

# Automobile Manufacturers Association

## Consolidated Specification Questionnaire

### For 1946 Models

### Mechanical Details

Make of Car FORD Model 69A (V8-100 HP. 114" WB.)  
 Name of Maker FORD MOTOR COMPANY Address Dearborn, Michigan  
 Date 12/7/45

**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 W.I. Head  
 Bore 3.187" Stroke 3.75"  
 Cylinder head, cast iron or aluminum C. I.  
 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  
 Features—split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridges, porous chrome plate, etc. Split Skirt, Oval, Tin Plated  
 Weight—ounces—without rings, pin or bushing 13  
 Length 2.98 (Not including Domes)  
 Clearance—  
 Top land 0.020" to 0.024"  
 Skirt, top 0.003" bottom 0.0017"

#### PISTONS and RINGS (cont'd)

Piston ring groove depth—  
 Oil 0.165" Compression 0.165"  
 No. of oil rings used per piston 2  
 Width of oil rings 0.1547"  
 Width of oil ring gap 0.014"  
 No. of compression rings used per piston 2  
 Width of compression rings 0.0917"  
 Width of compression ring gap 0.014"  
 Maximum wall thickness of oil rings 0.140"  
 Maximum wall thickness of compression rings 0.140"  
 Are ring expanders used, Yes No No. X

#### RODS and PINS

Wristpin— Chrome Al  
 Material C.D. Seamless Steel Tubing Ford "N"  
 Length 2.550" Diameter 0.7502"  
 Locked in rod, piston or floating Floating  
 Clearance in piston \* 0.0004" Loose 0.0002" Tight  
 Clearance in rod \* 0.0005" \* to 0.0001"

#### Connecting rod—

Length—center to center 7.000"  
 Material Drop Forged Steel Ford Type EE  
 Weight—ounces 17.35

#### Crankpin journal—

Diameter 2.14" Length 1.75"

#### Lower bearing—

Material Spec. Alloy - Steel Backed (Silval)  
 Clearance Floating Br'g. to ---  
 End play 0.006 to 0.014  
 Ship—solid, laminated or none None  
 Spun or separate ---

Rods and pistons removed from above or below Above

#### CRANKSHAFT

Material Cast Steel  
 Weight—stripped 68 Lbs.  
 Vibration dampener used—yes or no No  
 Type ---

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

Make of Car **FORD** Model **69A** Date **12/7/45**

**CRANKSHAFT (cont'd)**

Crankshaft counterweights used, number of **6**  
 Which main bearing takes thrust **Rear**  
 Crankshaft end play **0.004"**  
 Main bearing—  
 Type: Cast-in or Slip-in **X**  
 If slip-in: Removable from below **Yes**  
 Necessary to align ream **No**  
 Material **Special Alloy-Steel Backed**  
 Clearance **0.0010 to .0015**  
 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 SAB 55**

**Timing chain—**

Make **---**  
 Number of links **---**  
 Width **---**  
 Pitch **---**

**VALVES**

**INTAKE VALVE—**

Make **Own**  
 Material **Alloy Steel**  
 Overall length **4.757"**  
 Actual overall diameter of head **1.507"**  
 Minimum port diameter **1.340"**  
 Angle of seat **45°**  
 Is valve seat an insert? **Yes**  
 Stem diameter **0.311"**  
 Stem to guide clearance **0.0015" to 0.0035"**  
 Lift **0.292"**  
 Spring pressure and length—  
 Outer—

**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 **Alloy Steel Chrome Nickel Austenitic**  
 Overall length **4.757"**  
 Actual overall diameter of head **1.507"**  
 Minimum port diameter **1.340"**  
 Angle of seat **45°**  
 Is valve seat an insert? **Yes** Material **Cr. Tungsten St.**  
 Stem diameter **0.310"**  
 Stem to guide clearance **0.0025" to 0.0045"**  
 Lift **0.292"**  
 Spring pressure and length—  
 Outer—  
 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. **---**

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 ~~on the flywheel vibration damper~~

**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**

Make of Car **FORD** Model **69A** Date **12/7/45**

**LUBRICATION (cont'd)**

Timing gear or chain lubrication—*positive or splash* **Positive Gear**  
 Oil pump type **Gear**  
 Oil grade recommended—*SAE viscosity and temperature range—*  
**SAE - 30 Above 32°F**  
**SAE - 20 or 20W Above 10°F**  
**10W Above -10°F**  
**10W Plus 10% Kerosene, Lower than -10°F**  
 Normal oil pressure—*lbs. at M.P.H.* **55 @ 60 M.P.H.**  
 Pressure at which relief valve opens **55 to 60 P.S.I.**  
 Capacity of oil reservoir—*quarts, dry* **5.5** *refill* **5**  
 Oil pressure gauge make **King Seeley**  
 Oil reservoir level gauge type **Dip Stick**  
 Floating type oil intake—*yes or no* **No**  
 External oil filter make **Fran & King Seeley**  
 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 **AC** Model **59A-9350**  
 Carburetor—  
 Make **Ford** Model **59A-9510A**  
 Number used **One**  
 Size **1.00" inch**  
 Type—**Downdraft**  
*Up or down draft* **Single or dual** **Dual**  
 Intake manifold heat control—*manual, automatic or none* **Automatic**  
 Automatic chokes, make **None** Model   
 Air cleaner—*intake silencer make* **Wayne & Oakes Prod.**  
 Type—*dry felt; oil bath; oil coated fibre* **Oil Bath**  
 Heavy Duty type—*Make* **United Spas 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* **No**  
 By-pass for recirculation—*yes or no* **No**  
 Radiator core—  
 Type **Tube & Fin.**  
 Make **Modine, Ford, McCord**

**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 **8"**  
 Upper radiator hose—**2 Req'd. Moulded Curves**  
 Inside diameter **1.75"** Length **25"**  
 Fan belt—**2 req'd.**  
 Make **Firestone - Dayton**  
 Angle of vee **30° - 38°**  
 Length, outside **53.45" - 37.25"** with maximum **625 - 690"**  
 Fan—  
 Make **Schwitzer-Dumaine** No. of blades **4**

**IGNITION**

Ignition units—  
 Make **Ford** Model **59A**  
 Manual or octane selector, *degrees advance* **10° retard 10°**  
 Maximum centrifugal advance crankshaft, *degrees* **26°**  
 Maximum centrifugal advance crankshaft, *degrees* **26°**  
 Maximum centrifugal advance crankshaft, *degrees* **26°**  
 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 function **20-24°** or   
 Cam angle **35 - 38°** deg.  
 Timing—*Breaker points open* **A°** *degrees crankshaft rotation*  
 or **0** *inches piston travel before top center*  
 with octane selector in the **0** position  
 Timing mark location—*flywheel, vibration damper or hub* **None**  
 Firing order **1-5-4-3-6-2-7**  
 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.** **14mm**  
 Make **Champion** Model **H-10**  
 Gap **.028 - .030**  
 Ignition cable make **Essex Wire**

**BATTERY**

Make  Model   
 Capacity—*ampere hours* **120** @ **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**

Make of Car **FORD** Model **69A (V8-100H.P. 114"WB)** Date **12-7-45**

**STARTING MOTOR**

Make **Ford** Model  
 Normal engine cranking speed **100 RPM**  
 Brush spring tension **27 Oz.**  
 Lock test—  
 Amperage draw **560 amps.**  
 Volts **3.25**  
 Torque in pounds feet **15**  
 No load test—  
 Amperage draw **60 - 45 Amps.**  
 Volts **5.8** R.P.M. **5000-8000**  
 Type of drive **Bendix or sliding gear with overrunning clutch**  
 Starting device **Solenoid, manual, etc. 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 **12**  
 Face width of flywheel teeth **3/8"**  
 Gear ratio between starter armature and flywheel **11.2:1**

**GENERATOR**

Make **Ford** Model  
 Type **new brush, shunt, etc.**  
 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.**  
 Amperes **30-35**  
 Voltage **6.9 - 7.2**  
 R.P.M. **1800**  
 Cutout relay—  
 Voltage at closing **6.5**  
 Amperes to open, reverse current **5**  
 Air gap **=**  
 Voltage regulator—  
 Volts **6.9 - 7.2**  
 Temperature **70° F.**  
 Air gap **=**  
 Current regulator—  
 Amperes **30**  
 Temperature **70° F.**  
 Air gap **=**  
 Car speed for maximum charging rate **22 MPH**  
 Ammeter or charge indicator make **Ford**

**LAMPS**

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

**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, rubber resin bonded* **moulded asbestos**  
 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 **=** In second **1.77:1**  
 In third **1:1** In fourth  
 In low **3.11:1** In reverse **4.00:1**

Make of Car. **FORD** Model **89A (V8-100 HP 114"WB)** Date **12-7-45**

**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 90** Winter **SAE 80**  
 Universal joints—  
     Make **Own**  
     Number used **1**  
     Type—~~metal with anti-friction~~  
         **bearing or 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, full or 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 or hypoid~~  
 Gear ratio—standard 5-passenger 4-door sedan **3.64:1**  
     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 **6.00X16** 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 or conventional suspension~~  
 Type—~~coil, semi-elliptic, transverse, torsion~~  
 Make **Own**  
 Material **Chromium alloy steel Ford type "D"**  
 Torsional stabilizer at front **Yes**  
 If leaf—  
     Length **45"** 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 or conventional suspension~~  
 Type—~~coil, semi-elliptic, transverse, torsion~~  
 Make **Own**  
 Material **Chromium Alloy Steel Ford Type "D"**  
 Torsional stabilizer at 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 **Houdé**  
     Type, ~~one way with lever, two way with lever, or direct action~~  
         Front .....  
         Rear .....  
     Fluid capacity (oz.)—front **9500** rear **9500**

Make of Car. FORD Model 69A (V8-100HP-114"WB) Date 12-7-45

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 **4 1/2**  
 Car turning radius—feet—right, left or both **20 1/2**  
 Caster—degrees **7 1/2** to  
 Camber—degrees or 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** **I**  
 End type—**Elliott or Reverse Elliott, Rex Elliott**  
 Minimum road clearance—**tires inflated** **7.12**

BRAKES (cont'd)

Width **1 3/4** Thickness **3/16**  
 Clearance—**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 **68"**  
 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**

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 **Alloy Cast Iron** Diameter **12.00**  
 Lining—  
 Length per wheel **24.00**

Make of Car..... **FORD** ..... Model..... **69A(V8100HP 114"WB)** ..... 12/7/45

NOTE—In giving bearing dimensions, kindly use the following order: inside diameter, outside diameter and width. Where cup and cone bearings are used, give both cup 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 .625x.750x1.151**

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 .689x.7975x.796**

Generator drive end bearing—  
 Make or type **Ball Bearing (Federal)**  
 Size or number **#203 .6891x1.5745x.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 **Actna "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 **L-500 X 3.151 X 2.253**

Rear axle pinion shaft rear bearing—  
 Make or type **Taper Roller Bearing Str. Roller**  
 Size or number **1.000 X 2.000 X 1.000**

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 0.8975**

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**

Make of Car **FORD** Model **69A (V6-100HP 114"WB)** Date **12-7-45**

- 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.

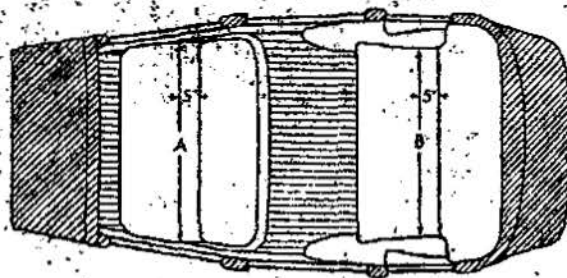
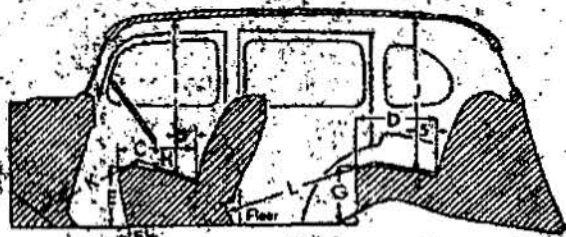
EQUIPMENT	Models		
	Standard	DeLuxe	Custom Super DeLuxe
Catalog Designation of Model			
Lacquer make		Own	Own
Body finish, lacquer or synthetic enamel		Synthetic	Synthetic
Fender finish, lacquer or synthetic enamel		"	"
Hardware make		Ford	Ford
Speedometer make		*	*
Gasoline gauge make		Ford	King-Seeley
Thermometer make		"	"
Car lock make		Oakes Prod.	Oakes Prod.
Car lock operates on ignition or ignition and steering		Coincidental	Coincidental
Clock make		Ign. & Steer.	Ign. & Steer.
Cigar lighter make		Elec.	Elec.
Safety glass make		Ford	Casco & Cuno
Safety glass type, laminated or tempered		Ford	Ford
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			R.B.M. M/S
Front—yes or no <b>Yes</b> Rear—yes or no <b>Yes</b>			
No. of tail lights included			
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



Make of Car **FORD** Model **89A (V8-100 HP 114"WB)** Date **12-7-45**

**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 1 1/2 inches from center line of body (E)	15.
Front seat horizontal adjustment, inches (F)	4.25
Front seat vertical adjustment, inches	None
Height of rear cushion measured 1 1/2 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)	53.0
Trunk capacity, cubic feet	18.5
Width of left front pillar on diagonal with door closed	5.

BODY DETAIL AND EQUIPMENT FORMS

DIRECTIONS

Only standard equipment included in the Factory Delivered price shown in column 3 should be listed on this sheet. Please arrange body types in an ascending price scale with the lowest priced type at the top and the highest priced type at the bottom.

IMPORTANT—To save your time, where an item is common to several types, use arrows to indicate the fact as shown in diagrams.

Standard abbreviations may be used where space limitations make this necessary. Where sub-headings such as those shown in column for Body Make are identified with numerals, these numerals may be used in filling in form.

Make	Body Model	Body Make
Crescent 6-60	Roadster	Fisher
	Phantom	
	Two-door sedan	
	Four-door sedan	
	Coupe	Murray
	Coupe with rumble seat	
	Cabriolet	
Crescent 8-60	Roadster	Fisher
	Phantom	
	Two-door sedan	
	Four-door sedan	Dodd
	Coupe	
	Coupe with rumble seat	
	Cabriolet	
	Limousine	Fleetwood
	Landaulet	LeBaron

MAKE AND MODEL	BODY TYPE List Types on Ascending Price Scale Beginning with the Lowest Price	Factory Delivered Price Including Federal Tax and Handling Charge	Number of Pass- engers	Wheel- base	Shipping Weight	Seating Arrang- ement Number See Below	Body Make
Deluxe Super Deluxe	Business Coupe "		2	114"		1	Murray
Deluxe Super Deluxe	Tudor Sedan "		5	114"	3190 3190	3	Ford
Deluxe S. Deluxe	Four-door Sedan "		5	114"	3240 3240	4	Ford
Deluxe S. Deluxe	Club Coupe "		5	114"		3	Murray
Deluxe S. Deluxe	Conv. Coupe "		5	114"		3	Murray
Deluxe S. Deluxe	Station Wagon "		7	114"			Ford
Deluxe S. Deluxe	Sportsman Coupe "		5	114"		3	Ford

SEATING ARRANGEMENT NUMBERS

- Two-door car with no rear seat.
- Two-door car with rumble seat.
- Two-door car with conventional rear cushion.
- Four-door car with cushions front and rear.
- Four-door car with cushions front and rear plus two auxiliary seats folding into front seat back.
- Two-door car with two opera seats folding into sides of body.
- Two-door car with two opera seats folding into rear of body.
- Two-door car with one opera seat folding into rear of body and other seat stationary.
- Two-door car with rear stationary seat for one passenger.