

Automobile Manufacturers Association Consolidated Specification Questionnaire For 1946 Models Mechanical Details

Make of Car FORD Model 69A (V8-100 HP. 114" W.B.)
 Name of Maker FORD MOTOR COMPANY Address Dearborn, Michigan
 Date (Revised) 10-7-46

NOTE: (1) Subject to Correction: It is understood that the following data are subject to correction in the case of cars not in production at the time this compilation was requested.
(2) Only standard equipment included in Factory Delivered price should be included in this questionnaire.

ENGINE

No. of cylinders 8
 Valve arrangement "I" Head
 Bore 3.187" Stroke 3.75"
 Cylinder head, cast iron or aluminum Cast Iron
 Cylinder sleeve, Yes No No. X
 Piston displacement 239.4 Cu. In.
 Taxable horsepower 32.5
 Horsepower rating — 100 H.P.

To be based on actual performance corrected to 60°F. at sea level (barometric pressure 29.92 inches of mercury) with standard fuel. (Octane No. of fuel 70 Min.)

—With Bare Engine—

Maximum brake hp. 100 at 3800 R.P.M.

—With Standard Accessories—

Maximum brake hp. 89 at 3600 R.P.M.

*Those standard accessories needed for normal operation including fan, generator, starter, air cleaner, muffler, manifolds, fuel and water pumps.

Maximum torque—
 With bare engine, lb. ft. 180 at 2000 R.P.M.

With standard accessories,* lb. ft. 175 at 1600 R.P.M.

Compression Ratio—
 Standard 6.75:1 Optional ---

Standard compression pressure —pounds—
 At cranking speed ---
 At what R.P.M. 160 @ 2400 RPM

PISTONS and RINGS

Piston
 Make Sterling
 Material Aluminum Alloy
 Features—split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, porous chrome plate, etc. Split Skirt, Oval, Tin Plated
 Weight—ounces—without rings, pin or bushing 13.12
 Length 2.98 (Not including Dome)
 Clearance—
 Top land 0.020" to .0275"
 Skirt, top 0.003" bottom 0.00175"

PISTONS and RINGS (cont'd)

Piston ring groove depth—
 Oil Top .1605-.1688"
 Bot. .1725-.1788" Compression .1605-.1688"
 No. of oil rings used per piston ---
 Width of oil rings .1545-.1550"
 Width of oil ring gap .010-.017"
 No. of compression rings used per piston 2
 Width of compression rings .0915-.0920"
 Width of compression ring gap .010-.017"
 Maximum wall thickness of oil rings 0.147"
 Maximum wall thickness of compression rings 0.140"
 Are ring expanders used, Yes No X

RODS and PINS

Wristpin—
 Material Alloy Steel Tubing
 Length 2.8485 Diameter .7501-.7504"
 Locked in rod, piston or floating Floating
 Clearance in piston *0.0004" Loose to 0.0002" Tight
 Clearance in rod *0.0005" " to: 0.0007" "

Connecting rod—
 Length—center to center 7.000"
 Material Steel Forging
 Weight—ounces 17.35

Crankpin journal—
 Diameter 2.1385" Length 1.752"

Lower bearing—
 Material Spec. Alloy - Steel Backed
 Clearance Floating Br'g. to
 End play 0.006 to 0.014
 Ship—solid, laminated or none None
 Spun or separate Separate
 Rods and pistons removed from above or below Above

CRANKSHAFT

Material Cast Alloy Steel
 Weight—stripped 69.2 lbs.
 Vibration dampener used—yes or no No
 Type ---

*Selected to give thumb press fit at 70° F.

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CRANKSHAFT (cont'd)

Crankshaft counterweights used, number of **6**
 Which main bearing takes thrust **Rear**
 Crankshaft end play **.002" - .006"**
 Main bearing—
 Type: Cast-in or Slip-in **I**
 If slip-in: Removable from below **Yes**
 Necessary to align room **No**
 Material **Babbittion Steel**
 Clearance *** .000 - .0025"**
 Shim—solid, laminated or none **None**
 Main bearing journal diameter x length—
 No. 1 **2.499" X 1.500"**
 No. 2 **2.499" X 1.500"**
 No. 3 **2.499" X 2.250"**
 No. 4 **---**
 No. 5 **---**
 No. 6 **---**
 No. 7 **---**
 No. 8 **---**
 No. 9 **---**
 Crankshaft gear or sprocket—
 Make **Own**
 Material **Cast Iron**

CAMSHAFT

Camshaft gear or sprocket—
 Make **Own**
 Material **Cast Aluminum**
 Timing chain—
 Make **None**
 Number of links **---**
 Width **---**
 Pitch **---**

VALVES

INTAKE VALVE—

Make **Wilcox-Rich**
 Material **#1 Silchrome**
 Overall length **4.812" - 4.827"**
 Actual overall diameter of head **1.505" - 1.515"**
 Minimum port diameter **1.340"**
 Angle of seat **45°**
 Is valve seat an insert? **Yes**
 Stem diameter **.3105" - .3115"**
 Stem to guide clearance **0.0015" to 0.0035"**
 Lift **0.292"**
 Spring pressure and length—
 Outer—

* Selective Fit - Crank to turn free.

VALVES (cont'd)

With valve closed—lb. **38.5** ins. **2.13**
 With valve open—lb. **78** ins. **1.84**
 Length out of engine—ins. **2.41"**
 Inner— **None**
 With valve closed—lb. **---** ins. **---**
 With valve open—lb. **---** ins. **---**
 Length out of engine—ins. **---**

EXHAUST VALVE—

Make **Own**
 Material **Cast Nickel Chrome Alloy**
 Overall length **4.808" - 4.823"**
 Actual overall diameter of head **1.505" - 1.515"**
 Minimum port diameter **1.340"**
 Angle of seat **45°**
 Is valve seat an insert? **Yes** Material **Chrome Alloy**
 Stem diameter **.3095" - .3105"**
 Stem to guide clearance **0.0025" to 0.0045"**
 Lift **0.292"**
 Spring pressure and length—
 Outer—
 With valve closed—lb. **38.2** ins. **2.13**
 With valve open—lb. **78** ins. **1.84**
 Length out of engine—ins. **2.41"**
 Inner— **None**
 With valve closed—lb. **---** ins. **---**
 With valve open—lb. **---** ins. **---**
 Length out of engine—ins. **---**

Operating tappet clearance (hot or cold)—intake **0.011"**
 Tappet clearance for valve timing—intake **0.015"**
 Operating tappet clearance (hot or cold)—exhaust **0.015"**
 Tappet clearance for valve timing—exhaust **0.015"**
 Hydraulic valve lifters—yes or no **No**
 Valve timing—
 Intake opens **0** degrees BUDC piston travel. inches
 Intake closes **44** " ALDC " " inches
 Exhaust opens **48** " BLDC " " inches
 Exhaust closes **6** " AUDC " " inches

Valve Timing Marks—~~--- Distributor Housing~~
Distributor Housing

LUBRICATION

Lubricating system type—pressure or splash **Pressure**
 Oil pressure to—
 Main bearings—yes or no **Yes**
 Connecting rods—yes or no **Yes**
 Wristpins—yes or no **No**
 Camshaft bearings—yes or no **Yes**
 Tappets—yes or no **No**

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LUBRICATION (cont'd)

Timing gear or chain lubrication—*positive or splash* **Positive**
 Oil pump type **Gear**
 Oil grade recommended—*SAE viscosity and temperature range—*
 SAE-30 Above 32° F.
 SAE-20 Above 10° F.
 SAE-10 Above -10° F.
 ***SAE #10W** Lower than -10° F.
 Normal oil pressure—*lbs. at M.P.H. 50 @ 45 MPH*
 Pressure at which relief valve opens **55 to 60 P.S.T.**
 Capacity of oil reservoir—*quarts, dry 5.5..... refill 5*
 Oil pressure gauge make **King Sealey**
 Oil reservoir level gauge type **Dip Stick**
 Floating type oil intake—*yes or no* **No**
 External oil filter make **Fram**
 Other type of oil cleaner **Screen on Oil Pump**
 Oil cooler make **None**
 Chassis lubrication—*Make* **Zerk**

FUEL

Gasoline tank—*capacity* **17 Gals.**
 Fuel feed— **Camshaft Pump**
 Type—*vacuum tank, electric pump, gravity vacuum pump or camshaft pump* **Camshaft**
 Make **AG** Model **59A-9350**
 Carburetor—
 Make **Ford** Model **59A-9510**
 Number used **One**
 Size **1.00"**
 Type— **Downdraft**
 Up or down draft **Single or dual** **Dual**
 Intake manifold heat control—*manual, automatic or none* **Automatic**
 Automatic choke, make **None** Model
 Air cleaner—*intake silencer make* **Wayne & Sakes Prod.**
 Type—*dry felt; oil bath; oil coated fibre* **Oil Bath**
 Heavy Duty type—*Make* **United Spec. Model Oakes Prod.**
 Muffler make **Hobbslet Sparks**
 Tail pipe diameter **1 1/2"**

COOLING

Water pump—
 Type **(two) Centrifugal**
 Drive **Belt**
 Is pump equipped with packing nut **No**
 Water circulation thermostat make **Bishop & Babcock, Fulton**
 Pressure relief valve—*yes or no* **Yes**
 By-pass for recirculation—*yes or no* **No**
 Radiator core—
 Type **Tube & Fin.**
 Make **Modins, Ford, McCord, Long**

COOLING (cont'd)

Cooling system—*capacity, quarts* **22 Quarts**
 Water jackets full length of cylinders—*yes or no* **Yes**
 Water all around cylinder—*yes or no* **Yes**
 Lower radiator hose— **2 Req'd.**
 Inside diameter **1.75"** Length **5.75"**
 Upper radiator hose— **2 Req'd.**
 Inside diameter **1.75"** Length **23"**
 Fan belt— **2 req'd.**
 Make **Firestone - Dayton**
 Angle of vee **30° - 38°**
 Length, outside **53.46"-37.25"** 8th maximum **.625-.680"**
 Fan—
 Make **Schwitzer-Cummins** No. of Blades **4**
 & Novi.

IGNITION

Ignition units—
 Make **Ford** Model **59A**
 Manual or octane selector, *degrees advance* **10°** *retard* **10°**
 Maximum centrifugal advance crankshaft, *degrees* **26**
 at **3400** engine R.P.M.
 Inches of Mercury Necessary to operate Vacuum Advance (Plus or minus 1 inch) **14"**
 Maximum Vacuum advance crankshaft, *degrees* **26°**
 Breaker gap **.014-.016** Breaker arm tension **20-24** oz.
 Cam angle **35 - 38°** deg.
 Timing—*Breaker points open* **4°** *degrees crankshaft rotation*
 or **inches piston travel** (~~4~~ before) top center
 with octane selector in the **---** position.
 Timing mark location—*flywheel, vibration dampener or none* **None**
 Firing order **1-5-4-8-6-3-7-2**
 Amperage draw of ignition coil—
 With engine stopped **3.5**
 With engine idling **3**
 Spark plug—
 Thread—**10 m.m., 14 m.m. or 18 m.m.** **14 m.m.**
 Make **Champion** Model **H-10**
 Gap **.025 - .028"**
 Ignition cable make **Essex Wire**

BATTERY

Make **Various** Model **81A10655-A2**
 Capacity—*ampere hours* **100** @ 20 hour rate
 Number of plates per cell **17**
 Bench charging rate—
 Start **8-10 amps.** Finish **4 amps.**
 Which battery terminal is grounded **Positive**
 Location of battery **Under Hood**

*Dilute with kerosene to suit local operating requirements.

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STARTING MOTOR

Make Ford Model 18-11001
 Normal engine cranking speed 100 RPM
 Brush spring tension 27 oz.
 Lock test—
 Amperage draw 550 AMP.
 Volts 3.25
 Torque in pounds feet 15
 No load test—
 Amperage draw 45-60 AMP.
 Volts 5.8 R.P.M. 5000-8000
 Type of drive—~~Bendix~~ Solenoid
 Starting device—~~Solenoid~~ Solenoid
 Starter operation—check items required to start engine
 1. Turn on ignition X
 2. Depress starter pedal
 3. Depress accelerator pedal
 4. Depress clutch pedal
 5. Operate button on dash X
 6. Pull out throttle
 Starting motor pinion meshes front or rear Rear
 No. of teeth in flywheel 112
 Face width of flywheel teeth 3/8"
 Gear ratio between starter armature and flywheel 11.2:1

GENERATOR

Make Ford Model 21A10000
 Type—~~brush~~
 Brush spring tension 22 oz.
 Current regulator, voltage regulator or current and voltage control unit Volt & Current Regulator
 Maximum controlled charging rate
 Temperature 70° F.
 Amps 30-33
 Voltage 7.1-7.5
 R.P.M. 1800
 Cutout relay—
 Voltage at closing 6.3 - 6.5
 Amperes to open, reverse current 0-3
 Air gap .010
 Voltage regulator—
 Volts 7.1 - 7.5
 Temperature 70° F.
 Air gap .045
 Current regulator—
 Amperes 30
 Temperature 70° F.
 Air gap .045
 Car speed for maximum charging rate 22 MPH
 Ammeter or charge indicator make Ford

LAMPS

Lighting switch make RBM Mfg.
 Are tail and dash lights in series NO
 Headlights—
 Make Ford
 Location—in fender, in cutaway, or radiator shell Fender
 Parking or fender light make Ford
 Tail end stop light make Ford
 Horn—
 Type—vibrator or motor Vib. No. used 2
 Make Sparks-Withington
 Amperage draw of each 15 amp.

CLUTCH

Make Long
 Drive type—
 Direct to flywheel face X Yes
 Through fluid flywheel
 Semi-centrifugal X Yes
 Power operated unit—make NO
 Vibration insulation or neutralizer—fabric,
rubber blocks or springs Springs
 No. of clutch driving discs one
 No. of clutch driven discs one
 Clutch facing—
 Material—woven or moulded asbestos, moulded asbestos
rubber resin bonded
 Inside diameter 6.75
 Outside diameter 10.00
 Thickness .125
 No. required 2

TRANSMISSION

Transmission—
 Make Own Model
 No. of forward speeds 3
 Manual shift—yes, no Yes
 Automatic or auxiliary shifting mechanism—yes no X
 If yes, Make
 Type—centrifugal, vacuum, electric or hydraulic
 Automatic overdrive—
 Make None
 Oil capacity—pints
 Oil grade recommended—S.A.E. viscosity
 Summer Winter
 Gear ratio in high—standard 5-passenger
4-door sedan 3.54:1
 Transmission ratio—
 In overdrive 1.77:1
 In third 1:1 In fourth
 In low 3.11:1 In reverse 4.00:1

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TRANSMISSION (cont'd)

Constant mesh gears on second **Yes**
 Spur or helical gears—
 For second speed
 For first speed
 For reverse speed
 For all speeds **Helical**
 Synchronous meshing and third gears **Yes**
 Transmission oil—
 Capacity—*pints* **2-3/4"**
 Grade recommended—*S.A.E. viscosity*
 Summer **SAE 80** Winter **SAE 80**
 Universal joints—
 Make **Own**
 Number used **1**
 Type ~~metal with anti-friction bearing~~
 metal with plain bearing
 Lubricated with **Grease**
 Drive taken through springs, torque arm, torque tube or radius rods **Torque Tube**
 Torque taken through springs, torque arm, torque tube or radius rods **Torque Tube**

REAR AXLE

Rear axle—
 Make **Own** Model
 Type ~~Semi-floating~~ **three-quarter floating** **3-4**
 Minimum road clearance under center of rear axle—*tires inflated* **8.14**
 Rear axle oil—
 Capacity—*pints* **2 1/2**
 Grade and type recommended—*S.A.E. viscosity*
 Summer **90** Winter **80**
 Type of gearing—*spiral bevel, worm type*
 Gear ratio—*standard 5-passenger 4-door sedan* **3.54:1**
 Optional gear ratios **3.78:1 - 4.11:1**
 Number of teeth—
 In ring gear **39** In pinion **11**
 How is pinion adjusted—*screw or shims*
 How is pinion bearing adjusted—*screw or shims*
 Are pinion bearings carried in sleeve
 Backlash between pinion and ring gear **.002 to .012"**

TIRES and WHEELS

Tires—
 Make **Various**
 Size **6.00 X 16** No. of plies **4**

TIRES and WHEELS (Cont'd)

Inflation pressure—Front **28#** Rear **28#**
 Rim—Diameter **16.00** Width **4.00"**

SPRINGS

FRONT SPRING—

~~Independent~~ ~~conventional~~ suspension
 Type ~~with semi-elliptic, transverse, torsion~~
 Make **Own**
 Material **Chromium Alloy Steel**
 Torsional stabilizer at front **Yes**
 If leaf—
 Length **44"** Width **2**
 Number of leaves—*5-passenger, 4-door sedan* **11**
 Are radius rods used on axle **Yes**
 If coil—
 Free length
 Length under curb weight

REAR SPRING—

~~Independent~~ ~~conventional~~ suspension
 Type ~~with semi-elliptic, transverse, torsion~~
 Make **Own**
 Material **Chromium Alloy Steel**
 Torsional stabilizer of rear **No**
 If leaf—
 Length **48** Width **2 1/4**
 Number of leaves—*5-passenger, 4-door sedan* **12**
 Spring leaves lubricated with **Grease**
 Spring cover, Yes **Sup. Del.** No **Del.**
 Spring shackles—
 Front—Type **Impreg. fabric** Make **Ford**
 Rear—Type " " Make "
 Spring bolts—
 Type **Rubber**
 If coil—
 Free length
 Length under curb weight
 Rate for above **200#** pounds per inch
 Shock absorbers—
 Make **Houdie**
 Type, ~~one-way~~ ~~two way with lever, or direct acting~~
 Front
 Rear
 Fluid capacity (oz.)—front **9300** rear **9300**

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STEERING

Steering gear—
 Type **Worm & Roller Sector**
 Make **Own** Model
 Ratio **18.2:1**
 Lubricant recommended **SAE 90**
 Steering wheel diameter **18**
 Drag link longitudinal or transverse **Transverse**
 Tie rod—one or two **One**
 Is intermediate steering arm used **No**
 Number of turns of steering wheel for full left
 to right swing of wheels **4½**
 Car turning radius—feet—right, left or both **20½'**
 Caster—degrees **7½°** to
 Camber—degrees or **1°** inches to
 Toe-in—**1/16** inches to
 Crosswise inclination of kingpin—degrees **8°**
 Front axle—
 Make **Own** Model
 Section type—**I** beams, tubular or none
 End type—**Rev. Elliott** Elliott or reverse Elliott
 Minimum road clearance—tires inflated **7.12**

BRAKES

Foot brakes—
 Make **Ford**
 Type of mechanism, *hydraulic or mechanical* **Hydraulic**
 If vacuum booster is standard, state make
 Brake lining moulded, semi-moulded or woven—
 Primary shoe **Moulded**
 Secondary shoe
 Drum—
 Material **Cast Iron** Diameter **12.00**
 Lining—
 Length per wheel **23.20**

BRAKES (cont'd)

Width **1-3/4** Thickness **3/16**
 Clearance—*toe* *heel*
 Total foot braking area **162 sq. in.**
 Percent braking power on rear wheels **40%**
 Hand lever operates on—*transmission, separate rear brakes, rear service brakes or all four service brakes* **Rear Service Brakes**
 Hand brake, if separate from service brake—
 Internal or external
 Drum diameter
 Lining—
 Length per drum
 Width Thickness
 Clearance

FRAME and OTHER GENERAL DATA

Frame—
 Depth—*maximum* **5.50"**
 Thickness—*maximum* **.110"**
 Flange width—*maximum* **2.25"**
 Wheelbase **114"**
 Tread—
 Front **58"**
 Rear **60"**
 Weight of standard 5-passenger, four-door sedan—
 Shipping
 Curb
 Price of standard 5-passenger, 4-door sedan
 First serial number, this series
 Serial number location **On Engine**
 Overall length of car—
 With bumpers and bumper guards **198.3/16**
 Overall width of car **73-1/4**
 Overall height, road to roof with no load **69-3/8**

Make of Car. **FORD** Model **69A (V8 100 HP 114" WB) Date 10-7-46**

NOTE—In giving bearing dimensions, kindly use the following order: inside diameter, outside diameter and width. Where cap and cone bearings are used, give both cap and cone numbers.

BEARINGS

Water pump bearing—
 Make or type **Compressed Bronze Bushing**
 Size or number **0.502 X 0.689 X 1.980**

Fan bearing—
 Make or type **Self Oiling Cast Iron**
 Size or number **0.750 I.D. X 2.56 Long**

Starting motor commutator end bearing—
 Make or type **Compressed Bronze Bushing**
 Size or number **11-11052 .625x.750x.56**

Starting motor drive end bearing—
 Make or type **Compressed Bronze Bushing**
 Size or number **B-11135 .625 x .750 x 1.151**

Starting motor outboard bearing—
 Make or type **None**
 Size or number **---**

Generator commutator end bearing—
 Make or type **Compressed Bronze Bushing**
 Size or number **78-10128 .669 x .7975 x .795**

Generator drive end bearing—
 Make or type **Ball Bearing (Federal)**
 Size or number **#203 .6691 x 1.5745 x .4709**

Transmission main drive gear front pilot bearing—
 Make or type **Single Row Annular Shielded**
 Size or number **#203**

Clutch throwout bearing—
 Make or type **Aetna "T" Type Thrust**
 Size or number **---**

Transmission main drive gear rear bearing—
 Make or type **Single Row Annular**
 Size or number **#208**

Transmission main shaft front pilot bearing—
 Make or type **Roller Bearing (Straight)**
 Size or number **0.750 X 1.125 X 1.44**

Transmission main shaft rear bearing—
 Make or type **Single Row Annular** #306
 Size or number **1.181 X 2.8348 X 0.748**

Transmission countershaft front bearing—
 Make or type **Roller (Straight)**
 Size or number **0.750 X 1.125 X 1.44**

Transmission countershaft rear bearing—
 Make or type **Roller (Straight)**
 Size or number **0.750 X 1.125 X 1.70**

Transmission reverse idler bearing—
 Make or type **Bronze Bushing**

BEARINGS (cont'd)

Size or number **0.752 X 0.884 X 1.180**

Overdrive shaft rear bearing—
 Make or type **---**
 Size or number **---**

Overdrive shaft pilot bearing—
 Make or type **---**
 Size or number **---**

Main shaft extension bearing—
 Make or type **---**
 Size or number **---**

Rear axle pinion shaft front bearing—
 Make or type **Taper Roller Bearing**
 Size or number **1.500 X 3.151 X 2.253**

Rear axle pinion shaft rear bearing—
 Make or type **Str. Roller**
 Size or number **1.00 x 2.047 x .59**

Differential right bearing—
 Make or type **Taper Roller Bearing**
 Size or number **1.6875 X 3.270 X 0.940**

Differential left bearing—
 Make or type **Same as Right Bearing**
 Size or number **---**

Rear wheel ~~inner~~ bearing—
 Make or type **Straight Roller Bearing**
 Size or number **2.062 X 2.813 X 1.656**

Rear wheel outer bearing—
 Make or type **---**
 Size or number **---**

Front wheel inner bearing—
 Make or type **Taper Roller Bearing**
 Size or number **1.1895 X 2.500 X 0.8075**

Front wheel outer bearing—
 Make or type **Taper Roller Bearing**
 Size or number **.750 X 1.939 X 0.9062**

Kingpin upper bearing—
 Make or type **Steel Backed Bronze Bushing**
 Size or number **0.8025 X 0.9395 X 1.30**

Kingpin lower bearing—
 Make or type **Same as upper Bushing**
 Size or number **---**

Kingpin thrust bearing—
 Make or type **Taper Roller Thrust Bearing**
 Size or number **0.822 X 1.660 X 0.529**

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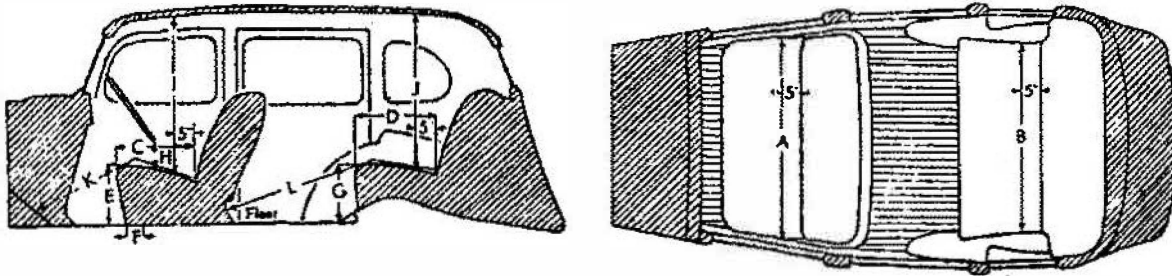
NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed with its additional price.
 (2) Enter on top line your own model name, or series mark corresponding to Standard, DeLuxe or Custom.

EQUIPMENT	Models		
	Standard	DeLuxe	Super DeLuxe
Catalog Designation of Model			
Lacquer make		Own	Own
Body finish, lacquer or synthetic enamel		Synthetic	Synthetic
Fender finish, lacquer or synthetic enamel		"	"
Hardware make		Ford	Ford
Speedometer make		*	*
Gasoline gauge make		Ford	King-Seeley
Thermometer make		"	"
Car lock make		Oakes Prod.	Oakes Prod.
Car lock operates on ignition or ignitions and steering		Coincidental Ign. & Steer.	Coincidental Ign. & Steer.
Clock make mechanical or electrical		Elec.	Elec.
Cigar lighter make		Ford	Casco & Cuno
Safety glass make		Ford	Ford
Safety glass type, laminated or tempered			
In windshield		Laminated	Laminated
In side windows		"	"
In rear window		Tempered	Tempered
Bumper make		General	Spring Bumper Corp.
Bumper guard make		"	" " "
Car heater make Type			
Direction signal make			
Front—yes or no Rear—yes or no			
No. of tail lights included		2	2
No. of visors included		2	2
No. of horns included		2	2
No. of windshield wipers included		2	2
No. of spare tires included			

*Waltham
 (Stewart-Warner
 (King-Seeley

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BODY DIMENSIONS (Five-Passenger, Four-Door Sedan)



INTERIOR

All interior body dimensions taken with front seat in its rear position

Width of front seat cushion, measured 5 inches from back (A)	50.
Width of rear seat cushion, measured 5 inches from back (B)	50.25
Depth of front seat cushion (C)	19.5
Depth of rear seat cushion (D)	18.75
Height of front seat cushion measured 12½ inches from center line of body (E)	13.
Front seat horizontal adjustment, inches (F)	4.25
Front seat vertical adjustment, inches	None
Height of rear cushion measured 12½ inches from center line of body (G)	13.25
Vertical distance steering wheel and seat cushion (H)	5.12
Head room at front seat, measured 5 inches from back (I)	38.
Head room at rear seat, measured 5 inches from back (J)	36.38
Leg room in front seat, measured from 6 inches up on toe board, following contour of seat cushion (K)	42.5
Leg room in rear seat, measured from center of foot rest, following contour of seat cushion (L)	38.0
Trunk capacity, cubic feet	18.5
Width of left front pillar on diagonal with door closed	5.

