AMA Specifications – Passenger Car

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MAKE OF CAR Falcon **MODEL YEAR** 1960 **DATE: ISSUED** 9-15-59 **REVISED** 4-7-60

COMPANY

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
Falcon:		Station Wagons:	
Tudor Sedan	64A	Tudor	59A
Fordor Sedan	58A	Fordor	71A

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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 the standard model without optional equipment. Significant deviations are noted.
   b. Specifications apply basically to 4-door sedan or equivalent.
   c. Nominal design dimensions are used throughout these specifications.

● - Revised

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	64A	58A	59A	71A	
Wheelbase (L-101)		23	109.5				
Tread	Front (W-101)	24	55.0				
	Rear (W-102)	24	54.5				
Maximum Overall Dimensions	Length (L-103)	23	181.2		189.0		
	Width (W-103)	24	70.3		70.3		●
	Height (H-101)	22	54.5		55.1		
Transmission–(Specify trade name - opt., not available)	Manual	13	Standard				
	Overdrive	14	Not Offered				
	Automatic	14	Optional				●
Axle ratio	Manual	15	3.10:1 - 3.56:1 (a)		3.56:1 3.89:1 (a)		●
	Overdrive	15	Not Offered				
	Automatic	15	3.10:1 - 3.56:1 (a)		3.56:1 3.89:1 (a)		●
Tire size		16	6.00 x 13-4 ply.		6.50 x 13-4 ply.		
Engine	Type, no. cyl., valve arr.	2	Six-In-Line OHV				
	Fuel system (Carb. or inj.)	6	Carburetor				
	Bore and stroke	2	3.50 x 2.50				
	Piston displ., cu. in.	2	144.3				
	Std. compression ratio	2	8.7				
	Max. bhp at engine rpm	2	90 @ 4200				
	Max. torque at rpm	2	138 @ 2000				

(a) optional ratio

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ENGINE—GENERAL

Type, no. cyls., valve arr.		Six-In-Line OHV
Bore and stroke		3.50 x 2.50
Piston displacement, cu. in.		144.3
Bore spacing (C/L to C/L)		4.08
No. system (front to rear)	L. Bank	-----
	R. Bank	-----
Firing order		1-5-3-6-2-4
Compres. ratio (nominal)	Standard	8.7
	Optional	-----
Cylinder Head Material -	Standard	Cast Iron
	Optional	-----
Cylinder Sleeve -Wet, dry, none		None
Number of mounting points	Front	Two
	Rear	One
Engine installation angle		4° 7'
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		29.4
Published max. bhp at engine RPM*	Standard	90 @ 4200
	Optional	-----
Published max. torque* (lb. ft. @ RPM)	Standard	138 @ 2000
	Optional	-----
Recommended fuel regular - premium	Standard	Regular
	Optional	-----
Recommended idle speed (neutral)		520 RPM

ENGINE—PISTONS

Material	Aluminum Alloy
Description and finish	Autothermic Solid Skirt, Tin-Plated
Weight (piston only) oz.	17.56 - 17.71

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

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ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.0155-.0187
	Skirt	Top	.0022-.0033
		Bottom	.0007-.0023
Ring groove depth	No. 1 ring		.1955-.2017
	No. 2 ring		.1955-.2017
	No. 3 ring		.1955-.2017
	No. 4 ring		

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.	
Compression	Description - material, type, coating, etc.	#1 Straight face, alloy cast iron, chrome plated #2 Straight face, alloy cast iron, phosphate coated
	Width	.078
	Gap	.010 - .020
Oil	Description - material, type, coating, etc.	#3 Rails & Expanders SAE 1070 Steel Rails Chrome Faced-Steel Expanders
	Width	.1875 Max. Assy.
	Gap	.015 - .055 Rails Only
Expanders		Rails Only- Part of Oil Ring Assy.

ENGINE—PISTON PINS

Material			Alloy Steel-heat treated
Length			3.020
Diameter			.912
Type	Locked in rod, in piston, floating, etc.		Pressed fit in rod
	Bushing	In rod or piston	Piston
		Material	------
Clearance	In piston		.0001 - .0005
	In rod		------
Direction & amount offset in piston			To right - .0625

ENGINE—CONNECTING RODS

Material		Forged steel with separately forged caps
Weight (oz.)		18.6 - 18.8
Length (center to center)		4.855
Bearing	Material & Type	M8A1-M8A3 Intermediate material (Replaceable inserts)
	Overall length	.755 (effective)
	Clearance (limits)	.0008 - .0023
	End play	.0035 - .0105

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ENGINE—CRANKSHAFT

Material			Precision molded alloy cast iron
Vibration damper type			None
End thrust taken by bearing (No.)			No. 3 Bearing
Crankshaft end play			.004-.008
Main bearing	Material & type		Steel backed micro-babbitt
	Clearance		.0006-.0020
	Journal dia. and bearing overall length	No. 1	2.248-2.249 x 1.010-1.020
		No. 2	2.248-2.249 x 1.010-1.020
		No. 3	2.248-2.249 x 1.269-1.271
		No. 4	2.248-2.249 x 1.010-1.020
		No. 5	----------
		No. 6	----------
		No. 7	----------
	Dir. & amt. cyl. offset		
Crankpin journal diameter			2.123 - 2.124

ENGINE—CAMSHAFT

Location			In Block
Material			Precision molded, special alloy iron (phosphate coated)
Bearings	Material		Replaceable inserts, steel backed babbitt
	Number		Four
Type of Drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		Sintered Iron
	Camshaft gear or sprocket material		Cast Iron
	Timing chain	No. of links	50
		Width	.875
		Pitch	.375

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Not Offered
Valve rotator, type (intake, exhaust)		Ford-Free turn design
Rocker ratio		1.50: 1.0
Operating tappet clearance (indicate hot or cold)	Intake	.016 Hot
	Exhaust	.016 Hot
Timing marks on flywheel, damper, other		On Timing Pointer on Front Cover

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ENGINE—VALVE SYSTEM (cont.)						
Timing	Intake	Opens (°BTC)	15°			
		Closes (°ABC)	37°			
		Duration - deg.	232°			
	Exhaust	Opens (°BBC)	45°			
		Closes (°ATC)	7°			
		Duration - deg.	232°			
	Valve opening overlap		22°			
Intake	Material		SAE-1047 Alloy (Aluminized)			
	Overall length		4.26			
	Actual overall head dia.		1.467			
	Angle of seat & face		45° 30' to 45° 15'			
	Seat insert material		None			
	Stem diameter		.310			
	Stem to guide clearance		.0008 - .0025			
	Lift		.344			
	Outer spring press. and length	Valve closed (lb. @ in.)	52 @ 1.585			
		Valve open (lb. @ in.)	117 @ 1.222			
	Inner spring press. and length	Valve closed (lb. @ in.)	-----			
		Valve open (lb. @ in.)	-----			
Exhaust	Material		Cast Austenitic Steel (M-2K17)			
	Overall length		4.26			
	Actual overall head dia.		1.266			
	Angle of seat & face		45° 30' - 45° 15'			
	Seat insert material		None			
	Stem diameter		.310			
	Stem to guide clearance		.0018 - .0035			
	Lift		.344			
	Outer spring press. and length	Valve closed (lb. @ in.)	52 @ 1.585			
		Valve open (lb. @ in.)	117 @ 1.222			
	Inner spring press. and length	Valve closed (lb. @ in.)	-----			
		Valve open (lb. @ in.)	-----			

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist
	Camshaft bearings	Pressure
	Tappets	Gravity
	Timing gear or chain	Reduced Pressure
	Cylinder walls	Pressure Stream

(Continued)

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor
Normal oil pressure (lb. @ engine rpm)	45 - 55 P.S.I. @ 2000
Oil pressure sending unit (elect. or mech.)	Electrical (Low Pressure Warning)
Type oil intake (floating, stationary)	Stationary, shrouded screen in sump
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	(Complete) Disposable Can Type
Capacity of crankcase, less filter-refill (qt.)	3.5
With Filter Oil grade recommended (SAE viscosity and temperature range)	SAE 30 above 90° --------- Prevailing Temp. SAE - 20 or 20W above / 32° F. SAE - 10 or 10W / 32° to -10° F. SAE - 5W below - 10° F.
Engine Service Requirement (MM, MS, etc.)	MS - ASTM-GIV Test Sequence

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single round, galvanized exterior aluminum interior
Muffler No. & type (reverse flow, straight thru, separate resonator)		Three Passage
Exhaust pipe dia. (O.D. / wall thickness)	Branch	Back of axle beside fuel tank
	Main	5.0 x 18.0
Tail pipe diameter (O.D. & wall thickness)		1.50

ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor
Fuel Tank	Capacity (gals.)		14
	Filler location		Rear Center
Fuel Pump	Type (elec. or mech.)		Mechanical
	Locations		Left Center of Engine
	Pressure range		4 to 5 P.S.I.
Vacuum booster (std., optional, none)			Standard
Fuel Filter	Type		Wire cloth-plastic and accreted paper.
	Locations		Wire cloth-in tank; accreted paper in fuel line.
Carburetor	Make & Model No.		Holley
	Number of carbs., bbls. per carb. & type		Single Barrel Downdraft
	Barrel size		1.437
	Choke type		Manual
	Intake manifold heat control (exhaust or water)		None
	Air clnr. type	Standard	Dry, replaceable paper element
		Optional	----------

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ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure
Radiator cap relief valve pressure			14 P.S.I. - Full Time Pressure
Circulation thermostat	Type (choke, bypass)		Thermostatic-Cartridge Type
	Starts to open at (°F)		175 - 180° F.
Water pump	Type (centrifugal, other)		Centrifugal
	Number of pumps		One
	Drive (V-belt, other)		V-Belt
	Bearing type		Double row, Sealed ball
By-pass recirculation type (internal, external)			---------
Radiator core type (cellular, tube and fin, other)			Down flow, Tube & fin
Cooling system capacity	With heater (qt.)		9.3
	Without heater (qt.)		8.7
	Opt. equipment-specify (qt.)		-----
Water jackets full length of cylinder (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator hose	Lower	Number and type (molded, straight)	One Molded
		Inside diameter	1.25
	Upper	Number and type (molded, straight)	One Molded
		Inside diameter	1.25
	By-pass	Number and type (molded, straight)	------
		Inside diameter	------
Fan	Number of blades & Spacing		Four
	Diameter		14.0 inch
	Ratio-fan to crankshaft rev.		1.05:1
	Fan cutout type		None
	Bearing type		Double row, sealed ball (water pump bearing)
*Drive belts (indicate belt used by letter)	Fan		A
	Generator		A
	Water Pump		A
	Power Steering		-------
	Air Conditioning		-------

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*Drive Belt Dimensions	A
Angle of V	36°
Nominal length (SAE)	33.40
Width	.380

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Various-CODF-10655A
	Voltage Rtg. & Total Plates		12 Volts-54 Plates
	SAE Designation & Amp Hr. Rtg		40 Ampere Hours
	Location		Engine Compartment-Right
	Terminal grounded		Negative
Generator	Make		Ford
	Model		CODF-10000-C
	Type		Shunt - 25 AMP
	Ratio—Gen. to Cr/s rev.		2.17:1
	Gen. cut-in (hot)—engine rpm		565 RPM @ 12.8 Volts
Regulator	Make		Ford
	Model		CODF-10505-A
	Type		3 Coil
	Cutout relay	Closing voltage @ generator rpm	12.4 - 13.2 @ 75° F - 1220
		Reverse current to open	8.0 AMPS @ 12.2 Volts
	Regulated	Voltage	14.6 - 15.4
		Current	23 to 27
	Voltage test conditions	Temperature	75° F
		Load	5 AMP @ rated load
		Other	----------

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Ford
	Model		CODF-11001-A
	Rotation (drive end view)		Clockwise
	Engine cranking speed		240 RPM @ 70°F.
	Test conditions		70° F.
	Lock test	Amps	54.0
		Volts	4.2
		Torque (lb. ft.)	14.0
	No load test	Amps	50.0
		Volts	12
		RPM (min.)	9500
Motor control	Switch (solenoid, manual)		Electro-Mechanical
	Starting procedure		Place shift lever, in neutral - turn ignition key to exteme right position.

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive Engagement
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	133
	Flywheel tooth face width		0.375

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Ford
	Model		FAC-12029-A
	Amps	Engine stopped	4.5
		Engine idling	2.5
Distributor	Make		Ford
	Model		CODF-12127-A
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	------
		Intermediate points deg. @ rpm	------ ------
		Max deg. @ rpm	------
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0° @ 0"
		Intermediate points, deg @ in Hg	-1° to + 1° @ .55" 11.05° to 13.30° @ 1.81"
		Max. deg. in. Hg.	25.5° to 28° @ 5.35"
	Breaker gap (in.)		.024 - .026
	Cam angle (deg.)		35° - 38°
	Breaker arm tension (oz.)		17-20
Timing	Crankshaft deg. @ rpm.		2° @ 500 manual trans. 6° @ 500 auto. trans.
	Mark location		Indicator scale on front cover
	Cylinder numbering system (see page 2)		No. I cylinder, front of block
	Firing order (see page 2)		1-5-3-6-2-4
Spark Plug	Make and model		Champion F14 Y
	Thread (mm)		18 MM
	Tightening torque (lb. ft.)		20-30
	Gap		.032-.036
Cable	Conductor type		Resistance Core Cable
	Insulation type		Neoprene Sheath
	Spark plug protector		Neoprene 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 plug.

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ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	Ford
	Trip odometer (yes, no)	No
Charge indicator—type		Warning Light
Temperature indicator—type		Ford-Gage Thermo
Oil pressure indicator—type		Warning Light
Fuel indicator—type		Ford-Gage Thermo
Other		-------
Ignition switch	Identify positions in order and circuits controlled	To Left: Accessories "on" Center: Accessories and ignition "off" To Right: First position; accessories and ignition "on" Second position; starter and ignition "on" acc. "off"
	Provision for illumination	None
	Location	--------
Main lighting switch	Identify positions and lights controlled	Pull out 1st. position: parking, taillights, license and instrument panel lights. 2nd. position: headlights, taillights, license and instrument panel lights. Rheostat controlled-knob turned clockwise, dims instrument panel lights, and counter-clockwise to brighten instrument panel lights.
Other light switches	Locations and lamps controlled	Dome light; switch located in headlamp switch and courtesy lamp switch in door pillar.
Other switches	Locations and devices controlled	
Windshield wiper	Make	
	Type	Bowden Wire Control
	Vacuum booster provision	Vacuum
	Washer provision	Yes
Horn	Type	Ford
	Number used	Two
	Amp draw (each)	10

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ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

MODEL	64A	58A	59A	71A
Headlamps & arrangement	Two 6012 50-40 watts			
Headlamp beam indicator	One - 1 CP #1445			
Parking	Two - 4-32 CP #1034			
Tail	Two - 4-32 CP #1034			
Stop	Two - 32 CP #1034			
Direction signal – Front	See Parking Lamp			
Direction signal – Rear	See Rear Lamp			
Direction signal – Indicator	One - 1 CP #1445			
License plate	One - 4 CP #67			
Instrument	2-2 CP #57 for speedo & gauges --- 2-1 CP #1445 for oil and gen.			
Ignition lock	None			
Back up	None			
Dome	One - 15 CP #1003			
Clock	None			
Radio	One - 2 CP #57 or One 2 CP #1815			
Glove compartment	None			

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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 lights SFE-10 (a), Direction indicator same as (a).

Headlamp	12 CB-A
Headlamp beam indicator	12 CB-A
Parking light	SFE - 15-A
Tail light	SFE - 15-A
Stop light	SFE- 15-A
Direction indicator	SFE - 14
License plate light	SFE - 15-A
Instrument light	SFE - 15-A
Ignition light	None
Back up light	None
Dome light	SFE - 7.5
Clock	None
Clock light	None
Radio	SFE - 7.5
Glove compartment light	None
Cigar Lighter	Thermo or circuit breaker type on back of lighter

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	23.2	23.8
		Highest	----	
	Stop		23.2	23.8
	Backup		None	----
	License, rear		17.3	17.9
	Directional	Front	22.9	23.5
		Rear	23.2	23.8
	Headlamp	Inside	----	----
		Outside*	22.9	23.5
Distance from C/L of car to center of bulb	Tail	Inside	----	----
		Outside	30.2	30.2
	Stop		30.2	30.2
	Backup		None	None
	License, rear		On Center	On Center
	Directional	Front	19.5	
		Rear	30.2	30.2
	Headlamp	Inside	----	----
		Outside*	26.5	26.5

* If single headlamps are used enter here.

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DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Long Mfg. - single dry plate-pot type-non-centri
Type pressure plate springs		Coil
Total plate pressure (lb.)		1200
No. of clutch driven discs		One Assy.
Clutch facing	Material	Woven Asbestos
	Outside & inside dia.	8.50 x 5.375
	Total eff. area (sq.in.)	68.1
	Thickness	.123 - .127
	Engagement cushioning method	Springs
Release bearing	Type & method of lubrication	Pre-Packed
Torsional damping	Methods: springs, friction material	Springs

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Standard
Manual with overdrive (std. or opt.)	--------
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds			Three
Transmission ratios	In first		3.29:1 Non-synchro
	In second		1.75:1 Synchro
	In third		1.00:1 Synchro
	In fourth		----------
	In reverse		4.46:1
Synchronous meshing, specify gears			Second and Third
Lubricant	Capacity (pt.)		2.50 pts.
	Type recommended		M-568-D
	SAE viscosity number	Summer	SAE-80
		Winter	SAE-80
		Extreme cold	SAE-80

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DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

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

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name				Fordomatic
Type describe				Torque Converter with planetory gear
Method of Selection (Lever, Push Button or other)				Lever
Selector Pattern				P-R-N-D-L
List gear ratios Selector Pattern and indicate which are used in each selector position				Low 1.75:1 — High 1.00:1 — Rev. 1.50:1
Max. upshift speeds—drive range				48-55
Max. kickdown speeds—drive range				46-54
Torque convertor	Number of elements			Three Elements
	Max. ratio at stall			2.40:1
	Type of cooling (air, water)			Air
Lubricant	Capacity—refill (pt.)			6.25 quarts
	Type recommended			Type "A" Fluid
Special transmission features				

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DRIVE UNITS—PROPELLER SHAFT

Number used						One	
Type (exposed, torque tube)						Exposed	
Outer diameter x length* x wall thickness	Manual transmission					2.50 x 55.50 x .062-.067	
	Overdrive transmission					" " " " "	
	Automatic transmission					2.50 x 55.50 x .062-.067	
Intermediate bearing	Type (plain, anti-friction)					" " " " "	
	Lubrication (fitting, prepack)					" " " " "	
Universal joints	Make					Mechanical-1.75C-Modified	
	Number used					Two	
	Type (ball and trunnion, cross, other)					Cross	
	Bearing	Type (plain, anti-friction)				Needle Roller	
		Lubric. (fitting, prepack)				Pre-Lubricated	
Drive taken through (torque tube or arms, springs)						Rear Springs	
Torque taken through (torque tube or arms, springs)						Rear Springs	

DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)						Semi-Floating-Hypoid	
Drive Pinion Offset						1.5"	
No. of differential pinions						Two	
Gear ratio and No. of teeth	Automatic transmission					3.10:1 - 3.56:1 (a)	3.56:1 - 3.89 (a) ⓪
	Overdrive trans.					Not Offered	
	Manual transmission					3.10:1 - 3.56:1 (a)	3.56:1 - 3.89 (a) ⓪
Ring gear pitch diameter & O.D.						6.75 x .94	
Pinion adjustment (shim, other)						Shims	
Pinion bearing adj. (shim, other)						Shims	
Wheel bearing type						Single Row-Double Sealed Ball	
Lubricant	Capacity (pt.)					2.0 ●	
	Type recommended					Above 10° F. M-2628-B	Below 10° F. M-2628-A
	SAE viscosity number	Summer				SAE-90	
		Winter				SAE-80	
		Extreme cold				SAE-80	

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

Rev. Form 3-59

(a) Optional ratio

AMA Specifications – Passenger Car

MAKE OF CAR Falcon MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED 4-7-60

MODEL	64A	58A	59A	71A

DRIVE UNITS—WHEELS

Type & material		Pressed Steel Disc			
Rim (size and flange type)		13.0 x 4J		13.0 x 4½ J	
Attachment	Type (bolt or stud)	Studs			
	Circle diameter	4.50 In.			
	Number and size	4 RH 1/2" x 20 Threads			

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.00 x 13 - 4 Ply.		6.50 x 13 - 4 Ply.	
	Type - Nylon, etc.	Tubeless			
Rev/mile at ___ mph.		897		853	
Inflation press.(cold)	Front	24			
	Rear	24			

BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)		DSSA			
Power brake make & type (remote, integral, etc.)		------			
Effective area (sq. in.)*		114.3		137.2	
Gross lining area (sq. in.)**		131.0		150.56	
Percent brake effectiveness—front		63.1 %		46.6	
Drum	Diameter Front	9.0 x 2.25		9.0 x 2.25	
	Diameter Rear	9.0 x 1.50		9.0 x 2.25	
	Type and material	Composite			
Brake lining	Bonded or riveted	Riveted			
	Front Shoe Material	Molded Asbestos			
	Front Shoe Size (length x width x thickness) Front wheel	7.68 x 2.25 x 0.187		7.68 x 2.25 x.018	
	Front Shoe Size (length x width x thickness) Rear wheel	7.68 x 1.50 x 0.187		7.68 x 2.25 x.018	
	Front Shoe Segments per shoe	One			
	Rear Shoe Material	Molded Asbestos			
	Rear Shoe Size (length x width x thickness) Front wheel	9.81 x 2.25 x 0.187		9.81 x 2.25 x.018	
	Rear Shoe Size (length x width x thickness) Rear wheel	9.81 x 1.50 x 0.187		9.81 x 2.25 x.018	
	Rear Shoe Segments per shoe	One			
Wheel cylinder bore	Front	1.062		1.062	
	Rear	.8125		.875	
Master cylinder bore		1.00			
Available pedal travel		6.5			
Line pressure at 100 lb. pedal load		655			
Shoe clearance adjustment		.011			

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

AMA Specifications—Passenger Car

MAKE OF CAR Falcon MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED 4-7-60

MODEL	64A	58A	59A	71A

BRAKES—PARKING

Type of control		"T" Handle
Location of control		(1:1 Twist Release
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	----------
	Drum diameter	----------
	Lining size (length x width x thickness)	----------

FRAME or UNITIZED CONSTRUCTION

Type and description	Unitized Integral Body Frame Construction

SUSPENSION—GENERAL (See Supplemental page 17 for details on Air Suspension)*

Provision for car leveling		None Required
Provision for brake dip control		35% Anti-Dive Front Suspension
Provision for acc. squat control		Semi-Elliptical Rear Spring
Special provisions for car jacking		Bumpers
Shock absorber front & rear	Type	Direct Acting-Hydraulic (Rebound Cut-Off)
	Make	Gabriel Front - Ford Rear
	Piston dia.	1 3/16 Front 1" Rear
Other special features		Front Spring is Mounted on Pivot Plate

SUSPENSION—FRONT

Type and description	Independent S.L.A. - Ball joint with partial anti-dive features.

(Continued)

* Air Suspension:
- Air spring type
- Compressor data
  - type
  - make
  - drive ratio
- Normal operating pressures
- spring rates
- leveling data

AMA Specifications – Passenger Cars

MAKE OF CAR Falcon MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED 4-7-60

MODEL	64A	58A	59A	71A

SUSPENSION FRONT (cont.)

Spring	Type	Coil		
	Material	AISI - 5160 H		
	Size (coil design height & I.D.; bar length x dia.)	3.94 x .560	3.94 x .540	
	Spring rate (lb. per in.)	170	170	
	Rate at wheel (lb. per in.)	80	80	
	Design load (lb. @ design height)	1210	1140	
Stabilizer	Type (link, linkless, frameless)	Link Type		
	Material & bar diameter	.72		

STEERING

Mechanical (std., opt., NA)				Standard	
Power (std., opt., NA)				Not Offered	
Wheel diameter				17.0	
Turning diameter	Outside front	Wall to wall (l. & r.)		40.8	41.2
		Curb to curb (l. & r.)		38.3	38.8
	Inside rear	Wall to wall (l. & r.)		23.0	23.5
		Curb to curb (l. & r.)		23.5	24.0
Outside wheel angle with inside wheel at 20°				20° 45'	
Mechanical	Gear	Type		Recirculating ball & nut	
		Make		Ford	
		Ratios	Gear	19.88:1	
			Overall	27.0:1	
	No. wheel turns			4.64 - (Lock to Lock)	
Power	Type (coxial, linkage, etc.)				
	Make				
	Trade name				
	Gear	Type			
		Ratios	Gear	Not offered	
			Overall		
	Pump driven by				
	Number wheel turns				
Linkage	Type			Parallelogram System	
	Location (front or rear of wheels, other)			Rear	
	Drag link (trans. or longit.)			Transverse	
	Tie rods (one or two)			Two	

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR Falcon **MODEL YEAR** 1960 **DATE: ISSUED** 9-15-59 **REVISED** 4-7-60

MODEL	64A	58A	59A	71A

STEERING (cont)

Steering Axis	Inclination at camber (deg.)		7° @ 45' Camber
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	Friction Washer in Lower Joint
Wheel alignment (range and preferred)	Caster (deg.)		± 1° 30' (Shim Upper Arm) ± 30'
	Camber (deg.)		45' ± 30'
	Toe-in (outside tread-inches)		1/16 to 1/8 (Adjustable tie rod ends) design
Steering spindle & joint type			Integral Assy. with Ball Socket Joints
Wheel spindle	Diameter	Inner bearing	1.0625 I.D.
		Outer bearing	.6875 I.D.
	Thread size		5/8 x 18
	Bearing type		Tapered Roller

SUSPENSION—REAR

Type and description				Longitudinal Leaf	
Drive and torq. taken through (see page 15)				Through Springs	
Spring	Type			Semi-Elliptical	
	Material			Spring Steel-5160	
	Size (length x width, coil design height and I.D.; bar length & dia.)			50 x 2.0	
	Spring rate (lb. per in.)			80	116 ●
	Rate at wheel (lb. per in.)			94	131 ●
	Design load (lb. at design height)			635	840 ●
	Mounting insulation type			Harris Type Split Bushing	
	If leaf	No. of leaves		Five	
		Inserts	Type and size	Three Used	
			Material	Wax Impregnated Cloth	
		Shackle (comp. or tens.)		73° Compression	●
Stabilizer	Type (link, linkless, frameless)			None Used	
	Material			-------	
Track bar type				None Used	

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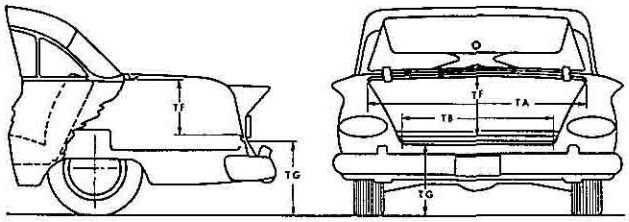
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. 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.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

BODY—TRUNK DIMENSIONS



MODEL	64A	58A
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	Not Available	
Total trunk volume in cu. ft. with spare tire in place	23.7	(Without spare, 25.3)
TA—Width across the top	44.5	
TB—Width across the bottom	44.2	
TF—Vertical dimension at C/L from bottom to top of opening	5.9	
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	27.7	
Position of spare tire stowage	Flat on Floor (Right Side)	
Method of holding lid open	Torsion Bar	

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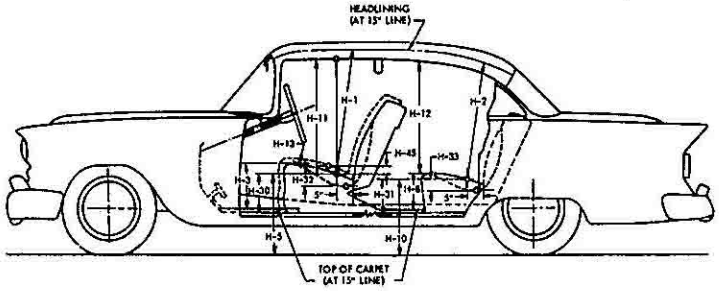
BODY—HEIGHT DIMENSIONS—INTERIOR



MODEL	64A	58A	59A	71A
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	33.8		33.8	
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	32.7		33.7	
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	11.4		11.4	
H5. Free "A" pt. to ground, front. Measured vertically	19.7		20.2	
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	14.2		12.7	
H10. Free "A" point to ground rear. Measured vertically	19.7		20.3	
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	29.6		29.6	
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	26.6		28.3	
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	5.5		5.5	
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	10.0		10.0	
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	11.6		11.6	
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.9		4.9	
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	5.1		3.9	
H45. Front seat maximum vertical rise at free "A" point	.32		.32	

AMA Specifications– Passenger Car

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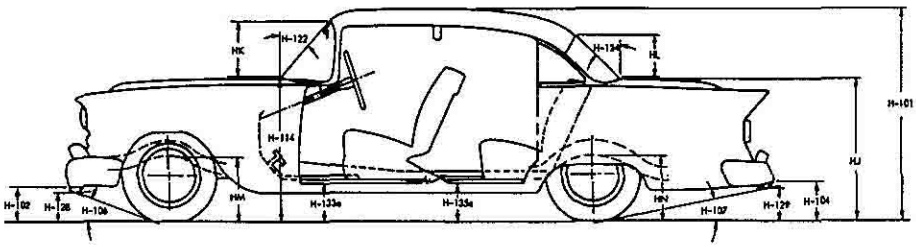
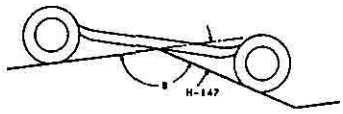
BODY—HEIGHT DIMENSIONS—EXTERIOR



θ - INCLUDED RAMP ANGLE
H-147 - RAMP BREAKOVER ANGLE (SUPPLEMENT OF INCLUDED RAMP ANGLE)



NOTE: For dimensions to lamps see page 12.

MODEL	64A	58A	59A	71A
H101. Overall height, full design load	54.5		55.1	
HB. Overall height, curb weight	56.3		56.9	
H102. Front bumper bottom to ground at normal section, min. height	12.7		13.3	
H104. Rear bumper bottom to ground at normal section, min. height	11.8		10.9	
H106. Angle of approach. To interfering point on bumper, guard, other	25° 07'		26° 05'	
H107. Angle of departure. To interfering point on bumper, guard, other	15° 24'		11° 56'	
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl	37.5		38.0	
H122. Windshield normal slope angle to vertical line on car C/L	50° 30'		50° 30'	
H124. Backlight normal slope angle to vertical line on car C/L	42°		21°	
H128. Bottom of front bumper guard to ground	----		----	
H129. Bottom of rear bumper guard to ground	----		----	
H133a. Bottom of front door to ground, min. dimension	11.1		11.7	
H135a. Bottom of rear door to ground, min. dimension	11.2		11.8	
H147. Ramp breakover angle	13° 22'		14° 30'	
H153. Min. road clearance at rear axle	6.9		7.5	
H156. Min. road clearance and location	5.9 (a)		6.4 (a)	
HJ. Deck at rear window to ground	35.3		35.8	
HK. Windshield DLO*. Vertical height at C/L	13.6		13.6	
HL. Back light DLO*. Vertical height at C/L	14.0		13.9	
HM. Bottom of frame to ground at C/L of front axle, min. height	11.82			
HN. Bottom of frame to ground at C/L of rear axle, min. height.	16.45			

* See Note, page 20

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(a) Rear Suspension

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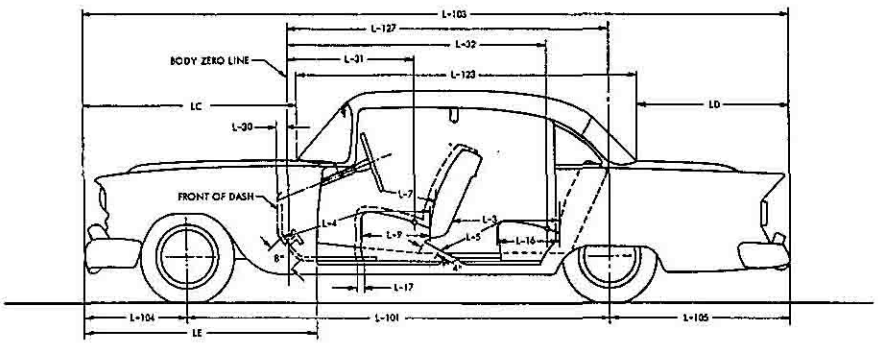
BODY—LENGTH DIMENSIONS



MODEL		64A	58A	59A	71A
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back	26.8	27.1	27.5	27.8 ●
	L4. Leg room, front. Ball of foot to top of seat to seat back	43.3		43.3	
	L5. Leg room, rear. Ball of foot to top of seat to seat back	39.4		38.3	
	L7. Steering wheel clearance to seat back taken on arc	13.0		13.0	
	L9. Front seat depth. Front edge to vert. tan. of seat back	19.2		19.2	
	L16. Rear seat depth. Front edge to vert. tan. of seat back	18.4		16.5	●
	L17. Maximum "A" point horizontal travel with normal seat adjustment	4.0		4.0	
	L30. Vertical body zero line to actual front of dash. Measured horizontally*	1.0		1.0	
	L31. Vertical body zero line to free "A" point, front	42.0		42.0	●
	L32. Vertical body zero line to free "A" point, rear	74.6		75.5	●
Exterior	L101. Wheelbase	109.5		109.5	
	L103. Overall length. Incl. bumper guards if standard equipment	181.2		189.0	
	L104. Overhang, front. Include bumper guards if stand. eq.	29.4		29.3	
	L105. Overhang, rear. Include bumper guards if stand. eq.	42.3		50.2	
	L123a. Body upper structure length at C/L, excl. molding	92.9		123.9	
	L127. Vertical body zero line to centerline of rear wheels	95.2		95.2	
	LC. Front of car to base windshield, excl. molding	54.7		54.6	
	LD. Rear of car to base of rear window or upper structure, excl. molding	33.6		10.5	
	LE. Front of car to front edge of front door	61.8		61.8	

* Precede figure with minus sign if front of dash is to rear of body zero line.

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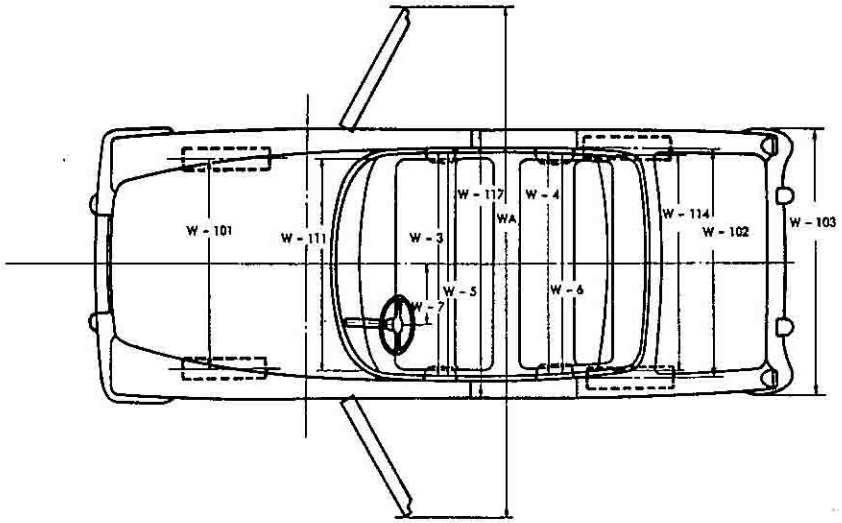
BODY—WIDTH DIMENSIONS



MODEL		64A	58A	59A	71A
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back	55.2		55.2	
	W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back	54.8	55.1	54.8	55.1
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back	57.0		57.0	
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back	56.6	56.7	56.7	
	W7. Steering wheel center (on surface plane of wheel) to C/L of body	15.0		15.0	
Exterior	W101. Front tread at ground	55.0		55.0	
	W102. Rear tread at ground	54.5		54.5	
	W103. Max. overall width of car including bumpers or moldings	70.3		70.3	
	WA. Max. overall width of car with doors open (2 & 4 door)	149.7	134.4	149.7	134.4
	W111. Windshield DLO, max. width	58.6		58.6	
	W114. Back window DLO, max. width	60.5		44.0	
	W117. Max. body width at center pillar, less hardware and applied moldings	67.2	67.0	67.2	67.0

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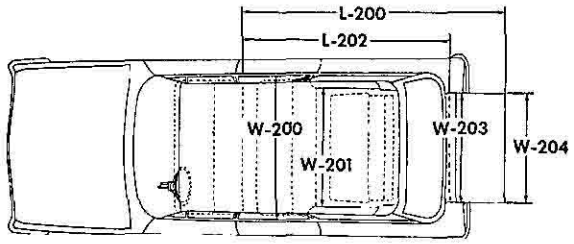
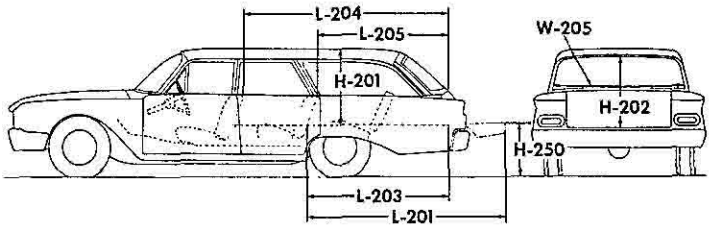
STATION WAGON—CARGO SPACE DIMENSIONS





NOTE: Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

MODEL	59A	71A
L200 Floor length from back of front seat at floor level to end of lowered tail gate	105.2	105.5
L201 Floor length from back of second seat at floor level to end of lowered tail gate	72.6	
L202 Floor length from back of front seat at floor level to inside of closed tail gate	85.3	85.6
L203 Floor length from back of second seat at floor level to inside of closed tail gate	52.7	
L204 Minimum horizontal distance from top rear of front seat back to inside of top of tail gate	74.7	
L205 Minimum horizontal distance from top rear of second seat back to inside of top tail gate	42.2	
W200a Maximum width of cargo space at floor, specify location	57.2	57.4
W201 Minimum distance between wheel houses at floor level	42.1	
W203 Rear end opening width at floor	45.5	
W204 Rear end opening width at top of tail gate	45.5	
W205 Maximum width of rear opening above raised tail gate	44.1	
H201 Maximum height, floor covering to headlining	32.6	
H202 Maximum height of rear opening, tail and lift gates open	27.0	
H250 Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight	23.2	
Third Seat, facing direction		
Tail and lift gates or sliding glass	Sliding Glass	

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BODY—MISCELLANEOUS INFORMATION

		MODEL 64A	58A	59A	71A
Drs. hinged (front, rear)	Front doors	Front			
	Rear doors	Front			
Type of finish (lacquer, enamel, other)		Enamel			
Hood hinge location (front, rear)		Rear			
Hood counterbalanced (yes, no)		No			
Hood release control (internal, external)		External			
Vehicle (Serial) No. Location		Door Pillar			
Engine No. Location		Engine			
Theft protection - type		Door Locks			
Vent window control method (crank, friction pivot)	Front	Friction Pivot			
	Rear	------			
Seat spring type (coil, zigzag, etc.)		Zigzag			
Windshield type (single curved, compound curved, other)		Curved-One Piece			
Rear window type (flat, curved, one piece, three piece)		Curved-One Piece			
Side glass type (curved, flat)		Flat			
Side glass exposed surface area		1350.8	1313.8	2596.4	2537.3
Windshield glass exposed surface area		1235.3	1235.3	1235.3	1235.3
Backlight glass exposed surface area		1146.1	1146.1	600.9	600.9
Total glass exposed surface area		3732.2	3695.2	4432.6	4373.5

BODY—TYPES AND STYLE NAMES—

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

BODY STYLES:	CODES
Passenger Series;	
Tudor Sedan	64A
Fordor Sedan	58A
Station Wagon:	
Tudor	59A
Fordor	71A

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MAJOR OPTIONAL ITEMS - WEIGHTS

Model	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Tudor Sedan - 64A	1283	1106	2389	48.6	51.4	18.8	81.2	2282
Fordor Sedan- 58A	1292	1132	2424	48.6	51.4	18.8	81.2	2317
Station Wagon:								
Tudor - 59A	1252	1395	2647	48.6	51.4	18.0	82.0	2540
Fordor - 71A	1261	1421	2682	48.6	51.4	18.0	82.0	2575

Accessories & Equipment Differential Weights				Remarks
Radio	6	2	8.0	
Heater	19	3	22	
Automatic Transmission	45.3	10.2	55.5	

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

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