL	CID	200-1V	289-2V	302-4V	390-2V	390-4V G. T.	427-4V	428-4V
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## ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Autolite C5AF-10655-A (a)				C8ZF-10655-A			
	Voltage Rtg. & Total Plates		12V, 54 Plates				12V, 66 Plates			
	SAE Designation & Amp. Hr. Rtg.		17 Mia. 45 Amp. Hr.				73 Amp. Hr.			
	Location		Right Hand Front Engine Compartment							
	Terminal grounded		Negative							
Generator or Alternator	Make		Autolite							
	Model		C6DF-10300-A (b)				C6TF-10300-A (b)			
	Type and rating		38 Amp. Self Current Limiting 38 Amp.							
	Output at engine idle (neutral)		7@12.8 Volts 6.0@12.8 Volts 8 @ 12.8 Volts							
Regulator	Ratio-Gen. to Cr/s rev.		2.3:1		2.5:1		2.36:1			
	Make		Autolite							
	Model		C5AF-10316-A (c)							
	Type		2-Unit - Voltage Control & Field Relay							
	Cutout relay	Closing voltage generator rpm		2.5 - 4 @ 75°						
		Reverse current to open		N.A.						
	Regu- lated	Voltage		14.1 - 14.7 @ 75°						
		Current		N.A.						
Voltage test conditions	Temperature		75°							
	Load		5 Amp.							
	Other		None							

## ELECTRICAL – STARTING SYSTEM

Starting Motor	Make		Autolite							
	Model -11001-		C7ZF-A*		C7AF-B	C7AF-F**	C7AF-C	C7AF-E	C7AF-E	C8AF-A <sup>***</sup> (428-4V)
Rotation (drive end view)		Clockwise								
Switch (solenoid, manual)		Solenoid								
Motor control	Starting procedure		Turn ignition key to spring loaded start position.							
Motor Drive	Engagement type		Positive Electro Mechanical							
	Pinion meshes (front, rear)		Front							
	Number of teeth	Pinion		9		9		9		
		Flywheel	Manual		136		157		176	
	Auto.		132		157		184			
Flywheel tooth face width	Manual		.365		.365		.365			
	Auto.		.365		.365		.365			

(a) C5AF-B, 55 Amp. Hr. - H. D. option available, standard for 390 CID engine with automatic transmission and 200 Engine with A/C.

(b) 55 Amp. Alternator required with A/C.

(c) C5TF-10316-A with 55 Amp. Alternator.

\* C7OF-11001-A for automatic transmission.

\*\* C7AF-11001-B for automatic transmission.

\*\*\* C7AF-11001-C with 390-2V engine.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (a) 4-15-68  
 ALL MODELS  
 MODEL CID 200-1V 289-2V

### ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Std.	
	Transistorized – Std., Opt., N.A.		N.A.	
	Other (specify)		-	
Coil	Make		Autolite	
	Model		FAC-12029-A	
	Amps	Engine stopped	4.5	
		Engine idling	2.5	
Distributor  (a)	Make		Autolite	
	Model		-12127- C5DF-E C70F-A	
	adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm) (WOT)	Vacuum	0° - 2° @ 1150
		Intermediate points deg.@rpm	0° - 2° @ .3" @ 1100 15.5° - 17.5° @ 1.6" @ 2200	14° - 16° @ 1800 19.6° - 22.4° @ 3000
		Max. deg.@rpm	20.5° - 23° @ 3.8" @ 4000	24° - 27.5° @ 4000
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.) (PT)	27.5° - 30.5° @ 6.8"	0° - 2.3° @ 5.8"
		Intermediate points, deg.@in. Hg.	28 - 31 @ 7.9"	0° - 5.8° @ 7" 10.8° - 16.8° @ 12"
		Max. deg. in. Hg.	25.5" - 28.5" @ 7.0"	16° - 22° @ 17"
	Breaker gap (in.)		.024 - .026	.016 - .018
	Cam angle (deg.)		35° - 38°	27° - 31°
Breaker arm tension (oz.)		17 - 21		
Timing(a)	Crankshaft deg.@rpm		.4° to 8° BTC 3° to 9° BTC	
	Mark location		Crankshaft Damper	
Spark Plug	Make		Autolite	
	Model		BF-82 BF-32	
	Thread (mm)		18MM	
	Tightening torque (lb. ft.)		15 - 20	
	Gap		.032 - .036	
Cable	Conductor type		Resistance Core Cable	
	Insulation type		Neoprene Sheath	
	Spark plug protector		Syn. Boot (Neoprene)	

### ELECTRICAL – SUPPRESSION

Capacitors in Alternator and Voltage Regulator  
 Resistance Core Ignition Cable and Hood Ground

Locations & type

(a) Non-Emission Manual Transmission information shown, for Automatic Transmission or Emission information see supplements on pages 13B and 9 respectively.

\* At Idle: 525 - 575 RPM - 200-1V  
 525 - 575 RPM - 289-2V

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (~~4~~-15-68)

ALL MODELS

MODEL CID | 302-4V | 390-4VG.T. | 427-4V | 428-4V

## ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Std.		
	Transistorized – Std., Opt., N.A.		N.A.		
	Other (specify)		-		
Coil	Make		Autolite		
	Model		FAC-12029-A		
	Amps	Engine stopped	4.5		
		Engine idling	2.5		
Distributor (a)	Make		Autolite		
	Model		-	C70F-H N.A.	
	Cent'fgal adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm)	-	0° - 2° @ 760	+ 1° @ 0-750
		Intermediate points deg.@rpm	-	9.6°-11.6°@1080 14°-16.5°@2400	See Pg. 9A 0°-3°@ 800 (Auto. Trans) 9.5°-11.5°@1100
		Max. deg.@rpm	-	19.5°-22.5°@4000	19.5°-22.5°
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)	-	0° - 2.5° @ 8"	0°-2.5°@ 8"
		Intermediate points, deg.@in. Hg.	-	0° - 8° @ 9.5" 8.4° - 14.4° @ 12"	0°-6° @ 10" 12°-18°@14.7"
		Max. deg. in. Hg.	-	12°-18° @ 13.8"	18° @ 14.7"
	Breaker gap (in.)		.016 - .018	.019 - .021	
	Cam angle (deg.)		27° - 31°		
Breaker arm tension (oz.)		17 - 21	27 - 32		
* Timing(a)	Crankshaft deg.@rpm		3° to 9° BTC	9° to 15° BTC	
Mark location		Crankshaft Damper			
Spark Plug	Make		Autolite		
	Model		BF-32	BF-32	
	Thread (mm)		18MM		
	Tightening torque (lb. ft.)		15 - 20		
Gap		.032 - .036			
Cable	Conductor type		Resistance Core Cable		
	Insulation type		Neoprene Sheath		
	Spark plug protector		Syn. Boot (Neoprene)		

## ELECTRICAL – SUPPRESSION

Capacitors in Alternator and Voltage Regulator

Locations &amp; type

Resistance Core Ignition Cable and Hood Ground

(a) Non-Emission Manual Transmission information shown, for Automatic Transmission or Emission information see supplements on pages 13B and 9A respectively.

\* At Idle: 525-575 RPM - 302-4V  
600-650 RPM - 390-4V

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-15-68

MODEL NON-EMISSION - AUTOMATIC TRANSMISSION

Model 200-1V CID 289-2V CID 302-4V CID 390-4V CID G.T. 428-4V

Distributor "

Centrifugal Advance "

Crankshaft Degrees at Engine RPM

See Pg. 13A(a)

Model	C5DF-12127-K (Vacuum-W.O.T.)	C70F-12127-B	C7ZF-12127-E	C7AF-12127-U
Start	0°-2°@.4"@1425 7.4°-9.6°@1.9"@2400	0°-2° @ 780 13.5°-15.5°@1320	See Page 13A (a)	0°-2° @ 750 10.5°-12.5°@1100
Intermediate		17°-19.5°@2600		15°-17.5°-2600
Maximum	14°-16.5°@3.8"@4000	21°-24.0°@4000		19.5°-22.5°@4000

Vacuum Advance

Crankshaft Degrees At In. Hg.

	(P.T.)			
Start	22.5°-25.5°@6.8"	0°-2.5° @ 6"		0°-3° @ 8"
Intermediate	22°-25° @ 7.9"	0°-7.3° @ 7.4" 12.3°-18.3°@11"		0°-8° @ 9.5" 8.4°-14.5°@12"
Maximum	21°-24° @ 7.0"	19°-25° @ 16"		16°-22° @ 16.4"
Timing *	9° to 15° BTC	3° to 9° BTC	3° to 9° BTC	9° to 15° BTC

Breaker gap, cam angle and breaker arm tension (a)

(a) Same as for Manual Transmission.

\* At Idle: 500-550 RPM In Drive - 200-1V, 289-2V, 302-4V  
525-575 RPM In Drive - 390-4V

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*) 4-15-68  
 ALL MODELS

MODEL CID 200-1V 289-2V 302-4V 390-4V G.T. 427-4V 428-4V

## ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	Ford
	Trip odometer (yes,no)	No
Charge indicator – type		Electric Gage
Temperature indicator – type		Electric Gage
Oil pressure indicator – type		Electric Gage
Fuel indicator – type		Electric Gage
Other		Tachometer and trip odometer optional
Wind-shield wiper	Type – Standard	Electric Two-Speed -
	Type – Optional	
Wind-shield washer	Type – Standard	Foot Operated Pump
	Type – Optional	
Horn	Type	Electric
	Number used	Two
	Amp draw (each)	5.5 Each

## DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		Semi-Centrifugal, Single Disc, Dry Plate				
Type pressure plate springs		Coil				
Total spring load (lb.)		1158 (1)	1404 (2)	1818 (3)	N.A.	2100(4)
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	N.A.	11.5 x 7
	Total eff. area (sq.in.)	70.7	85.5	113.1		130.0
	Thickness	.125	.125	.125		
	Engagement cushioning method	Torband Disc				
Release bearing	Type & method of lubrication	Angular Contact, prepacked sealed				
Torsional damping	Methods: springs, friction material	Spring Steel				

(1) 200 CID 1V

(2) 289 CID 2V  
302 CID 4V(3) 390 CID 4V  
(4) 428-4V

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*) 4-15-68

	ALL MODELS					
MODEL	CID	200-1V	289-2V	302-4V	390-4V G.T.	428-4V 427-4V

### DRIVE UNITS – TRANSMISSIONS

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

### DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3-Speed (a)	4-Speed (b)	3-Speed (c)	4-Speed (d)	
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		1st, 2nd, 3rd	1st, 2nd, 3rd, 4th	1st, 2nd, 3rd	1st, 2nd, 3rd, 4th	
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					

### 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, 289-2V and 302-4V Engines.
- (b) Optional with 289-2V, 302-4V and 390-4V G.T. Engines.
- (c) Standard with 390-4V G.T. Engine.
- (d) Optional with 390-4V G.T. Engine, and 428-4V Engine
- (e) Optional with 428-4V Engine.



# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (a) 4-15-68  
ALL MODELS

<b>MODEL</b>	<b>CID</b>	<u>200-1V</u>	<u>289-2V</u>	<u>302-4V</u>	<u>390-4V G.T.</u>	<u>427-4V</u> <u>428-4V</u>
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### DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		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		2.46:1 D & 1			2.46:1 D & 1	
		1.46:1 D & 2			1.46:1 D & 2	
		1.00:1 D			1.00:1 D	
		2.20:1 R			2.175:1	
Max. upshift speed—drive range		76	79	79	85	88
Max. kickdown speed—drive range		74	77	77	76	86
Torque converter	Number of elements	Three				
	Max. ratio at stall	2.10:1	2.02:1	2.02:1	2.00:1	2.00:1
	Type of cooling (air, liquid)	Liquid				
Lubricant	Nominal diameter	10.25	11.25		12.00	12.00
	Capacity—refill (pt.)	16	18		26	26
Special transmission features		Type - Transmission M-2C33F				

### DRIVE UNITS – PROPELLER SHAFT

Number used		One				
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Exposed				
Outer diam. x length* x wall thickness	Manual 3-speed trans.	2.50" x 51.00" x .065"	2.75" x 50.96" x .065"		3.00" x 50.02" x .065"	N.A.
	Manual 4-speed trans.		2.75" x 50.96" x .065"		3.00" x 50.02" x .065"	3.9 x 50.2 x .065
	Overdrive transmission	Not Available				
	Automatic transmission	3.00" x 50.96" x .065" (T & T)			3.00" x 46.58" x .065"	3.5 x 46.58 .065

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

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-15-68  
 ALL MODELS

MODEL CID 200-1V 289-2V 302-4V 390-4V G.T. 427-4V- 428

### DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)	None					
	Lubrication (fitting, prepack)	None					
Slip Yoke	Type						
	Number of teeth	28	28	28	28 Manual	31 Automatic	31
	Spline O.D.	1-1/2	1-1/2	1-1/2	1-1/2 Manual	1-11/16 Automatic	1-11/16
Universal joints	Make and Mfg. No.	Dana 1110	Ford 1260	Ford 1310	Ford 1330	Ford 1330	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)							

### DRIVE UNITS – AXLE

Type (front, rear)		Rear						
Description		Conventional, semi-floating, overhung pinion (6 Cyl.) Conventional, semi-floating, straddle mounted pinion (8 Cyl.)						
Limited Slip differential, type		Optional						
Drive Pinion Offset		1.50			2.25			
No. of differential pinions		Two			Four			
Pinion adjustment (shim, other)		Shim						
Pinion bearing adj. (shim, other)		Collapsible Spacer						
Wheel bearing type		Single Row, Double Sealed Ball						
Lubricant	Capacity (pt.)	2.5		4.0		5		
	Type recommended	M2C-104A			M2C-105-A*			
	SAE viscosity number	Summer	SAE 90					
		Winter	SAE 90					
Extreme cold		SAE 75						

### AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.91	4.30	2.79	2.83:1	3.00:1	3.20:1	3.25:1	3.50:1
No. of teeth	Pinion	11	10	14	12	13	10	12	10
	Ring gear	43	43	39	34	39	32	39	35
Ring Gear O.D.				8	7-1/4	8.0-9.0	7-1/4	8.0-9.0	9.0

\* For Equa-Lock Axle Assy.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (\*) 4-15-68  
 ALL MODELS  
 MODEL CID 200-1V 289-2V 302-4V

## DRIVE UNITS – WHEELS

Type & material		Stamped Steel	
Rim (size & flange type)	Std.	14 x 5 JJ.	
	Opt.	N.A.	14 x 6 Styled Wheel 14 x 6 Stamped Steel
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.5	
	Number and size	Four - $\frac{1}{2}$ "	Five - $\frac{1}{2}$ "

MODEL \_\_\_\_\_

## DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply	6.95 x 14 4 PR BSW		
	Type (bias, radial, etc.)	Bias		
	Full rated Inflation Press. (a)	Front	26	
		Rear	26	
	Rev./Mile at 50 MPH	817		
Optional	Size, ply rating, & ply •	6.95 x 14 WSW	7.35 x 14 BSW & WSW	
		7.35 x 14 BSW & WSW	F70 x 14 WSW (3) FR70 x 14 WSW (1) (3) E70 x 14 WSW (2)	

## BRAKES – PARKING

Type of control		Hand operated "Cane" handle
Location of control		L-Hand 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)	-

- (1) With Handling Suspension Only.  
 (2) With Styled Wheel Only.  
 (3) With 14 x 6 Wheel Only.

- (a) Tire pressures to provide maximum fuel economy  
 4 ply rated tires - inflate to 32 PSI maximum  
 8 ply rated tires - inflate to 40 PSI maximum

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

# AMA Specifications—Passenger Car

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 MODEL CID 390-4V ALL MODELS 302-4V G.T. 390-4V G.T. 427-4V & 428

### DRIVE UNITS - WHEELS

Type & material		Stamped Steel	
Rim (size & flange type)	Std.	14 x 6 JJ	14 x 6 JJ Styled Wheel
	Opt.	14 x 6 JJ Styled Wheel	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.5	
	Number and size	Five - 1/2"	

MODEL \_\_\_\_\_

### DRIVE UNITS - TIRES

Standard	Size, ply rating, & ply		7.35 x 14 4 PR BSW	F70-14 WSW	FR70 - 14 (Belted)
	Type (bias, radial, etc.)		Bias	Bias	Bias-Belted
	Full rated Inflation Press. (a)	Front	25	24	28
		Rear	25	24	28
Rev./Mile at 50 MPH		801	784	788	
Optional	Size, ply rating, & ply •		7.35 x 14 WSW F70 x 14 WSW (3) FR70 x 14 WSW(1)(3) E70 x 14 WSW (2)	FR70 x 14 WSW (3)	N.A.

### BRAKES - PARKING

Type of control		Hand operated "Cane" handle
Location of control		L-Hand 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)	-

- (1) With Handling Suspension Only.
- (2) With Styled Wheel Only.
- (3) With 14 x 6 Wheel Only.

- (a) Tire pressures to provide maximum fuel economy  
 4 ply rated tires - inflate to 32 PSI maximum  
 8 ply rated tires - inflate to 40 PSI maximum

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

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (a) 4-15-68  
 ALL MODELS

MODEL CID 200-1V 289-2V 302-4V 390-4V G.T. 427-4V& 428

### BRAKES—SERVICE

Type (drum or disc)		Duo-Servo			Disc (Power)		
Self adjusting (std., opt., N.A.)		Standard					
Power brake make & type (remote, int., etc.)	Std.	N.A.					
	Opt.	N.A.	Disc (a)		N.A.		
Effective area (sq. in.)*		109.5	129.7	139.8	Swept-Frt. 214.0		
Gross lining area (sq. in.)**		131.0	154.7	163.4	Swept-Rear 110.8		
Swept area (sq. in.)***		212.0	251.3	267.1	Total 324.8		
Percent brake effectiveness - front		61.4	62.3	64.5	-		
Drum or Disc	Diameter (nominal)	Front	9.0	#10.0	#10.0 Flared	11.3	
		Rear	9.0	10.0	10.0	10.0	
	Type and material		Cast Iron	Cast Iron	Cast Iron	Cast Iron	
	Disc (vented or solid)					Vented	
No. pistons per caliper					1		
Wheel cylinder bore	Front		1.062	2.375	1.094	2.375	
	Rear		.844	.875	.813	Common with Drums	
Master Cylinder	Bore		1.00	1.00	1.00	1.00	
	displacement distribution	Front %	61	61	61	65	
		Rear %	39	39	39	35	
	Type (proportion, delay, metering, other)					Proportion	
Pedal arc ratio		6.3:1			3.0:1		
Line pressure at 100 lb. pedal load		780			1050		
Shoe clearance adjustment		0.020			-		
Brake lining	Drum or Disc		Drum			Disc	
	Bonded or riveted		Riveted			Bonded	
	Front Wheel	Material		Asbestos			
		Size (length x width x thickness)	Prim. or out-board	2.25 x 7.66 x .22	2.25 x 8.46 x .18	2.50 x 8.46 x .18	4.9 x 2.07 x .38
			Second. or in-board	2.25 x 9.82 x .25	2.25 x 10.88 x .25	2.50 x 10.88 x .25	4.9 x 2.07 x .38
		Segments per shoe		One			
	Rear Wheel	Material		Asbestos			
		Size (length x width x thickness)	Prim. or out-board	1.5 x 7.66 x .22	1.75 x 8.46 x .18		
			Second. or in-board	1.5 x 9.82 x .25	1.75 x 10.88 x .25		
		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, Same as 427 - Standard on 390-4V G.T. with G.T. Package.

## AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-15-68  
ALL MODELS

MODEL CID 200-1V 289-2V 302-4V 390-4V G.T. 427-4V & 428

## STEERING

Manual (std., opt., NA)		Standard	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Dual Tilt	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	16.0	
	Power	16.0	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	39.43
		Curb to curb (l. & r.)	37.6
	Inside rear	Wall to wall (l. & r.)	21.26
		Curb to curb (l. & r.)	21.22
Outside whl. angle with inside whl. at 20°			18° 40'
Manual	Gear	Type	Recirculating Ball and Nut
		Make	Ford
		Ratios	Gear 19.88 Overall 25.3
	No. wheel turns		4.64
	Type (coaxial, linkage, etc.)		Linkage
Power	Gear	Type	Recirculating Ball & Nut
		Ratios	Gear 16.0 Overall 20.32
		Pump driven by	
	Number wheel turns		3.74
	Type		Parallelogram with cross link
Linkage	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	Friction Washer in upper ball joint
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		+ 1/4° / - 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	1.75 I.D.
		Outer bearing	.75 I.D.
	Thread size		3/4 - 16 NF3
	Bearing type		Tapered Roller

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-15-68  
 ALL MODELS

MODEL CID 200-1V 289-2V 302-4V 390-4V G.T. 427-4V & 428

### 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	1.0 (a)	1.0 (a)	1-3/16 (b)
Other special features						

### SUSPENSION – FRONT

Type and description		Independent S.L.A. drag strut, ball joints, coil springs mounted over upper arm, shock absorber.				
Spring	Type	Coil				
	Material	Steel SAE 5160				
	Size (coil design height & I.D. bar length x dia.)	10.04x3.87 128 x .57	10.04x3.87 134 x .60	10.04x3.87 134 x .60	10.04x3.87 127 x .60	10.04x3.87 123.2 x .65
	Spring rate (lb. per in.)	220	245	245 (c)	260 (c)	365
	Rate at wheel (lb. per in.)	95	103	103	115	125
Stabilizer	Type (link, linkless, frameless)	Link Type				
	Material & bar diameter	.69	.69	.69 (a)	.72 (a)	.95

### SUSPENSION – REAR

Type and description		Hotchkiss Drive (f)				
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 (e)	85 (e)	85 (e)	135
	Rate at wheel (lb. per in.)	110	110	110	110	149
	Mounting insulation type	Silent block (Frt.) Split Type Rubber Bushing Rear				
	If leaf	No. of leaves	Four			
Stabilizer	Shackle (comp. or tens.)	Compression				
	Type (link, linkless, frameless)	None				
	Material					
Track bar type		None				

- (a) 1-3/16 Gabriel Adjustomatic used with G.T. Package.
- (b) 1-3/16 Gabriel Adjustomatic.
- (c) 320 Rate Springs used with G.T. Package.
- (d) .85 Stabilizer Bar used with G.T. Package.
- (e) 115 Rate Springs used with G.T. Package.
- (f) 428-CJ with manual transmission employs a staggered rear shock absorber arrangement.



# AMA Specifications—Passenger Car

MAKE OF CAR	MUSTANG	MODEL YEAR	1968	DATE ISSUED	9-1-67	REVISED (•)	
				ALL MODELS			
MODEL	CID	65A	76A	63A			

**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	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 ignition switch				
Vent window control method (crank, friction pivot)	Front	Friction Pivot			
	Rear	Slide Type Quarter Extractors (a)			
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	1070.4	1070.4	1070.4		
Side glass exposed surface area	1073	1039.8	913.6		
Backlight glass exposed surface area	803.0	513.2	1453.6		
Total glass exposed surface area	2946.4	2623.4	3437.6		



# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•)  
ALL MODELS

MODEL 65A 76A 63A

## CONVENIENCE EQUIPMENT

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

Power windows	Side windows	NA
	Vent windows	NA
	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)		NA
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		NA
Power antenna		NA
Clock		Optional
Air conditioner (specify type and availability)		Ford Selectaire Integrated with Heater
Speed warning device		NA
Speed control device		Opt.
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		Opt.
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
Dual Tilt Column		Opt.
Low Fuel Warning Lamp		Opt.
Door Ajar Warning Lamp		Opt.
Seat Belt Warning Lamp		Opt.

## LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	25.4
		Lowest	NA
	Tail	Highest	23.5
		Lowest	NA
	Sidemarker	Front	17.7
		Rear	21.7
Distance from C/L of car to center of bulb	Headlamp	Inside	NA
		Outside *	28.2
	Tail	Inside	NA
		Outside	24.8
	Directional	Front	26.5
		Rear	24.8

\* If single headlamps are used enter here.

# AMA Specifications—Passenger Car

MAKE OF CAR MUSTANG MODEL YEAR 1968 DATE ISSUED 9-1-67 REVISED (•) 4-24-68

## WEIGHTS

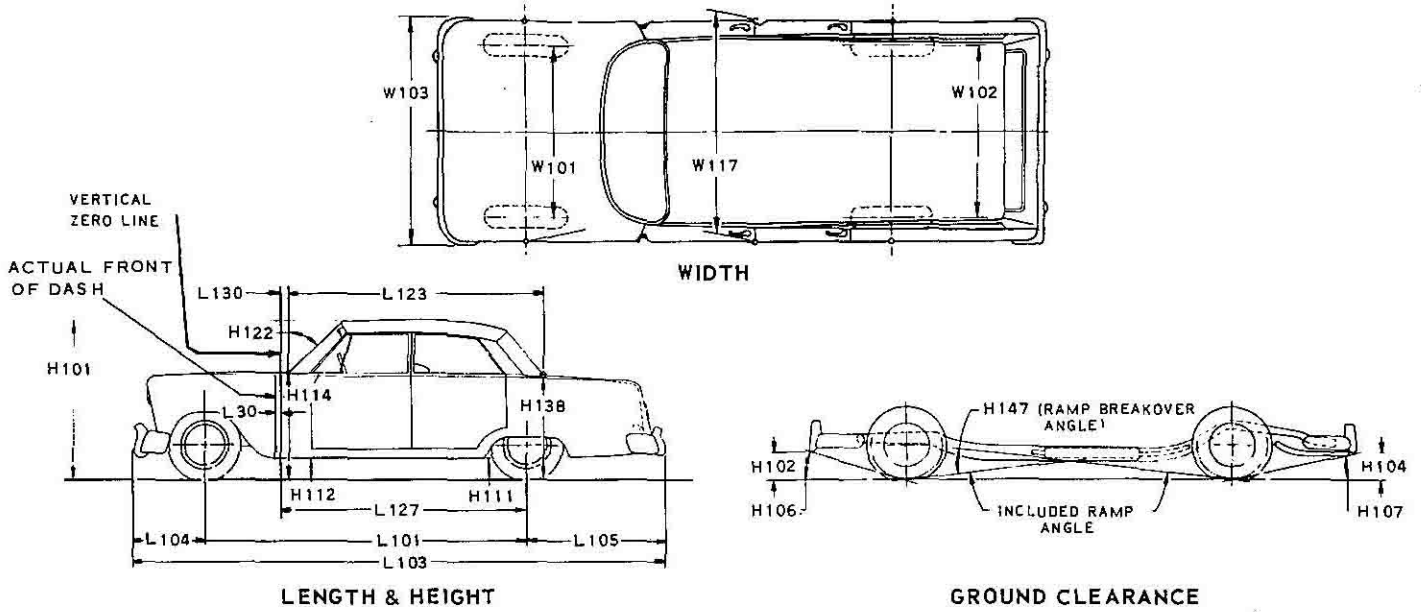
Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
200-1V CID with 3-Spd. Man.								
2-Dr. Hardtop 65A	1508	1747	2755	42	58	17	83	2632
2-Dr. Fastback 63A	1494	1285	2779	42	58	18	82	2656
Convertible 76A	1544	1321	2865	42	58	17	83	2742
289 2V V8 over 200 1V	160	48	208					
302 4V V8 over 200 1V	187	54	241					
390 2V V8 over 200 1V	401	135	536	Automatic Transmission Only				
390 4V GT over 200 1V	413	147	560	Incl. GT W/4-Spd. Manual				
427 4V V8 over 200 1V	451	147	598	Automatic Transmission Only				
428 4V CJ V8 over 200 1V	460	146	606	Incl. GT W/4-Spd. Manual & Pwr. Strg.				
3-Spd. Auto over 3-Spd. Man.	-22	5	-17	200-1V				
" " " "	-14	6	-8	289-2V				
" " " "	-25	-1	-26	302-4V				
3-Spd. Auto over 4-Spd. Man.	19	2	21	390-4V				
3-Spd. Auto over 4-Spd. Man.	18	-3	15	428-4V CJ				
Speed Control	5	1	6	8 Cyl. Auto Only				
7.35x14 over 6.95x14 Tires	3	5	8	289 & 302				
FR70x14 over 7.35x14 Tires	6	11	17					
14x6" Wheels over 14x5"	7	12	19					
Full Wheel Covers	1	1	2					
55AH over 45AH Battery	8	-1	7					
Accessories & Equipment Differential Weights				Remarks				
Power Conv. Top	1	8	9					
Conv. Glass Backlite	0	3	3					
Vinyl Roof	3	5	8					
Luggage Carrier	-3	14	11					
Bench Seat over Bucket	4	5	9					
Dual Tilt Strg. Col.	4	2	6					
Exterior Decor	2	1	3					
4-Spd. Man. over 3-Spd. Man.	15	5	20	289-2V				
" " " "	11	4	15	302-4V				
Radio AM/FM	7	2	9	Radio AM -- Fr. 5 Rr. 2 Total 7				
Radio and Stereo Tape	9	3	12					
Air Conditioner	75	0	75					
Power Steering	28	0	28					
Power Disc Brakes	22	2	24	289-2V & 302-4V				
" " "	15	2	17	390-4V				
G. T. Equipment Group	43	32	75	289-2V & 302-4V (a)				
" " " "	26	14	40	390-4 G. T. (a)				
F70-14 over 6.95x14 Tires	9	16	25					
Styled Wheels over 14x5" Whls	9	16	25					
Full Console	6	6	12					

(a) Does not include engine or transmission weight.

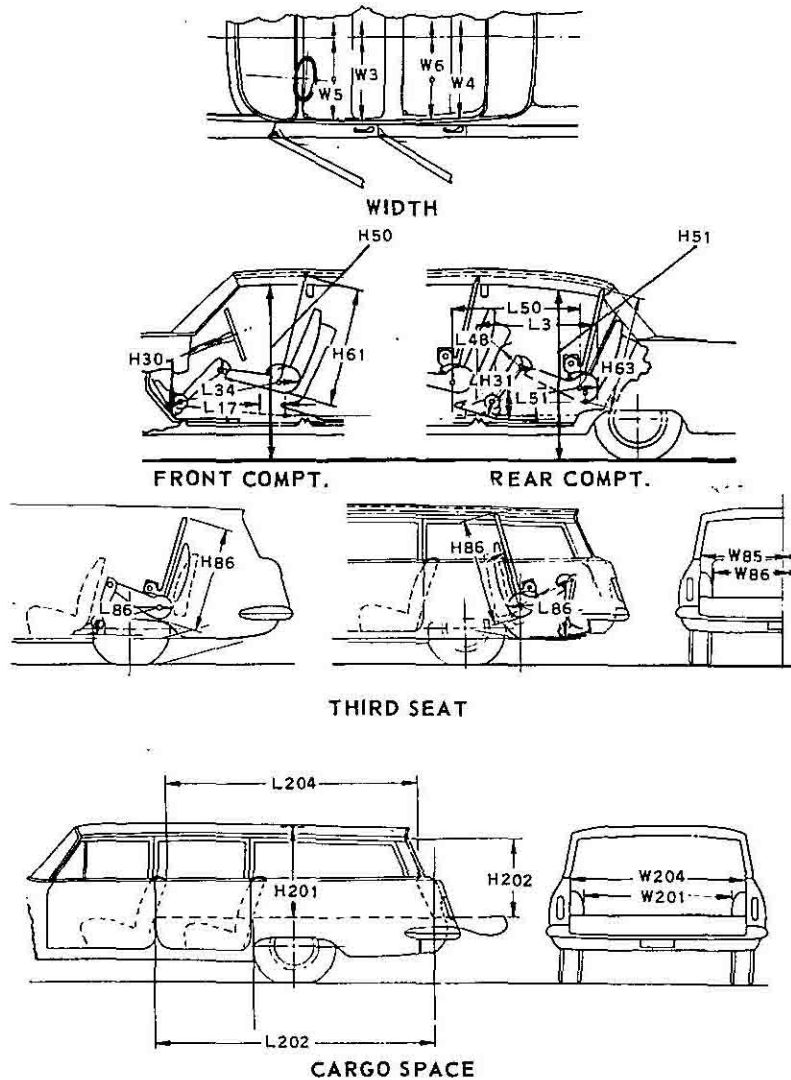
## CAR AND BODY DIMENSIONS

### 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 wheelhousings 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-and lift-gates 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.

W4xL204xH201

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