

# AMA Specifications – Passenger Car

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<b>MANUFACTURER</b> FORD MOTOR COMPANY	<b>CAR NAME</b> FORD (8 Cylinder)				
<b>MAILING ADDRESS</b> P. O. BOX 2053 DEARBORN, MICHIGAN	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"><b>MODEL YEAR</b> 1964</td> <td style="width: 50%; padding: 5px;"><b>ISSUED:</b> 10-1-63</td> </tr> <tr> <td></td> <td style="padding: 5px;"><b>REVISED (e)</b></td> </tr> </table>	<b>MODEL YEAR</b> 1964	<b>ISSUED:</b> 10-1-63		<b>REVISED (e)</b>
<b>MODEL YEAR</b> 1964	<b>ISSUED:</b> 10-1-63				
	<b>REVISED (e)</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>
Custom	6	
2-Door Sedan	6	62E
4-Door Sedan	6	54E
Custom 500		
2-Door Sedan	6	62B
4-Door Sedan	6	54B
Galaxie 500		
2-Door Sedan	6	62A
4-Door Sedan	6	54A
2-Door Hardtop	6	63B
4-Door Hardtop	6	57B
2-Door Convertible	6	76A
Galaxie 500 XL		
2-Door Hardtop	5	63C
4-Door Hardtop	5	57C
2-Door Convertible	5	76B
Station Wagon		
4-Door Country Sedan	6	71B
4-Door Country Sedan	9	71C
4-Door Country Squire	6	71E
4-Door Country Squire	9	71A

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## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	62	54	63	57	76	71
Wheelbase (L101)	23	119.0					
Tread	Front (W101)	61.0					
	Rear (W102)	60.0					
Maximum Overall Dimensions	Length (L103)	209.8					
	Width (W103)	80.0					
	Height (H101)	56.5			55.5		57.8
Transmission— (Specify trade name - opt., not available)	Manual	3-Speed Synchromesh 4-Speed Synchromesh Optional					
	Overdrive	Optional					
	Automatic	Cruise-O-Matic Optional					
Axle ratio	Manual	See page 3 and 17					
	Overdrive	See page 3 and 17					
	Automatic	See page 3 and 17					
Tire size	18	See page 18					
Engine	Type, no. cyl., valve arr.	90° V, 8, OHV					
	Fuel system (Carb., other)	Carburetor					
	Bore and stroke	4.00 x 2.87		4.00 x 3.50		4.05 x 3.78	
	Piston displ., cu.in.	289		352		390	
	Std. compression ratio	8.6:1 Nom. 9.0:1 Max.		8.9:1 Nom. 9.3:1 Max.		9.7:1 Nom. 10.1:1 Max.	
	Max. bhp at engine rpm	195 @ 4400		250 @ 4400		300 @ 4600 330 @ 5000 (a)	
	Max. torque at rpm	282 @ 2400		352 @ 2800		427 @ 2800 427 @ 3200 (a)	

(a) Interceptor.

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ALL MODELS						
<b>MODEL</b>	289 CID	352 CID	390 CID			

## ENGINE—GENERAL

Type, no. cyls., valve arr.		90°V, 8, OHV				
Bore and stroke (nominal)		4.00 x 2.87	4.00 x 3.50	4.05 x 3.78		
Piston displacement, c.v. in.		289	352	390		
Bore spacing (C/L to C/L)		4.38	4.63			
No. system (front to rear)	L. Bank	5-6-7-8				
	R. Bank	1-2-3-4				
Firing order		1-5-4-2-6-3-7-8				
Compras. ratio (nominal)		8.6:1	9.0:1 Max.	8.9:1	9.3:1 Max.	9.7:1 10.1:1 Max.
Cylinder Head Material		Cast Iron				
Cylinder Block Material		Cast Iron				
Cylinder Sleeve—Wet, dry, none		None				
Number of mounting points	Front	Two				
	Rear	One				
Engine installation angle		4° 30'	4° 40'			
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		51.20				52.49
Published max. bhp* @ eng. RPM		195 @ 4400	250 @ 4400	300 @ 4600 330 @ 5000 (b)		
Published max. torque* (lb. ft. @ RPM)		282 @ 2400	352 @ 2800	427 @ 2800 427 @ 3200 (b)		
Recommended fuel regular - premium		Regular			Premium	
Idle speed (spec. neutral or drive)	Manual	575 - 600 (Neutral)				
	Automatic	475 - 500 (Drive)				

## ENGINE—PISTONS

Material		Cast aluminum alloy with steel struts				
Description and finish		Cast aluminum alloy with steel struts, slipper skirt, cam ground, and tin plated. Autothermic type (a).				
Weight (piston only) oz.		21.27	24.68	24.51		
Clearance (limits)	Top land	.0350 - .0427	.0182-.0205 Radial	.0180 - .0212 Radial		
	Skirt	Top	.0024 - .0030 (c)			
		Bottom	--	.0015-.0021 Diametral		
Ring groove depth	No. 1 ring	.215 - .222 Radial	.1891-.1962 Radial	.204 - .211 Radial		
	No. 2 ring	.215 - .222 Radial	.1891-.1962 Radial	.204 - .211 Radial		
	No. 3 ring	.184 - .191 Radial	.1856-.1927 Radial	.1855 - .1925 Radial		
	No. 4 ring	None				

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

- (a) 352 CID engine same except for "full skirt".
- (b) Police Interceptor.
- (c) At centerline of pin hole.

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## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
62-54-63 57-76	289	2V	9.0	195 @ 4400	282 @ 2400	Manual 3-Speed Overdrive Cruise-O-Matic XP Cruise-O-Matic FX	3.25, 3.50, 3.89 3.50, 3.89 3.00 3.00, 3.50
71	289	2V	9.0	195 @ 4400	282 @ 2400	Manual 3-Speed Overdrive Cruise-O-Matic XP Cruise-O-Matic FX	3.50, 3.89 3.89 3.25, 3.50 3.25, 3.50, 3.89
62-54-63 57-76	352	4V	9.3	250 @ 4400	352 @ 2800	Manual 3-Speed Cruise-O-Matic MX	3.25, 3.50, 3.89 3.00
71	352	4V	9.3	250 @ 4400	352 @ 2800	Manual 3-Speed Cruise-O-Matic MX	3.50, 3.89 3.00
62-54-63 57-76-71	390	4V	10.1	300 @ 4600	427 @ 2800	Manual 3-Speed Manual 4-Speed(a) Overdrive Cruise-O-Matic MX	3.50, 3.89 3.50, 3.89 3.50, 3.89 3.00, 3.50
62-54-63 57-76-71	390	4V	10.1	330 @ 5000	427 @ 3200	Manual 3-Speed Manual 4-Speed(a) Cruise-O-Matic MX	3.50, 4.11 3.50, 4.11 3.00, 3.50

NOTE: Equi-lock differential optional.  
(a) Not available on Model 71.

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		ALL MODELS				
MODEL	289 CID	352 CID	390 CID			

## 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, type, coating, etc.	#1 Cast iron alloy, straight face, chrome plated (a) #2 Cast iron alloy, straight face, scraper groove, phosphate coated (a)
	Width	#1 .0774 - .0781      #2 .0930 - .0940
	Gap	.010 - .020      .015 - .025
Oil	Description - material, type, coating, etc.	Multi-piece: Two rails and one spacer expander Rails - steel, chrome plated, oxide coated Spacer expander - blued steel
	Width	.1875
	Gap	.015 - .055
Expanders		Integral with oil ring assembly

## ENGINE-PISTON PINS

Material	Alloy steel SAE 5015		
Length	3.010 - 3.030	3.150 - 3.170	
Diameter	.9119 - .9124	.9750 - .9753	
Type	Lacked in rod, in piston, floating, etc.	Press fit in rod	Full floating, tubular
	Bushing	In rod or piston	None
		Material	--
Clearance	In piston	.0003 - .0005	.0001 - .0003
	In rod	Press fit	.0001 - .0003
Direction & amount offset in piston		Right .0575 - .0675	

## ENGINE-CONNECTING RODS

Material	Forged steel SAE 1041		
Weight (oz.)	19.97	25.85	27.00
Length (center to center)	5.155	6.540	6.488
Bearing	Material & Type	Plated copper-lead alloy on steel back replaceable inserts	
	Overall length	.721	.741
	Clearance (limit)	.0019	
	End play	.015	.011

(a) 352 CID engine same except for "tapered face".

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## ENGINE—CRANKSHAFT

Material		Precision molded alloy cast iron			
Vibration damper type		Rubber floated inertia member			
End thrust taken by bearing (No.)		Three			
Crankshaft end play		.004 - .008			
Main bearing	Material & type		Plated copper-lead alloy on steel back replaceable inserts		
	Clearance		.0007 - .0030	.0008 - .0029	.0010 - .0031
	Journal dia. and bearing overall length	No. 1	2.248 x .885	2.7488 x .907	
		No. 2	2.248 x .885	2.7488 x .907	
		No. 3	2.248 x 1.132	2.7488 x 1.119	
		No. 4	2.248 x .885	2.7488 x .907	
		No. 5	2.248 x .885	2.7488 x .907	
		No. 6	None		
No. 7		None			
Dir. & amt. cyl. offset		Right bank leads .84 --			
Crankpin journal diameter		2.123	2.438		

## ENGINE—CAMSHAFT

Location		In block				
Material		Precision molded special alloy iron, phosphate coated				
Bearings	Material	SAE 15 lead base babbitt on SAE 1010 steel back				
	Number	Five				
Type of Drive	Gear or chain		Chain			
	Crankshaft gear or sprocket material		Sintered iron or steel SAE-1146			
	Camshaft gear or sprocket material		Cast Iron	Die cast aluminum with nylon overlay		
	Timing chain	No. of links	58	48		
		Width	.750	.86		
		Pitch	.375	.50		

## ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard (a)			
Valve rotator, type (intake, exhaust)		None	Ford free-turn (intake & exhaust)		
Rocker ratio		1.60:1	1.76:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero	.025 Hot (b) (c)		
	Exhaust	Zero	.025 Hot (b) (c)		
Timing marks on flywheel, damper, other		Indicator scale on front cover and notch on crankshaft pulley			

- (a) Not available on Police Interceptor.
- (b) Police Interceptor.
- (c) Hot setting to be made after a minimum of 30 minutes @ 1200 RPM (No load).

(Continued)

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ALL MODELS

MODEL 289 CID 352 CID 390 CID

## ENGINE—VALVE SYSTEM (cont.)

				300 hp	330 hp	
Timing	Intake	Opens (°BTC)	20	22	26	
		Closes (°ABC)	66	68	64	
		Duration - deg.	266	270	270	
	Exhaust	Opens (°BBC)	56	68	67	
		Closes (°ATC)	20	22	23	
		Duration - deg.	256	270	270	
Valve opening overlap		40°	44°	49°	54°	
Material		SAE 1047 steel - aluminized				
Overall length		4.863	5.446			
Actual overall head dia.		1.662 - 1.677	2.022 - 2.037			
Angle of seat & face		45°				
Seat insert material		None				
Stem diameter		.3423 - .3416	.3711 - .3718			
Stem to guide clearance		.0010 - .0027	.0010 - .0024			
Intake	Lift (@ zero lash)		.368	.408		
	Outer spring press. and length	Valve closed (lb. @ in.)	71 - 79 @ 1.78	94 - 104 @ 1.82	80 - 90 @ 1.82 (a)	74 - 84 @ 1.82
		Valve open (lb. @ in.)	161 - 177 @ 1.39	180 - 198 @ 1.42	255 - 280 @ 1.42 (a)	190 - 208 @ 1.42
	Inner spring press. and length	Valve closed (lb. @ in.)	None			Damper
		Valve open (lb. @ in.)	None			
	Material		Cast austenitic steel - aluminized head	Forged steel (a)		
Overall length		4.860	5.426			
Actual overall head dia.		1.457 - 1.442	1.551 - 1.566			
Angle of seat & face		45°				
Seat insert material		None				
Stem diameter		.3398 - .3405	.3693 - .3700			
Stem to guide clearance		.0020 - .0037	.0028 - .0042			
Exhaust	Lift (@ zero lash)		.380	.408	.4389 (a)	
	Outer spring press. and length	Valve closed (lb. @ in.)	71 - 79 @ 1.78	94 - 104 @ 1.82	80 - 90 @ 1.82 (a)	78 - 84 @ 1.82
		Valve open (lb. @ in.)	161 - 177 @ 1.39	180 - 198 @ 1.42	255 - 280 @ 1.42 (a)	190 - 208 @ 1.42
	Inner spring press. and length	Valve closed (lb. @ in.)	None			Damper
		Valve open (lb. @ in.)	None			

## ENGINE—LUBRICATION SYSTEM

Type of lubrication (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

(a) Interceptor engine.

(Continued)

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		ALL MODELS	
<b>MODEL</b>	289 CID	352 CID	390 CID

## ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor		
Normal oil pressure (lb. @ engine rpm)	50-60 @ 2000	52-62 @ 2000	
Oil pressure sending unit (elect. or mech.)	Electrical		
Type oil intake (floating, stationary)	Stationary shrouded screen in sump		
Oil filter system (full flow, partial, other)	Full flow		
Filter replacement (element, complete)	Complete		
Capacity of crankcase, less filter-refill (qt.)	4    5 with filter	5    6 with filter	
Oil grade recommended (SAE viscosity and temperature range)	90° F and above - SAE 30 or 10W-30 20° F to 90° F - SAE 20 or 20W or 10W-30 -10° F to 20° F - SAE 5W-20 or 10W or 10W-30 -10° F and below - SAE 5W-20		
Engine Service Requirement (MM, MS, etc.)	MS		

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single "Y" type (a)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow	Separate resonator (c)
Exhaust pipe dia. (O.D., wall thickness)	Branch	1.87 x .084 laminated
	Main	2.00 x .090 solid
Tail pipe diameter (O.D. & wall thickness)	1.75 x .048 (b)	1.75 x .048

## ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	None
Control unit	Make and model	AC Positive ventilation control valve
	Location	Rear of intake manifold
	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)	Manifold riser via carburetor spacer
	Air inlet (breather cap, carburetor air cleaner, other)	Breather cap
	Flame arrestor (screen, check valve, other)	Emission valve

- (a) Dual exhaust standard on Model 76.
- (b) 1.50 x .048 on dual exhaust.
- (c) Model 76 only.



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				ALL MODELS			
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## ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Capacity (gals.)	20 21 (a)	
	Filler location	Rear - Center of lower back panel (b)	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower left front corner of engine	
	Pressure range	4.5 - 5.5 psi	5 to 6 psi
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	#1 Accreted paper (disposable) #2 Wire cloth, plastic (perm.)	
	Locations	#1 Integral with fuel pump #2 In fuel tank	
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	Exhaust and water
	Air cle. type	Standard	Dry replaceable element
	Optional	None	

## CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
All	289	Manual	Ford	C4AF-9510-B	One, 2V	1.4375
		Automatic	Ford	C4AF-9510-C	Downdraft	1.4375
All	352	Manual	Ford	C4AF-9510-N	One, 2V	1.562
		Automatic	Ford	C4AF-9510-R	Downdraft	1.562
All	390	Manual	Ford	C3AF-9510-BU	One, 4V	1.562
		Automatic	Ford	C3AF-9510-BV	Downdraft	1.562
All	390 (c)	Manual	Ford	C3AF-9510-BY	One, 4V	1.562
		Automatic	Ford	C3AF-9510-BZ	Downdraft	1.562

- (a) Model 71.
- (b) Model 71 - LH rear quarter panel.
- (c) Interceptor engine.

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MODEL	289 CID	352 CID	390 CID			

## 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 valve	
	Starts to open at (°F)	185° - 192° Fully open 212°	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	18	17
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
Bearing type		Double row, sealed ball	
By-pass recirculation type (internal, external)		External	
Radiator core type (cellular, tube and fin, other)		Downflow, tube & corrugated fin	Crossflow, tube & corrugated fin
Cooling system capacity	With heater (qt.)	15	20.5
	Without heater (qt.)	14	19.5
	Opt. equipment-specify (qt.)	None	
Water jackets full length of cylinder (yes, no)		No	Yes
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75 @ radiator 2.00 @ water pump
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50 @ radiator 1.75 @ water pump
	By-pass	Number and type (molded, straight)	One, molded
		Inside diameter	.62 @ radiator One, straight @ water pump
Fan	Number of blades & Spacing	4 5(a) 7(b) uneven	4 (a) 7(b)
	Diameter	17 18(b)	18.5 (a) 19.25 (b)
	Ratio-fan to crankshaft rev.	1.05:1 1.13:1(a)(b)	.90:1 1.25:1 (a) (b)
	Fan cutout type	Thermo-modulated	
	Bearing type	Double row sealed ball	
*Drive belts (Indicate belt used by letter)	Fan	A C	E G H J
	Generator	A C	E G J
	Water Pump	A C	E G H J
	Power Steering	B D	F H
	Air Conditioning	D	I
	Crankshaft	A B C D	E F G H I J
	Idler		I

* Drive Belt Dimensions	A	B	C(Dual)	D	E	F	G	H	I	J(Dual)
Angle of V	36°									
Nominal length (SAE)	49.5	39.5	49.25	56.5	44	39.25	43.75	49	56.5	43.75
Width	15/32	1/2	15/32	1/2	15/32	1/2	15/32	15/32	1/2	15/32

- (a) Models with Polaraires.
- (b) Models with Selectaire.

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<b>REVISED</b> (a)			
ALL MODELS			
<b>MODEL</b>	289 CID	352 CID	390 CID

## ELECTRICAL—SUPPLY SYSTEM

<b>Battery</b>	Make and Model	Autolite		
	Voltage Rtg. & Total Plates	12 Volts-54 Plates	12 Volts - 66 Plates	78 Plates (a) (b)
	SAE Designation & Amp Hr. Rtg	55	55	70 (a) (b)
	Location	Engine compartment right front		
	Terminal grounded	Negative		
<b>Generator</b>	Make	Ford		
	Model			
	Type	Shunt		
	Ratio—Gen. to Cr/s rev.	2.25:1		
	Gen. cut-in (hot)—engine rpm	600		
<b>Regulator</b>	Make	Ford		
	Model			
	Type	Three Coil		
	Cutout relay	Closing voltage @ generator rpm	12.0 - 12.8 @ 1200	
		Reverse current to open	6 - 9 Amp	
	Regulated	Voltage	14.6 - 15.4 @ 75° F	
		Current	28 - 32	
	Voltage test conditions	Temperature	75°	
Load		5 Amperes		
	Other			

## ELECTRICAL—STARTING SYSTEM

<b>Starting motor</b>	Make	Ford		
	Model	FAR-11001-A		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	150 - 180 RPM		
	Test conditions	85° F		
	Lock test	Amps	580	
		Volts	5	
		Torque (lb. ft.)	14.8	
	No load test	Amps	80-110	
		Volts	12	
RPM (min.)		5200		
<b>Motor control</b>	Switch (solenoid, manual)	Solenoid		
	Starting procedure			

- (a) Standard on all models using 352 or 390 CID engine with automatic transmission. (Continued)
- (b) Optional on all models using 352 or 390 CID engine with manual transmission.

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## ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type	Positive Engagement		Bendix Folo-Thru		
	Pinion meshes (front, rear)	Front		Rear		
	Number of teeth	Pinion	9			
		Flywheel	160		Manual 146	Automatic 153
Flywheel tooth face width		.375				

## ELECTRICAL—IGNITION SYSTEM

Manual Transmission

Coil	Make	Ford			
	Model	FAC-12029			
	Amps	Engine stopped	4.5		
Engine idling		2.5			
Distributor	Make	Ford			
	Model	C4GF-12127-A	C4AF-12127-B	C2AF-12127-A	
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	∠ 1° @ 400 RPM	∠ 1° @ 400 RPM	∠ 1° @ 400 RPM
		Intermediate points deg. @ rpm	∠ 1° @ 825 RPM	∠ 1° @ 1000 RPM	∠ 1° @ 800 RPM
			13° to 15° @ 1550	11.75° to 13.5° @ 1600	9.5° to 11.5° @ 1075
	Max deg. @ rpm	24.5° to 27.25° @ 3700			
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0° @ 1"	0° @ 1"	0° @ 1"
		Intermediate points, deg @ in Hg	0° to 2.5° @ 6"	0° to 2° @ 5"	0° to 2° @ 5"
			11° to 17° @ 12"	0° to 6° @ 6.5"	0° to 6° @ 6.5"
	Max. deg. in. Hg.	16° to 22° @ 17"	10.5° to 16.5° @ 12"	7.5° to 13.5° @ 10"	
Breaker gap (in.)		.014 - .016			
Cam angle (deg.)		26° - 28.5°			
Breaker arm tension (oz.)		17 - 20			
Timing	Crankshaft deg. @ rpm.	6° 575-600 (a)	6° 575-600 (b)	4° 575-600 (c)	
	Mark location	Indicator scale on front cover			
	Cylinder numbering system (see page 2)	Front to Rear	R. Bank 1-2-3-4	L. Bank 5-6-7-8	
		Firing order (see page 2)	1-5-4-2-6-3-7-8		
Spark Plug	Make and model	Autolite BF-42	Autolite BF-42		
	Thread (mm)	18			
	Tightening torque (lb. ft.)	15 - 25			
	Gap	.032 - .036			
Cable	Conductor type	Resistance core cable			
	Insulation type	Neoprene sheath			
	Spark plug protector	Neoprene boot	Hypalon boot		

## ELECTRICAL—SUPPRESSION

Locations & type	Capacitors at the generator and voltage regulator. Wheel static collectors in front wheel. Resistance core cable from the coil to the distributor and from the distributor to the spark plugs.
------------------	--

- (a) Permissible range 2° to 6°.
- (b) Permissible range 2° to 11°.
- (c) Permissible range 2° to 9°.

# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED (a)

## SUPPLEMENTARY INFORMATION

### Automatic Transmission

MODEL	289 CID	352 CID	390 CID
<u>DISTRIBUTION</u>			
CENTRIFUGAL ADVANCE (Crankshaft degrees at engine rpm)			
Model	C4GF-12127-B	C4AF-12127-C	C2AF-12127-A
Start	$f - 1^\circ @ 400$	$f - 1^\circ @ 400$	$f - 1^\circ @ 400$
Intermediate	$f - 1^\circ @ 1050$ $11.25^\circ - 12.75^\circ @ 1625$	$f - 1^\circ @ 750$ $5.75^\circ \text{ to } 7.75^\circ @ 950$	$f - 1^\circ @ 800$ $9.5^\circ \text{ to } 11.5^\circ @ 1075$
Maximum	$18.5^\circ - 22^\circ @ 3800$	$16.5^\circ \text{ to } 19.5^\circ @ 4000$	$21.5^\circ \text{ to } 24.5^\circ @ 4000$
VACUUM ADVANCE (Crankshaft degrees at inches of mercury)			
Model			
Start	$0^\circ @ 1" \text{ Hg.}$	$0^\circ @ 1" \text{ Hg.}$	$0^\circ @ 1"$
Intermediate	$0^\circ \text{ to } 2.5^\circ @ 6" \text{ Hg.}$ $0^\circ \text{ to } 6^\circ @ 6.75" \text{ Hg.}$ $14^\circ \text{ to } 20^\circ @ 12" \text{ Hg.}$	$0^\circ \text{ to } 2^\circ @ 5" \text{ Hg.}$ $0^\circ \text{ to } 6^\circ @ 6.5" \text{ Hg.}$ $10.5^\circ \text{ to } 16.5^\circ @ 12" \text{ Hg.}$	$0^\circ \text{ to } 2^\circ @ 5"$ $0^\circ \text{ to } 6^\circ @ 6.5"$ $7.5^\circ \text{ to } 13.5^\circ @ 10"$
Maximum	$19^\circ \text{ to } 25^\circ @ 17" \text{ Hg.}$	$15^\circ \text{ to } 21^\circ @ 17" \text{ Hg.}$	$11^\circ \text{ to } 17^\circ @ 12.5"$
Timing Crk. Deg.	$10^\circ @ 475 - 500 \text{ (a)}$	$10^\circ @ 475 - 500 \text{ (b)}$	$6^\circ @ 475 - 500 \text{ (c)}$

- (a) Permissible range  $2^\circ$  to  $10^\circ$ .
- (b) Permissible range  $2^\circ$  to  $15^\circ$ .
- (c) Permissible range  $2^\circ$  to  $11^\circ$ .

# AMA Specifications – Passenger Car

MAKE OF CAR	FORD	MODEL YEAR	1964	DATE ISSUED	10-1-63	REVISED (•)	
		ALL MODELS					
MODEL	289 CID	352 CID	390 CID				

## ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	Ford
	Trip odometer (yes, no)	No
Charge indicator—type	Warning Light	
Temperature indicator—type	Electric Gage	
Oil pressure indicator—type	Warning Light	
Fuel indicator—type	Electric Gage	
Other	None	
Ignition switch	Identify positions in order and circuits controlled	Four position switch (left to right) ACC      CCW from TDC OFF      Top Dead Center ON      CW first position START    CW second position
	Provision for illumination	Yes
	Location	Instrument Panel - Right of Steering Column
Main lighting switch	Identify positions and lamps controlled	Depressed - Off 1st position - Instrument panel, parking, tail & license lights 2nd position - Instrument panel, head, tail and license lights Rotate knob clockwise to dim & turn off instrument panel lights Rotate knob counterclockwise to turn on and brighten instrument panel lights and turn on dome light
Other light switches	Locations and lamps controlled	Toe panel - Headlight dimmer Front door hinge pillar - Dome lamp (Door lamp) (e) On steering column - P-R-N-Drive-L (a) On steering column - Turn signal lamps On master cylinder - Stop lamps
Other switches	Locations and devices controlled	Instrument panel - ignition, heater blower, windshield wipers, cigar lighter, convertible top Instrument panel - power tailgate window (c) Instrument panel - radio (b) LH frt seat shield - power front seat (b) LH frt door trim panel - power windows master switch, individual switches on each door on qtr. trim panel (b) Console - power windows master control switch (b) (e) Console - P R N D2 D1 L
Windshield wiper	Make	Autolite
	Type	Electric, Single Speed (d)
	Vacuum booster provision	None
	Washer provision	Yes
Horn	Type	Air Electric
	Number used	Two
	Amp draw (each)	10

- (a) Models with automatic transmission except 63C, 57C and 76B.
- (b) Optional.
- (c) Standard on all models except 71B (Optional).
- (d) Optional two-speed (Washer included).
- (e) Models 63C, 57C and 76B.

# AMA Specifications – Passenger Car

<b>MAKE OF CAR</b>	FORD	<b>MODEL YEAR</b> 1964	<b>DATE ISSUED</b> 10-1-63	<b>REVISED</b> (*)
	ALL MODELS			
<b>MODEL</b>	289 CID	352 CID	390 CID	

## ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

Headlamps & arrangement	Two # 4001 Inboard	Two # 4002 Outboard Horizontal
Headlamp beam indicator	One # 1895	
Parking	Two # 1157	
Tail	Two # 1157	
Stop	Two # 1157	
Direction signal	Front	Two # 1157
	Rear	Two # 1157
	Indicator	Two # 1895
License Plate	One # 1155	
Oil pressure indicator	One # 1895	
Charge indicator	One # 1895	
Instrument	Four # 1895	
Clock	One # 1895	
Radio	Two # 1891	

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

Ignition lock	Standard	One # 1895
Back up	Standard	Two # 1141 Optional on Custom, Custom 500 and Country Sedan
Dome	Standard	One # 1003
Glove compartment	Optional	One # 1895
Prkg. brake signal	Optional	One # 257
Luggage compartment	Optional	One # 631
Underhood	NA	
Courtesy	Standard/Optional	Two # 1003      One # 631
Map		
Spotlight	Optional	One # 4405

# AMA Specifications – Passenger Car

<b>MAKE OF CAR</b>	FORD	<b>MODEL YEAR</b>	1964	<b>DATE ISSUED</b>	10-1-63	<b>REVISED (•)</b>	
			ALL MODELS				
<b>MODEL</b>	289 CID	352 CID	390 CID				

## ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

Headlamp	18 CB (a)
Headlamp beam indicator	Same as (a)
Parking lamp	7½ SFE (b)
Tail lamp	Same as (b)
Stop lamp	7½ SFE
Direction indicator	7½ SFE
License plate lamp	Same as (b)
Instrument lamp	4 SFE (c)
Ignition lamp	
Back up lamp	7½ SFE
Dome lamp	7½ SFE (d)
Clock	1AG-2
Clock lamp	Same as (c)
Radio	7½ SFE
Glove compartment lamp	Same as (d)
Electric Wipers	12 CB
Heater Blower	SFE-14
Air Conditioner	3AG-15
Power Windows	30 CB (e)
Power Seat	Same as (e)
Cigar Lighter	14 SFE
Overdrive	3AG-20
Convertible Top	Same as (e)
Windshield Washer	7½ SFE
Spotlight	7½ SFE

## ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	23.9	
		Highest	23.9	
	Stop		23.9	
	Backup		23.9	
	License, rear			
	Directional	Front	16.0	
		Rear	23.9	
	Headlamp	Inside	26.3	
		Outside*	26.3	
	Tail	Inside	31.9	
Outside		31.9		
Stop				
Backup				
License, rear				
Directional	Front	30.1		
	Rear			
Headlamp	Inside	25.8		
	Outside*	34.3		

\* If single headlamps are used enter here.



# AMA Specifications – Passenger Car

<b>MAKE OF CAR</b>	FORD	<b>MODEL YEAR</b>	1964	<b>DATE ISSUED</b>	10-1-63	<b>REVISED (e)</b>	
		ALL MODELS					
<b>MODEL</b>	289 CID	352 CID	390 CID				

## DRIVE UNITS—CLUTCH (Manual Transmission)

<b>Make &amp; type</b>		Long Manufacturing, Semi-centrifugal, single disc, dry plate					
<b>Type pressure plate springs</b>		Coil					
<b>Effective plate pressure (lb.)</b>		1278		1575		1710	
<b>No. of clutch driven discs</b>		One					
<b>Clutch facing</b>	<b>Material</b>	Woven asbestos					
	<b>Outside &amp; inside dia.</b>	10.41 x 6.50		11.0 x 7.0			
	<b>Total eff. area (sq.in.)</b>	101.90		113.10			
	<b>Thickness</b>	.125					
	<b>Engagement cushioning method</b>	Torbend disc					
<b>Release bearing</b>	<b>Type &amp; method of lubrication</b>	Ball thrust, prepack sealed					
<b>Torsional damping</b>	<b>Methods: springs, friction material</b>	Steel springs					

## DRIVE UNITS—TRANSMISSIONS

<b>Manual (std. or opt.)</b>	3-Spd. Synchromesh (Std.) (a) 4-Spd. Synchromesh (Opt.) (b) (e)
<b>Manual with overdrive (std. or opt.)</b>	Optional (b) (c)
<b>Automatic (std. or opt.)</b>	Cruise-O-Matic 3-Speed Optional

## DRIVE UNITS—MANUAL TRANSMISSION

<b>Number of forward speeds</b>		Three Overdrive (d)		Three Overdrive (d) Four (b)		
<b>Transmission ratios</b>	<b>In first</b>	2.79:1	2.80:1	2.42:1	2.49:1 2.36:1	
	<b>In second</b>	1.70:1	1.69:1	1.61:1	1.59:1 1.78:1	
	<b>In third</b>	1.00:1	1.00:1	1.00:1	1.00:1 1.41:1	
	<b>In fourth</b>	None	None	None	None 1.00:1	
	<b>In reverse</b>	2.87:1	3.80:1	2.33:1	3.15:1 2.42:1	
<b>Synchronous meshing, specify gears</b>		1st-2nd-3rd		1st-2nd-3rd 1st-2nd-3rd-4th		
<b>Shift lever location</b>		Steering column		Floor		
<b>Lubricant</b>	<b>Capacity (pt.)</b>	3				
	<b>Type recommended</b>	Mild - Extreme pressure				
	<b>SAE viscosity number</b>	<b>Summer</b>	SAE-80			
		<b>Winter</b>	SAE-80			
<b>Extreme cold</b>		SAE-80				

- (a) Standard on all models except 63C, 57C, 76B.
- (b) Optional with 390 CID engine.
- (c) Optional with 289 CID engine.
- (d) Synchronous meshing 2nd-3rd.
- (e) Not available on Model 71.

# AMA Specifications – Passenger Car

<b>MAKE OF CAR</b> FORD	<b>MODEL YEAR</b> 1964	<b>DATE ISSUED</b> 10-1-63	<b>REVISED</b> (•)
ALL MODELS			
<b>MODEL</b>	289 CID	352 CID	390 CID

## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Planetary	
	Manual lockout (yes, no)		Yes	
	Downshift accelerator control (yes, no)		Yes	
	Minimum cut-in speed		28 mph (Approximate)	
	Gear ratio		0.07:1	0.72:1
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		1.2
Separate filler (yes, no)		Yes		
Type recommended		Mild - Extreme pressure		
SAE vis- cosity number		Summer	SAE-80	
		Winter	SAE-80	
	Ext. cold	SAE-80		

## DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Cruise-O-Matic		
Type describe	Torque converter with planetary gears		
Method of Selection (Lever, Push Button or other)	Lever		
Selector Pattern	P R N Drive L Steering Column P R N D2 DL L Console		
List gear ratios Selector Pattern and indicate which are used in each selector position	2.46:1 Drive and Low (a)	2.40:1 Drive and Low	
	1.46:1 Drive	1.47:1 Drive	
	1.00:1 Drive	1.00:1 Drive	
	2.20:1 Reverse	2.00:1 Reverse	
Max. upshift speeds—drive range	69	67	
Max. kickdown speeds—drive range	67	62	
Torque converter	Number of elements		Three
	Max. ratio at stall		2.02:1      2.1:1
	Type of cooling (air, water)		Water
Lubricant	Capacity—refill (pt.)		17      20
	Type recommended		Type "A" Transmission Fluid M-2C33-D or M-2C33-C
Special transmission features	Park Position - Start in Park or Neutral Position - Low or intermediate driving range start-up - Vacuum controlled throttle valve		

## DRIVE UNITS—PROPELLER SHAFT

Number used	One			
Type (exposed, torque tube)	Exposed			
Outer diameter x length* x wall thickness	Manual transmission	2.75 x 56.62 x .065	3.00 x 56.30 x .065	3.00/2.25 x 56.18 x .065/.095 (b)
	Overdrive transmission	3.25 x 59.80 x .065	Not Available	3.00/2.25 x 56.18 x .065/.095 (b)
	Automatic transmission	3.25 x 59.80 x .065	3.00 x 56.18 x .065	

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

(Continued)

(a) Not available on models with 352 or 390 CID engine.

(b) Rubber insert - tube in tube.

# AMA Specifications – Passenger Car

MAKE OF CAR	FORD	MODEL YEAR	1964	DATE ISSUED	10-1-63	REVISED (e)
				ALL MODELS		
MODEL	289 CID	352 CID	390 CID			

## DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	None
Universal joints	Make	Ford
	Number used	Two
	Type (ball and trunion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Springs
Torque taken through (torque tube or arms, springs)		Springs

## DRIVE UNITS—REAR AXLE

Description (see instructions)	Straddle mounted pinion, banjo type conventional solid housing			
Limited Slip differential, type	Equa-lock, friction disc, spring loaded			
Drive Pinion Offset	2.25			
No. of differential pinions	Two	Four	Two (b)	
Gear ratios (Std. equip.)	Manual transmission	3.25:1 3.50:1 (a)	3.25 3.50 (a) 3.50	
	Overdrive transmission	3.50:1 3.89:1 (a)	Not Available 3.50	
	Automatic transmission	3.00:1 3.25:1 (a)	3.00:1	
Ring gear O.D. (std. ratio)	8.75	9.0		
Pinion adjustment (shim, other)	Shims			
Pinion bearing adj. (shim, other)	Collapsible spacer			
Wheel bearing type	Single row, double sealed ball bearings			
Lubricant	Capacity (pt.)	5		
	Type recommended	Hypoid extreme pressure		
	SAE viscosity number	Summer	SAE-90	
		Winter	SAE-90	
Extreme cold		SAE-80		

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.00	3.25	3.50	3.89	4.11
No. of teeth	Pinion	13	12	10	9	9
	Ring gear	39	39	35	35	37

(a) Model 71.

(b) Models with Cruise-O-Matic.

# AMA Specifications – Passenger Car

MAKE OF CAR	FORD	MODEL YEAR	1964
		DATE ISSUED	10-1-63 REVISED (e)
ALL MODELS			
MODEL	289 CID	352 CID	390 CID

## DRIVE UNITS—WHEELS

Type & material		Stamped steel disc		
Rim (size and flange type)	Std.	14 x 5.5J	14 x 6.0JK (a)	15 x 5.5K (b)
	Opt.	15 x 5.5K (c)	15 x 6.0 (b)	
Attachment	Type (bolt or stud)	Stud		
	Circle diameter	4.5		
	Number and size	Five .50		

## DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.50 x 14 2 ply (d)	8.00 x 14 2 ply (a)(d)	6.70 x 15 4 ply (b)
	Type - Nylon, etc.	Rayon tubeless	Nylon tubeless (e)	
Rev./mile at 50 mph.		775	753 (f)	763 (g)
Inflation press.(cold)	Front	24 - 28		
	Rear	24 - 28		
Optional tires - size and ply		7.50 x 14 6 ply (c)	6.70 x 15 4 ply (h)	
		8.00 x 14 4 ply	7.10 x 15 4 ply (c)	
		8.00 x 14 6 ply	7.60 x 15 4 ply (c)	

## BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		Duo-servo	
Self adjusting (std., opt., N.A.)		Standard (i)	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)		Midland-Ross, integral, vacuum assist	
Effective area (sq. in.)*		177.5	196.1 (a) (b)
Gross lining area (sq. in.)**		212.7	234.0 (a) (b)
Swept drum area (sq. in.)***		346.5	381.2 (a) (b)
Percent brake effectiveness—front		58%	
Drum	Diameter	Front	11.03
		Rear	11.03
Type and material		Composite, pressed steel disc and cast iron drum	
Wheel cylinder bore	Front	1.094	
	Rear	.938	
Master cylinder bore		1.00	.875 Power brake
Available pedal travel		6.75	4.00 Power brake
Line pressure at 100 lb. pedal load		800	1100 Power brake
Shoe clearance adjustment		.12 - .18	

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

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

\*\*\* Total swept areas for four brakes

Widest lining contact width for each brake x its drum circumference.

(Continued)

- (a) Model 71.
- (b) Police Interceptor.
- (c) All except Model 71.
- (d) 4 ply rating, 2 ply construction.
- (e) Optional.
- (f) 8.00 x 14 tire, 14 x 6.0JK rim.
- (g) 6.70 x 15 tire, 15 x 5.5K rim.
- (h) All models except 71, 76 and models with air conditioning.
- (i) Manual adjustment optional on Police Interceptor.

# AMA Specifications—Passenger Car

MAKE OF CAR <b>FORD</b>	MODEL YEAR <b>1964</b>	DATE ISSUED <b>10-1-63</b>	REVISED (•)
ALL MODELS			
MODEL	289 CID	352 CID	390 CID

## BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted		Riveted		
	Front Shoe	Material	Molded Asbestos (d)		
		Size (length x width x thickness)	Front wheel	9.35 x 2.5 x .195	9.35 x 3.0 x .205 (a) (c)
			Rear wheel	9.35 x 2.5 x .195	9.35 x 2.5 x .205 (a)
		Segments per shoe		One	
	Rear Shoe	Material	Molded Asbestos (d)		
		Size (length x width x thickness)	Front wheel	12.12 x 2.5 x .270	12.12 x 3.0 x .230 (a) (c)
			Rear wheel	12.12 x 2.5 x .215	12.12 x 2.5 x .230 (a)
Segments per shoe		One			

## BRAKES—PARKING

Type of control	Foot pedal with "Tip Down" release		
Location of control	Suspended left of steering column		
Operates on	Rear Service Brakes		
If separate from service brakes	Type (internal or external)	None	
	Drum diameter	None	
	Lining size (length x width x thickness)	None	

## FRAME or UNITIZED CONSTRUCTION

Type and description	Frame - Ladder type with full length boxed side rails and cross members (b)		
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## SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)\*

Provision for car leveling	Stabilizer		
Provision for brake dip control	Yes		
Provision for acc. squat control	Asymmetrical type rear spring mounting		
Special provisions for car jacking	None		
Shock absorber front & rear	Type	Direct acting	
	Make	Ford and Gabriel	
	Piston dia.	1.0	1.1875 (a)
Other special features	Anti-harsh compliance link		

## SUSPENSION—FRONT

Type and description	Independent S. L. A. Suspension with Ball Joints and Coil Springs Compliance Link Design.		
----------------------	---	--	--

\* Air Suspension: (Continued)

- |   |   |
|---|---|
| Air spring type<br>Compressor data<br>type<br>make<br>drive ratio | Normal operating pressures<br>spring rates<br>leveling data |
|---|---|
- (a) Standard on Model 71.  
 (b) Model 76 "X" member.  
 (c) Police Interceptor.

(d) Cerametalex available.

# AMA Specifications – Passenger Cars

MAKE OF CAR	FORD	MODEL YEAR	1964	DATE ISSUED	10-1-63	REVISED(*)	
				ALL MODELS			
MODEL	289 CID	352 CID	390 CID				

## SUSPENSION FRONT (cont.)

Spring	Type	Coil					
	Material	Steel SAE-9260/SAE-5160					
	Size (coil design height & I.D.; bar length x dia.)	10.45 x 4.03			10.45 x 4.03		
		149.44 x .710			161.84 x .722		
	Spring rate (lb. per in.)	380 400					
	Rate at wheel (lb. per in.)	97 with tires					
Design load (lb. @ design height)	2225 2325			2425 2550			
Stabilizer	Type (link, linkless, frameless)	Link					
	Material & bar diameter	Steel SAE-1090 .69 .72 (a)					

## STEERING

Manual (std., opt., NA)		Standard					
Power (std., opt., NA)		Optional					
Adjustable steering wheel (tilt, swing, other)	Type and description	Swing					
	(std., opt., NA)	Optional					
Wheel diameter	Manual	17.0					
	Power	16.0					
Turning diameter	Outside front	Wall to wall (l. & r.)	43.6				
		Curb to curb (l. & r.)	41.0				
	Inside rear	Wall to wall (l. & r.)	23.5				
		Curb to curb (l. & r.)	24.3				
Outside wheel angle with inside wheel at 20°		17° 21'					
Manual	Gear	Type	Recirculating ball and nut				
		Make	Ford				
		Ratios	Gear	22:1			
	Overall		30:1				
No. wheel turns		5.5					
Power	Type (coaxial, linkage, etc.)		Linkage				
	Make		Bendix				
	Gear	Type	Recirculating ball and nut				
		Ratios	Gear	20:1			
			Overall	23:1			
	Pump driven by		Belt off crankshaft pulley				
	Number wheel turns		3.9				
Linkage	Type		Parallelogram				
	Location (front or rear of wheels, other)		Rear				
	Drag link (trans. or longit.)		Transverse				
	Tie rods (one or two)		Two				

(a) Model 71.

(Continued)

# AMA Specifications – Passenger Car

MAKE OF CAR	FORD	MODEL YEAR	1964	DATE ISSUED	10-1-63	REVISED (e)
				ALL MODELS		
MODEL	289 CID	352 CID	390 CID			

## STEERING (cont)

Steering Axis	Inclination at camber (deg.)		6° 45' @ 0° 30' Camber			
	Bearings (type)	Upper	Prelubricated - Ball Joint - Spring Loaded			
		Lower	Prelubricated - Ball Joint - Spring Loaded			
		Thrust	Teflon Bearing in Lower Ball Joint			
Wheel alignment (range and preferred)	Caster (deg.)		0°30' Min. - 0°30' Max. 0° Preferred			
	Camber (deg.)		0°15' Min 1° Max. 0°37' Preferred			
	Toe-in (outside tread-inches)		1/8 Min. 1/4 Max. 3/16 Preferred			
Steering spindle & joint type			Prelubricated ball joint			
Wheel spindle	Diameter	Inner bearing	1.12 I.D.			
		Outer bearing	.75 I.D.			
	Thread size		3/4 - 16 NF3			
	Bearing type		Tapered roller			

## SUSPENSION—REAR

Type and description		Hotchkiss drive				
Drive and torq. taken through (see page 17)		Rear springs				
Spring	Type	Semi-elliptic				
	Material	Spring steel SAE-5160				
	Size (length x width, coil design height and I.D.; bar length & dia.)		60 x 2.50			
	Spring rate (lb. per in.)		103	126 (a)	133 (c)	154 (a)
	Rate at wheel (lb. per in.)		103	126 (a)	133 (c)	154 (a)
	Design load (lb. at design height)		925	955 (b)	1175 (a)	1015 (c) 1300 (a)
	Mounting insulation type		Rubber bushed shackles			
	If leaf	No. of leaves		4 (d)	5 (b)	6 (a) (c)
Inserts		Type and size		Flat		
		Material		Plastic		
Shackle (comp. or tens.)		Tension				
Stabilizer	Type (link, linkless, frameless)		None			
	Material		None			
Track bar type		None				

**NOTE:** Maximum difference between wheels not to exceed 1/2°, recommend 1/4°.

- (a) Model 71.
- (b) Models 54, 57 and 76.
- (c) Heavy duty for Models 62, 54, 63, 57 and 76.
- (d) Model 62 and 63.

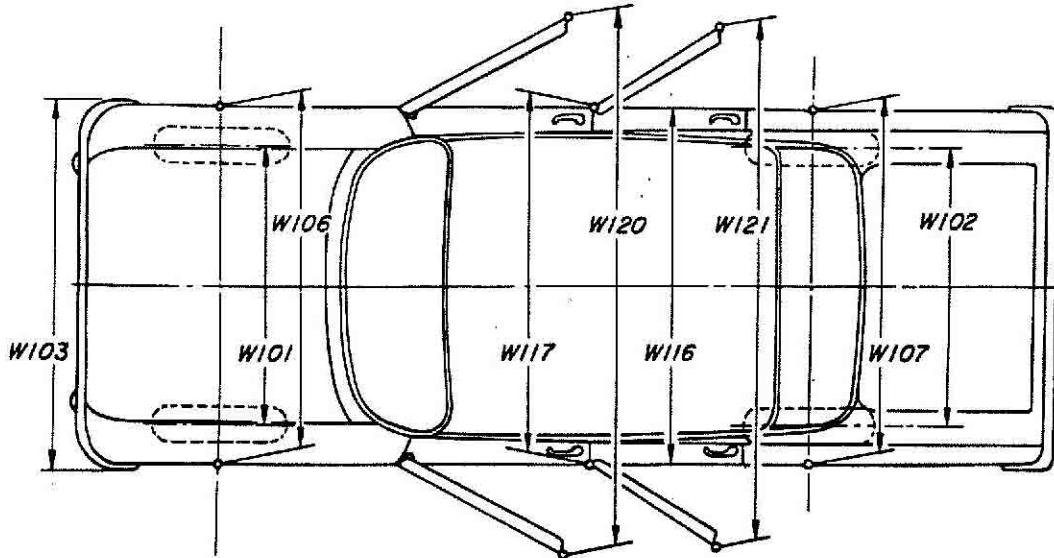
MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED (\*)

## CAR AND BODY DIMENSIONS—GENERAL

Dimensions herein are those adapted by the Society of Automotive Engineers. Brief descriptions of these dimensions are listed on pages 34-36. Complete definitions are listed in section E-1 of the SAE Aeronautical - Automotive Drawing Standards. The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The D Point is the point of tangency of a horizontal line and the lowest point of the manikin.
8. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

## EXTERIOR WIDTH DIMENSIONS



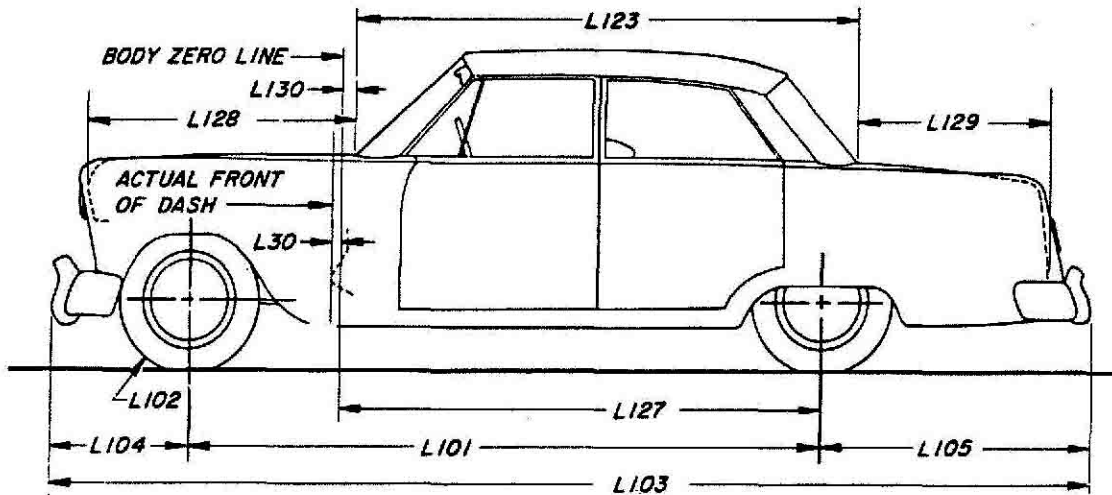
MODEL	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON
		2-Door 62	4-Door 54	2-Door 63	4-Door 57	2-Door 76	4-Door 71
Tread - front	W101	61.0					
Tread - rear	W102	60.0					
Maximum overall car width	W103	80.0					
Maximum overall body width	W116	79.8					
Maximum body width at #2 pillar	W117	78.6					
Front fender overall width	W106	77.6					
Rear fender overall width	W107	78.7					
Maximum overall car width - front doors open	W120	168.6	158.5	168.6	158.5	168.6	158.5
Maximum overall car width - rear doors open	W121	--	141.7	--	141.7	--	141.7



# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED(\*)

## EXTERIOR LENGTH DIMENSIONS

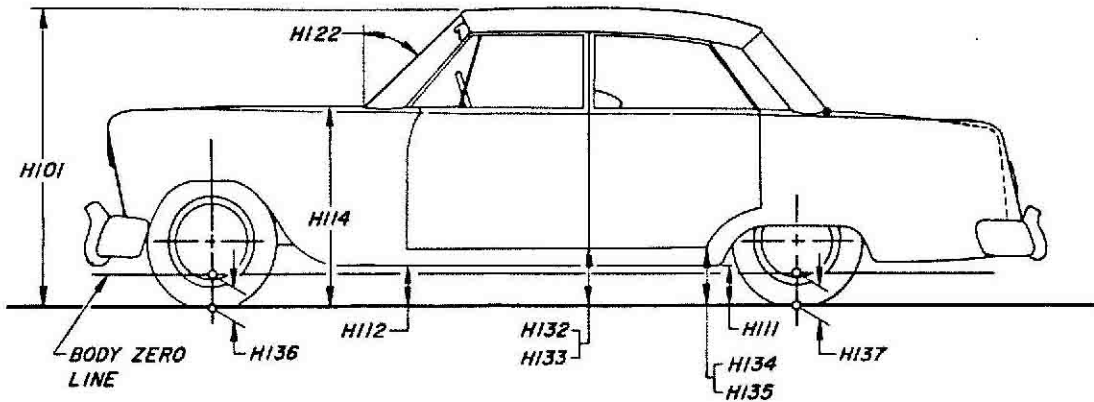


MODEL	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON	
		2-Door	4-Door	2-Door	4-Door	2-Door	4-Door	
		62	54	63	57	76	71	
Body zero line to actual front of dash	L30	0.0						
Wheelbase	L101	119.0						
Overhang - front	L104	32.4						
Overhang - rear	L105	58.4						
Overall length	L103	209.8						
Hood length at car centerline	L128	55.4						
Body upper structure length at car centerline	L123	104.5		101.5	104.5	100.0	136.9	
Deck length at car centerline	L129	45.2		48.2	45.2	49.7	---	
Body zero line to centerline of rear wheels	L127	101.9						
Body zero line to windshield cowl point	L130	7.3						
Tire size	L102	7.50 x 14						8.00 x 14

# AMA Specifications— Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED (a)

## EXTERIOR HEIGHT DIMENSIONS

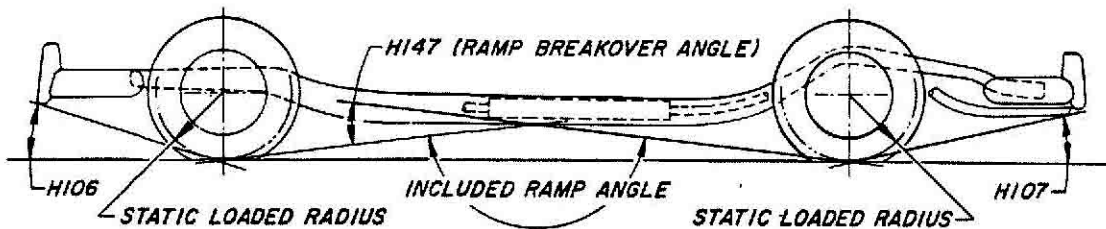
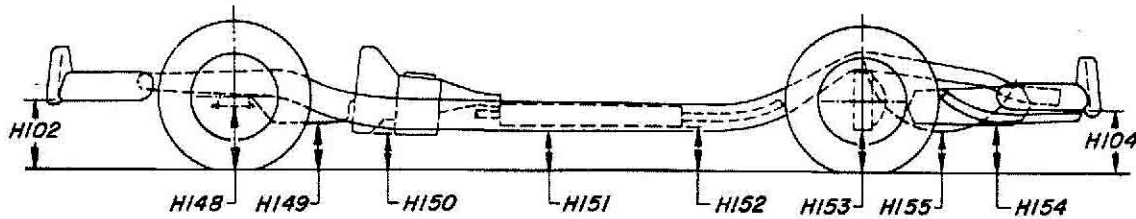


MODEL	Ref. No.	SEDAN 2-Door 62	SEDAN 4-Door 54	HARDTOP 2-Door 63	HARDTOP 4-Door 57	CONV. 2-Door 76	WAGON 4-Door 71
Overall height	H101	56.5		55.5			57.8
Hood at rear to ground	H114	38.9					39.1
Rocker panel to ground - front	H112	7.6					7.8
Rocker panel to ground - rear	H111	7.1					7.3
Bottom of door to ground, open - front	H132	12.4					12.6
Bottom of door to ground, closed - front	H133	11.2					11.4
Bottom of door to ground, open - rear	H134	--	11.1	--	11.1	--	11.3
Bottom of door to ground, closed - rear	H135	--	11.1	--	11.1	--	11.3
Windshield slope angle	H122	51.7°		52.7°			51.7°
Body zero to ground - front	H136	11.5					11.7
Body zero to ground - rear	H137	11.5					11.7

# AMA Specifications—Passenger Car

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## GROUND CLEARANCE DIMENSIONS

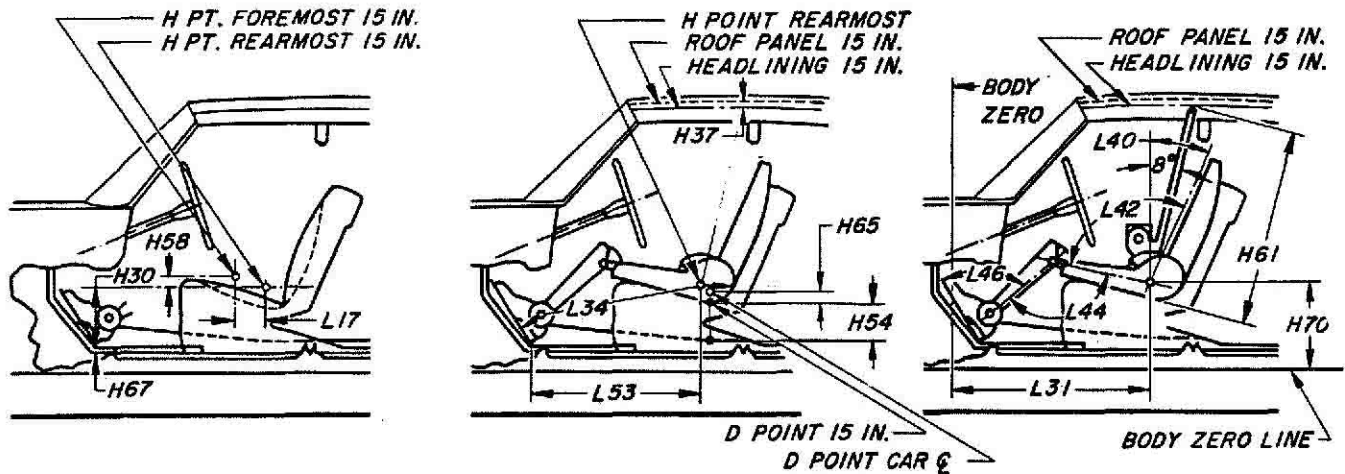


MODEL	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON
		2-Door 62	4-Door 54	2-Door 63	4-Door 57	2-Door 76	4-Door 71
Front bumper to ground	H102	11.3					11.5
Rear bumper to ground	H104	10.6					10.8
Angle of approach	H106	25.1°					25.7°
Angle of departure	H107	11.7°					11.9°
Ramp breakover angle	H147	11.2°				10.8°	11.6°
Front suspension to ground	H148	6.3					6.5
Oil pan to ground	H149	7.6					7.8
Flywheel housing to ground	H150	6.2					6.4
Frame structure to ground	H151	5.8				5.6	6.0
Exhaust system to ground	H152	5.3				5.9	5.5
Rear axle differential to ground	H153	6.9					7.1
Fuel tank to ground	H154	8.1					8.4
Spare tire well to ground	H155	None					
Minimum running ground clearance	H156	5.3					5.5

# AMA Specifications—Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED (a)

## FRONT COMPARTMENT DIMENSIONS



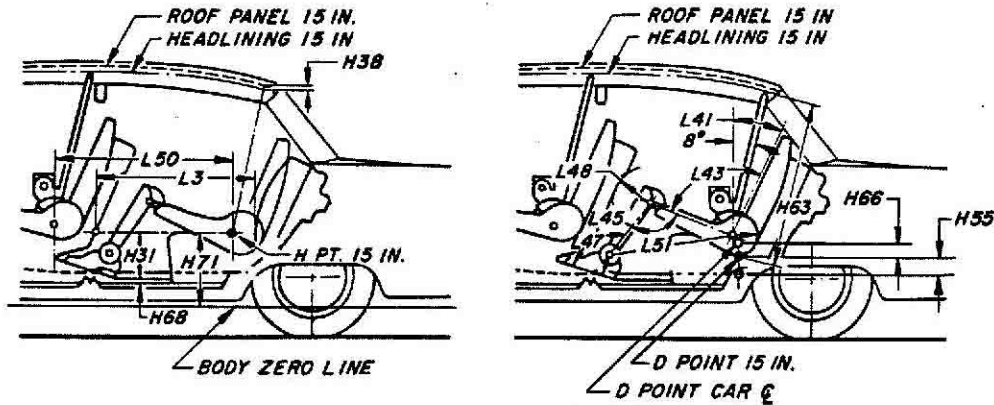
MODEL	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON
		2-Door 62	4-Door 54	2-Door 63	4-Door 57	2-Door 76	4-Door 71
H Point to body zero line	L31	42.5	42.2 (a) (b)				
H Point to body zero line - front	H70	9.1	9.4 (a) (b)				
Effective head room	H61	39.1		38.1	37.7(a)	38.5(b) 38.9	39.6
Headlining to roof height	H37	0.6				--	0.8
Maximum effective leg room - accelerator	L34	41.9	41.5 (a) (b)				
H Point to heel point	H30	8.7	9.0 (a) (b)				
Depressed floor covering thickness	H67	.5					
Back angle	L40	26.1°	25.5° (a) (b)				
Hip angle	L42	98.1°	97° (a) (b)				
Knee angle	L44	128.7°	125.8° (a) (b)				
Foot angle	L46	85°	82.6° (a) (b)				
D Point differential, side to center	H65	.7					
D Point to tunnel	H54	3.2				2.2	
H Point to accelerator floor point	L53	34.4	34.1 (a) (b)				
H Point travel	L17	5.5	4.0 (a) (b)				
H Point rise	H58	.7	.5 (a) (b)				

(a) Bucket seat Model 63 and 57.  
 (b) Bucket seat Model 76.

# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED(•)

## REAR COMPARTMENT DIMENSIONS



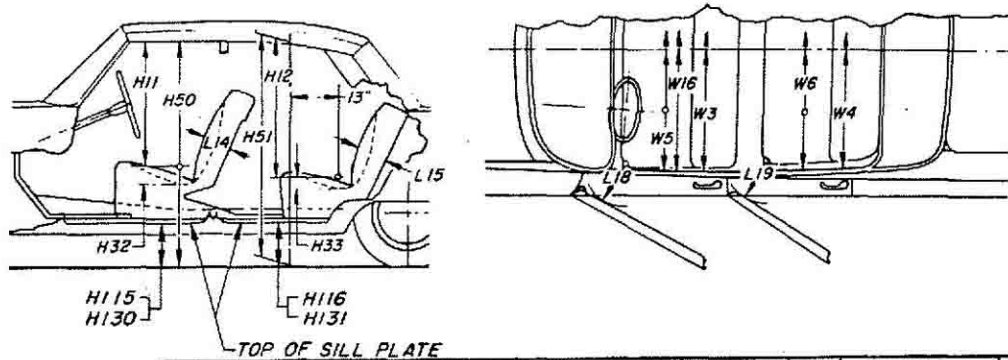
MODEL	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON
		2-Door 62	4-Door 54	2-Door 63	4-Door 57	2-Door 76	4-Door 71
H Point couple distance	L50	35.2		31.0 (a) 30.8	33.6 (c) 33.4	31.5 (b) 31.2	35.3 (d) 32.7 (e)
H Point to body zero line - rear	H71	8.3		7.9	8.3	8.1	9.9 (d) 11.5 (e)
Effective head room	H63	38.4		38.1	37.9	37.4	39.2 (d) 37.5 (e)
Headlining to roof height	H38	.5					.8
Minimum effective leg room	L51	37.0		33.0 (a) 32.6	36.8 (c) 35.2	34.0 (b) 33.1	37.5 (d) 35.6 (e)
H Point to heel point	H31	11.3		10.9	11.3	11.1	12.9 (d) 14.5 (e)
Depressed floor covering thickness	H68	.5					
Minimum knee room	L48	5.5		2.5 (a) 1.9	4.3 (c) 3.9	2.7 (b) 2.2	4.9 (d) 2.0 (e)
Rear compartment room	L3	28.6		25.2 (a) 25.1	26.8	24.9 (b) 25.1	29.3 (d) 26.5 (e)
Back angle	L41	25°		29°	25°	23.5°	25°
Hip angle	L43	89°		85.5° (a) 85°	88° (c) 86°	81.5° (b) 80.6°	93.5° (d) 94° (e)
Knee angle	L45	99.5°		81.2° (a) 81.7°	98.5° (c) 91°	85.5° (b) 81.7°	102° (d) 93° (e)
Foot angle	L47	117°		105° (a) 105°	112.1° 112° (c)	106°	115° (d) 105° (e)
D Point differential, side to center	H66	.9					0.0
D Point to tunnel	H55	2.1		1.7	2.1	1.8	3.0 (d) 4.7 (e)

- (a) Bucket seat Model 63.
- (b) Bucket seat Model 76.
- (c) Bucket seat Model 57.
- (d) Model 71B and 71E (6 passenger).
- (e) Model 71A and 71C (9 passenger).

# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED (\*)

## SEAT AND ENTRANCE DIMENSIONS



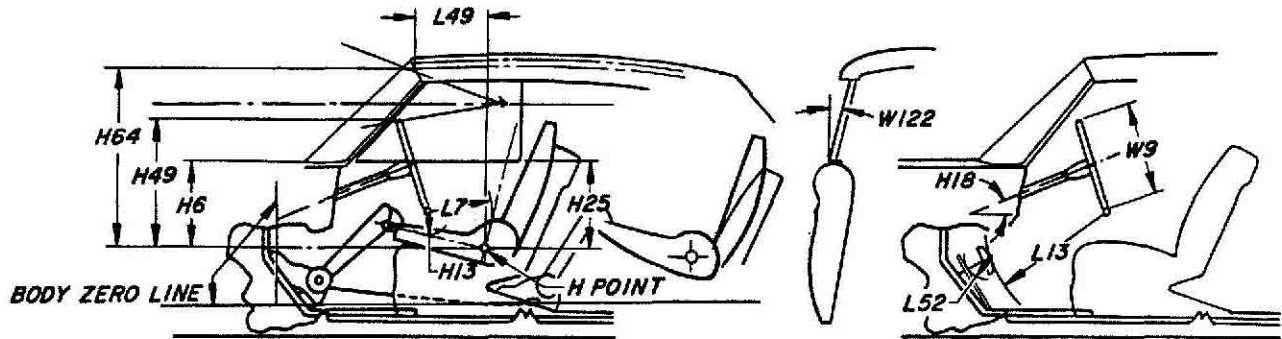
	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON <sup>*</sup>	
		2-Door 62	4-Door 54	2-Door 63	4-Door 57	2-Door 76	4-Door 71	
Shoulder room - front	W3	59.6	58.9 (a) (b) (c)					
Hip room - front	W5	62.3	61.7 (a) (b) (c)					
Seat width - front	W16	58.8	21.5 (a) (b) (c)					
Upper body opening to ground - front	H50	50.8		50.1			51.1	
Entrance height - front	H11	30.2		29.5	29.1 (a) (b) (c)		30.2	
Step height - front (design load)	H115	13.1					13.3	
Step height - front (curb load)	H130	14.9					15.1 (d) 14.7 (e)	
Entrance foot clearance - front	L18	14.9		15.4	18.5 (a) (b) (c)			
Seat cushion deflection - front	H32	4.2	2.5 (a) (c)			2.5 (b) 4.0	4.2	
Seat back thickness - front	L14	6.7	5.4 (a) (b) (c)					
Shoulder room - rear	W4	60.7	61.2	60.2 (a) 60.7	60.2 (c) 61.2	50.9 (b) 50.3	60.5 (d) 60.9 (e)	
Hip room - rear	W6	63.1	63.5	62.9 (a) 63.1	62.8 (c) 63.5	51.0	63.4 (d) 62.9 (e)	
Upper body opening to ground - rear	H51	--	50.5	--	49.8	--	51.1	
Entrance height - rear	H12	--	30.8	--	30.0	--	29.5 (d) 27.9 (e)	
Step height - rear (design load)	H116	--	12.8	--	12.8	--	13.0	
Step height - rear (curb load)	H131	--	14.9	--	14.9	--	15.2 (d) 14.9 (e)	
Entrance foot clearance - rear	L19	7.4	11.1	10.8 (a) 7.4	10.5	9.2 (b) 6.7	11.7 (d) 9.0 (e)	
Seat cushion deflection - rear	H33	4.1		4.6	4.0 (c) 4.2	3.8	3.6 (d) 3.8 (e)	
Seat back thickness - rear	L15	7.2	6.1 (a)		7.3	6.2 (b) 5.1 (d) 4.8 (e)		

(a) Bucket seat Model 63. (d) Model 71B and 71E (6 passenger).  
 (b) Bucket seat Model 76. (e) Model 71A and 71C (9 passenger).  
 (c) Bucket seat Model 57.

# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED(•)

## VISION AND CONTROL DIMENSIONS



MODEL	Ref. No.	SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.	WAGON
		2-Door 62	4-Door 54	2-Door 63	4-Door 57	2-Door 76	4-Door 71
H Point to windshield bottom DLO	H6	18.9	18.6 (a) (b)				
H Point to windshield upper DLO	H64	31.2		30.6	30.3 (a)	30.4 (b) 30.7	31.2
H Point to windshield upper DLO	L49	15.4		15.3	15.0 (a)	14.7 (b) 15.0	15.4
Belt height - front	H25	16.8	16.5 (a) (b)				
Steering wheel center to centerline of car	W7	17.1					
Steering wheel maximum outside diameter	W9	17.0					
Steering column angle - horizontal	H18	24.6°					
H Point to top of steering wheel	H49	23.3	23.0 (a) (b)				
Steering wheel torso clearance	L7	12.1	11.6 (a) (b)				
Steering wheel thigh clearance	H13	4.2	3.8 (a) (b)				
Brake pedal knee clearance	L13	24.3					
Brake pedal to accelerator	L52	4.0	3.9 (a) (b)				
Tumble-home	W122	14°					

(a) Bucket seat Model 63 and 57.

(b) Bucket seat Model 76.

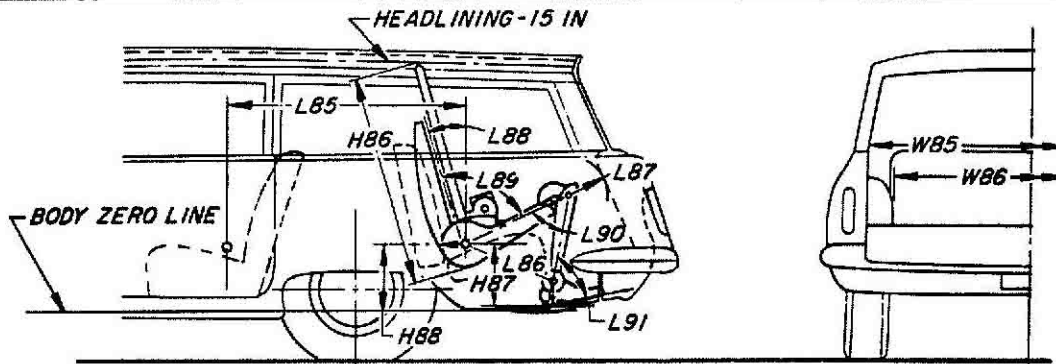
# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED \_\_\_\_\_ REVISED(•) \_\_\_\_\_

## LUGGAGE COMPARTMENT

MODEL	Ref. No.	SEDAN 2-Door 62	SEDAN 4-Door 54	HARDTOP 2-Door 63	HARDTOP 4-Door 57	CONV. 2-Door 76
Usable luggage capacity (See instructions)		17.1		17.7	17.1	
Liftover height	H195	28.0				
Position of spare tire storage		On rear kick-up over axle - Centerline of Car				
Method of holding lid open		Torsion bar hinge				

## THIRD SEAT DIMENSIONS



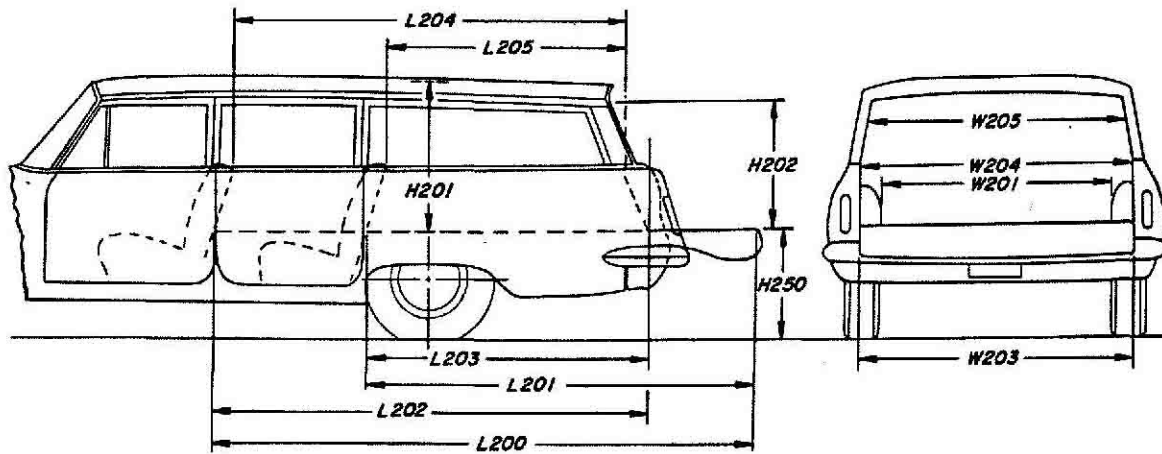
MODEL	Ref. No.	STATION WAGON 9 Passenger 71A-C
Seat facing direction		Forward
Shoulder room	W85	61.0
Hip room	W86	45.5
H Point couple distance	L85	36.2
H Point to body zero line - third seat	H88	13.1
Effective head room	H86	35.7
Effective leg room	L86	39.4
H Point to heel point	H87	12.8
Knee room	L87	5.6
Back angle	L88	27°
Hip angle	L89	100°
Knee angle	L90	112.1°
Foot angle	L91	130.1°



# AMA Specifications—Passenger Car

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## STATION WAGON—CARGO SPACE DIMENSIONS



MODEL	Ref. No.	STATION WAGON 6 Passenger 71B-E	STATION WAGON 9 Passenger 71A-C
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	122.1	
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	86.1	90.0
Floor length from back of front seat at floor level to inside of closed tail gate	L202	98.5	
Floor length from back of second seat at floor level to inside of closed tail gate	L203	62.5	66.4
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	84.5	
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	48.7	51.9
Maximum width of cargo space at floor - specify location	W200	62.7	
Minimum distance between wheel houses at floor level	W201	44.9	
Rear end opening width at floor	W203	50.4	
Rear end opening width at belt	W204	50.4	
Maximum width of rear opening above belt	W205	47.9	
Maximum height - floor covering to headlining at centerline of rear axle	H201	33.3	
Maximum height of rear opening - tail and lift gates open	H202	26.3	
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	27.8	27.3
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		Sliding glass and drop tailgate	
Cargo volume index (cu. ft.) W4 x L204 x H201 1728		99.2	

# AMA Specifications – Passenger Car

MAKE OF CAR	FORD	MODEL YEAR	1964	DATE ISSUED	10-1-63	REVISED (*)
		SEDAN	SEDAN	HARDTOP	HARDTOP	CONV.
		2-Door	4-Door	2-Door	4-Door	2-Door
MODEL		62	54	63	57	76
						WAGON
						4-Door
						71

## BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front				
	Rear doors	Front				
Type of finish (lacquer, enamel, other)		Enamel				
Hood counterbalanced (yes, no)		Yes				
Hood release control (internal, external)		External				
Vehicle (Serial) No. Location		The Official Serial No. is stamped on a tab attached to the top right side (weld flange) of the dash panel in the engine compt.				
Engine No. Location		Boss on front left cylinder block				
Theft protection - type		Door locks, ignition key start, theft retarder ignition switch				
Vent window control method (crank, friction pivot)	Front	Crank				
	Rear	None				
Seat cushion type	Front	Conventional (Bench Seat)	Custom (Bucket Seat)			
	Rear	Conventional (Bench Seat)	Custom (Bucket Seat)			
	3rd seat	Polyfoam				
Seat back type	Front	Conventional (Bench Seat)	Custom (Simulated Bucket)			
	Rear	Conventional (Bench Seat)	Custom (Simulated Bucket)			
	3rd seat	Polyfoam				
Windshield glass type (i.e., single curved - laminated plate)		Compound curved, laminated plate				
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curved, tempered sheet, one piece Flat, tempered sheet, one piece (a)				
Side glass type (i.e., curved - tempered plate)		Flat, tempered sheet				
Side glass exposed surface area		1477.9	1501.3	1244.8	1326.2	1126.8
Windshield glass exposed surface area		1302.8	1302.8	1268.0	1268.0	1268.0
Backlight glass exposed surface area		1156.5	1156.5	1120.8	1134.3	701.0
Total glass exposed surface area		3937.2	3860.6	3633.6	3728.5	3095.8

## BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	Optional				
	Vent Windows	NA				
	Backlight or tailgate	Standard				
Power seats (specify type as well as availability)		Optional, 4-way Bench or Bucket Seat				
Reclining front seat back		NA				
Front seat headrest		NA				
Radios (specify type as well as availability)		Optional 1. Push Button AM Transistor    2. Push Button AM-FM Transistor				
Rear seat speaker		Optional				
Power Antenna		NA				
Clock		Standard    Optional (b)				
Air Conditioner (specify type and availability)		Optional, Recirculating				

(a) Model 76 and 71.

(b) Custom, Custom 500 and Country Squire.

# AMA Specifications – Passenger Car

MAKE OF CAR FORD MODEL YEAR 1964 DATE ISSUED 10-1-63 REVISED (\*)

## WEIGHTS

	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT	
	Front	Rear	Total	Pass. In Front		Pass. In Rear			
				Front	Rear	Front	Rear		
<u>289 CID 2V Engine</u>									
Model									
<u>Custom</u>									
2-Door Sedan	62E	1933	1769	3702	53	47	20	80	3549
4-Door Sedan	54E	1971	1821	3639	53	47	20	80	3639
<u>Custom 500</u>									
2-Door Sedan	62B	1935	1800	3735	53	47	20	80	3582
4-Door Sedan	54B	1975	1860	3835	53	47	20	80	3682
<u>Galaxie 500</u>									
2-Door Sedan	62A	1947	1803	3750	53	47	20	80	3597
4-Door Sedan	54A	1987	1863	3850	53	47	20	80	3697
2-Door Hardtop	63B	1956	1805	3761	53	47	25	75	3608
4-Door Hardtop	57B	1996	1866	3862	53	47	23	77	3709
2-Door Convertible	76A	2045	1887	3932	53	47	25	75	3779
<u>Galaxie 500 XL</u>									
2-Door Hardtop	63C	1969	1817	3786	53	47	25	75	3633
4-Door Hardtop	57C	2009	1878	3887	53	47	23	77	3734
2-Door Convertible	76B	2055	1899	3954	53	47	25	75	3801
<u>Station Wagon</u>									
4-Door Country Sedan	71B	1953	2201	4154	53	47	20	80	4001
4-Door Country Sedan	71C	1950	2215	4166	53	47	23	77	4013
4-Door Country Squire	71E	1955	2213	4168	53	47	20	80	4015
4-Door Country Squire	71A	1953	2227	4180	53	47	23	77	4027
Accessories & Equipment Differential Weights				Remarks					
223 CID 1V Engine	- 11	0	- 11						
352 CID 2V Engine	139	43	182	Includes dual exhausts					
390 CID 4V Engine	143	43	186	Includes dual exhausts					
Cruise-O-Matic XP	- 12	- 4	- 16	Models with 223 CID engine					
Cruise-O-Matic XP	8	2	10	Models with 289 CID engine					
Cruise-O-Matic FX	37	10	47	Models with 289 CID engine					
Cruise-O-Matic MX	25	7	32	Models with 352 CID engine					
Cruise-O-Matic MX	33	10	43	Models with 390 CID engine					
Manual Transmission	16	7	23	4-Speed, 390 CID engines only					
Overdrive	22	6	28	Models with 223 CID engine					
Overdrive	25	7	32	Models with 289 CID engine					
Overdrive	37	11	48	Models with 390 CID engine					
Air Conditioner	104	3	107						
Radio and Antenna (AM)	4	2	6	(AM-FM) Radio 8 lbs.					
Power Steering	28	0	28						
Power Brakes	9	1	10						
Power Windows	9	12	21						
Power Seat, 4-way	18	16	34	Bench seat. Bucket seat 20 lbs.					
Battery, Heavy Duty	12	- 2	10						
Luggage Rack	5	23	28	Available on Model 71 only					
Steering column, movable	7	3	10	Optional with power steering & auto. trans.					

\* These are weights that are reported to states for licensing purposes.