

# Automobile Manufacturers Association

## Consolidated Specification Questionnaire

### For 1948 Models

### Mechanical Details

Make of Car..... PONTIAC..... Model ..... 1948-25 Torpedo "6".....  
 Name of Maker..... Pontiac Motor Division..... Address ..... 196 Oakland Ave., Pontiac 11, Mich.  
 Date. September 29th, 1947

**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 ..... 6.....  
 Valve arrangement ..... "I" Head.....  
 Bore ..... 3-9/16..... Stroke ..... 4".....  
 Cylinder head, cast iron or aluminum ..... Cast Iron.....  
 Cylinder sleeve, Yes..... No. X.....  
 Piston displacement ..... 239.2.....  
 Taxable horsepower ..... 30.4.....

#### Horsepower rating—

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 76.....)

#### —With Bare Engine—

Maximum brake hp. 93-1/2..... at 3400..... R.P.M.

#### —With Standard Accessories—\*

Maximum brake hp. 87-1/2..... at 3200..... 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. 186..... at 1400..... R.P.M.

With standard accessories,\* lb. ft. 186..... at 1100..... R.P.M.

#### Compression Ratio—

Standard ..... 6.5..... Optional..... 7.5.....

#### Standard compression pressure —pounds—

At cranking speed ..... 160.....

At what R.P.M. .... 1000.....

#### PISTONS and RINGS

##### Piston

Make ..... Own.....

Material ..... Chrome Nickel Alloy.....

Features—split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, porous chrome plate, etc...... Electroplated.....

Weight—ounces—without rings, pin or bushing. 27.1.....

Length ..... 3-19/32.....

##### Clearance—

Top Land ..... .0175..... to ..... .0295.....

Skirt, top ..... bottom.....

Fit to give 10-20 pounds pull on

1/2 x .0015 feeler

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

Piston ring groove depth—  
 Oil ..... .1942..... Compression ..... .1922.....  
 No. of oil rings used per piston ..... 1.....  
 Width of oil rings ..... 3/16.....  
 Width of oil ring gap ..... .006 - .013.....  
 No. of compression rings used per piston ..... 2.....  
 Width of compression rings ..... 3/32.....  
 Width of compression ring gap ..... .006 - .013.....  
 Maximum wall thickness of oil rings ..... .158.....  
 Maximum wall thickness of compression rings ..... .175.....  
 Ara ring expanders used, Yes..... No. X.....

#### RODS and PINS

##### Wristpin—

Material ..... SAE 1117 (Fine Grain).....

Length ..... 3-1/16..... Diameter ..... 15/16.....

Locked in rod, piston or floating ..... Piston.....

Clearance in piston ..... Press Fit..... to .....

Clearance in rod ..... .0004..... to ..... .0006.....

##### Connecting rod—

Length—center to center ..... 7-9/16.....

Material ..... SAE #1035.....

Weight—ounces ..... 37.....

##### Crankpin journal—

Diameter ..... 2-1/8..... Length ..... 1-9/32.....

##### Lower bearing—

Material ..... Babbitt.....

Clearance ..... .0001..... to ..... .0021.....

End play ..... .007..... to ..... .012.....

Ship—solid, laminated or none ..... None.....

Spun or separate ..... Separate.....

Rods and pistons removed from above or below ..... Above.....

#### CRANKSHAFT

Material ..... GM-1045.....

Weight—stripped ..... 86.5.....

Vibration dampener used—yes or no ..... Yes.....

Type ..... Harmonic.....

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**CRANKSHAFT (cont'd)**

Crankshaft counterweights used, number of 9  
 Which main bearing takes thrust Rear Center # 3  
 Crankshaft end play .003 .007  
 Main bearing—  
 Type: Cast-in or Slip-in X  
 If slip-in: Removable from below Yes  
 Necessary to align ream No  
 Material Habbitt  
 Clearance .0003 .0023  
 Shim—solid, laminated or none  
 Main bearing journal diameter x length—  
 No. 1 2 1/2 x 1 1/4  
 No. 2 2-17/32 x 1-3/16  
 No. 3 2-19/32 x 1-1/8  
 No. 4 2-5/8 x 1-9/16  
 No. 5  
 No. 6  
 No. 7  
 No. 8  
 No. 9  
 Crankshaft gear or sprocket—  
 Make Own  
 Material Case hardened steel

**CAMSHAFT**

Camshaft gear or sprocket—  
 Make Own  
 Material Alloy Iron Cyanide Hardened  
 Timing chain—  
 Make Morse  
 Number of links 56  
 Width 1  
 Pitch 3/8

**VALVES**

**INTAKE VALVE—**

Make Optional  
 Material Optional  
 Overall length 5-23/32  
 Actual overall diameter of head 1-19/32  
 Minimum port diameter 1-3/8  
 Angle of seat 30°  
 Is valve seat an insert? No. Taper Guide  
 Stem diameter 5/16  
 Stem to guide clearance Free to .0006  
 Lift 19/64  
 Spring pressure and length—  
 Outer—

**VALVES (cont'd)**

With valve closed—lb. 59 1/2 ins. 1-29/32  
 With valve open—lb. 101 ins. 1-19/32  
 Length out of engine—ins.  
 Inner—  
 With valve closed—lb. ins.  
 With valve open—lb. ins.  
 Length out of engine—ins.

**EXHAUST VALVE—**

Make Optional  
 Material Optional  
 Overall length 5-23/32  
 Actual overall diameter of head 1-15/32  
 Minimum port diameter 1-5/16  
 Angle of seat 45°  
 Is valve seat an insert? No Material Taper Guide  
 Stem diameter 5/16  
 Stem to guide clearance Free to .0006  
 Lift 19/64  
 Spring pressure and length—  
 Outer—  
 With valve closed—lb. 59 1/2 ins. 1-29/32  
 With valve open—lb. 101 ins. 1-19/32  
 Length out of engine—ins.  
 Inner—  
 With valve closed—lb. ins.  
 With valve open—lb. ins.  
 Length out of engine—ins.

Operating tappet clearance (hot or cold)—intake .011 in. .013  
 Tappet clearance for valve timing—intake Same  
 Operating tappet clearance (hot or cold)—exhaust .011 in. .013  
 Tappet clearance for valve timing—exhaust Same  
 Hydraulic valve lifters—yes or no No

**Valve timing—**

Intake opens 5 degrees BUDC piston travel inches  
 Intake closes 37 " ALDC " " inches  
 Exhaust opens 45 " BLDC " " inches  
 Exhaust closes 5 " AUDC " " inches

Valve Timing Marks—on Flywheel, Vibration Damper, None  
 Crankshaft & Camshaft Sprockets

**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 Yes  
 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*—  
     LOW -10° +95°  
     20W or 10 +10° +110°  
     20W or 20 +32° +110°  
 Normal oil pressure—*lbs. at M.P.H.* 35-40 @ 40 M.P.H.  
 Pressure at which relief valve opens  
 Capacity of oil reservoir—*quarts, dry* 6 Qts. refill 5 Qts.  
 Oil pressure gauge make A.C.  
 Oil reservoir level gauge type blade  
 Floating type oil intake—*yes or no* no  
 External oil filter make no  
 Other type of oil cleaner Internal precipitation type  
 Oil cooler make none  
 Chassis lubrication—*Make* Pressure Gun

**FUEL**

Gasoline tank—*capacity* 17 Gal.  
 Fuel feed—  
     Type—*vacuum tank, electric pump, gravity vacuum pump or camshaft pump* Mechanical pump  
     Make AC Model  
 Carburetor—  
     Make Carter Model WAI 537-S  
     Number used One  
     Size 1 1/2  
     Type—  
         Up or down draft down Single or dual single  
 Intake manifold heat control—*manual, automatic or none* automatic  
 Automatic choke, make Carter Model  
 Air cleaner—*intake silencer make* AC  
     Type—*dry felt; oil bath; oil coated fibre* Oil coated fibre  
     Heavy Duty type—*Make* AC Model  
 Muffler make Optional—*Straight through type*  
 Tail pipe diameter 1-3/4

**COOLING**

Water pump—  
     Type Centrifugal  
     Drive Belt  
     Is pump equipped with packing nut No  
 Water circulation thermostat make Harrison  
 Pressure relief valve—*yes or no* Yes  
 By-pass for recirculation—*yes or no* Yes  
 Radiator core—  
     Type Cellular  
     Make Harrison

**COOLING (cont'd)**

Cooling system—*capacity, quarts* 18  
 Water jackets full length of cylinders—*yes or no* Yes  
 Water all around cylinder—*yes or no* Yes  
 Lower radiator hose—  
     Inside diameter 1 1/2" Length 16-1/8"  
 Upper radiator hose—  
     Inside diameter 1-3/4" Length 13-1/2"  
 Fan belt—  
     Make Optional  
     Angle of vee 28°  
     Length, inside 45-5/16" Width, maximum 3/4"  
 Fan—  
     Make Own No. of Blades 4

**IGNITION**

Ignition units—  
     Make Delco Remy Model 647-D  
     Manual or octane selector, *degrees advance* 10 *retard* 10  
     Maximum centrifugal advance crankshaft, *degrees* 28 1/2  
         at 40 M.P.H. engine R.P.M.  
     Inches of Mercury Necessary to operate Vacuum Advance (Plus or minus 1 inch) 7-9  
     Maximum Vacuum advance crankshaft, *degrees* 28 1/2  
     Breaker gap .020 Breaker arm tension 17-21 oz.  
     Cam angle 37 deg.  
 Timing—*Breaker points open* 2-6 degrees crankshaft rotation or inches piston travel (after or before) top center with octane selector in the 0 position.  
 Timing mark location—*flywheel, vibration dampener or none* Flywheel  
 Firing order 153624  
 Amperage draw of ignition coil—  
     With engine stopped  
     With engine idling  
 Spark plug—  
     Thread—*10 m.m., 14 m.m. or 18 m.m.* 14  
     Make AC Model 45  
     Gap 023-028  
 Ignition cable make Packard

**BATTERY**

Make Delco Model 15 E 2-W  
 Capacity—*ampere hours* 100 @ 20 hour rate  
 Number of plates per cell 15  
 Bench charging rate—  
     Start 7 Finish 7  
 Which battery terminal is grounded negative  
 Location of battery Under hood

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**STARTING MOTOR**

Make Delco Remy.....Model.....1107032.....  
 Normal engine cranking speed...43 RPM at 0° 10 W oil.  
 Brush spring tension.....24-28 OZ.  
 Lock test—  
 Amperage draw.....525.....  
 Volts.....3.37.....  
 Torque in pounds feet.....12.....  
 No load test—  
 Amperage draw.....65.....  
 Volts.....5.....R.P.M.....5000.....  
 Type of drive—Bendix or sliding gear with overrunning clutch. Bendix  
 Starting device—Solenoid, manual, etc.....Manual.....  
 Starter operation—check items required to start engine  
 1. Turn on ignition.....X.....  
 2. Depress starter pedal.....X.....  
 3. Depress accelerator pedal.....  
 4. Depress clutch pedal.....  
 5. Operate button on dash.....  
 6. Pull out throttle.....  
 Starting motor pinion meshes front or rear.....Rear.....  
 n. of teeth in flywheel.....140.....  
 Face width of flywheel teeth.....1/2".....  
 Gear ratio between starter armature and flywheel.....15.55-1.....

**GENERATOR**

Make Delco Remy.....Model.....1102665.....  
 Type—third brush, shunt, etc.....Shunt.....  
 Brush spring tension.....22-26 OZ.  
 Current regulator, voltage regulator or current and  
 voltage control unit.....Current & voltage.....  
 Maximum controlled charging rate  
 Temperature.....Hot.....  
 Amperes.....32-34.....  
 Voltage.....7.2-7.4.....  
 R.P.M.....1140 (25 & 27)  
 Cutout relay—  
 Voltage at closing.....6.2 - 6.7.....  
 Amperes to open, reverse current.....0-4.....  
 Air gap......020.....  
 Voltage regulator—  
 Volts.....7.2 - 7.4.....  
 Temperature.....Hot.....  
 Air gap......070 - .075.....  
 Current regulator—  
 Amperes.....32-34.....  
 Temperature.....Hot.....  
 Air gap......080 - .085.....  
 Car speed for maximum charging rate.....25.....  
 Ammeter or charge indicator make.....A.C.....

**LAMPS**

Lighting switch make...Delco Remy.....  
 Are tail and dash lights in series...No.....  
 Headlights—  
 Make.....Guide.....  
 Location—in fender, in catwalk, or radiator shell in fender.....  
 Parking or fender light make.....Guide.....  
 Tail and stop light make.....Guide.....  
 Horn—  
 Type—vibrator or motor. Vibrator...No. used.....2.....  
 Make...Delco Remy.....  
 Amperage draw of each.....18-21.....

**CLUTCH**

Make.....Inland.....  
 Drive type—  
 Direct to flywheel face.....Yes.....  
 Through fluid flywheel.....  
 Semi-centrifugal.....  
 Power operated unit—make.....  
 Vibration insulation or neutralizer—fabric,  
 rubber blocks or springs.....Springs.....  
 No. of clutch driving discs.....None.....  
 No. of clutch driven discs.....One.....  
 Clutch facing—  
 Material—woven or moulded asbestos, cork. woven.....  
 Inside diameter.....6.....  
 Outside diameter.....9 1/2.....  
 Thickness.....1/8.....  
 No. required.....2.....

**TRANSMISSION**

Transmission—  
 Make.....OWN.....Model.....  
 No. of forward speeds.....3.....  
 Manual shift—yes, no.....Yes.....  
 Automatic or auxiliary shifting mechanism—yes. X.....no Special Equipment  
 If yes, Make.....Hydramatic.....  
 Type—centrifugal, vacuum, electric or hydraulic. Hydraulic  
 Automatic overdrive—  
 Make.....  
 Oil capacity—pints.....  
 Oil grade recommended—S.A.E. viscosity  
 Summer.....Winter.....  
 Gear ratio in high—standard 5-passenger  
 4-door sedan.....4.1.....  
 Transmission ratio—  
 In overdrive.....In second 1.66.....  
 In third...Direct.....In fourth.....  
 In low 2.67.....In reverse 3.02.....

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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 .....  
 Transmission oil—  
     Capacity—pints ..... 1-3/4.....  
     Grade recommended—S.A.E. viscosity  
         Summer EP 80 or 90 ..... Winter EP 80 or 90.....  
 Universal joints—  
     Make ..... Mechanics.....  
     Number used ..... 2.....  
     Type—metal with anti-friction X  
         bearing or metal with plain bearing .....  
     Lubricated with Semi fluid viscous chassis.....  
 Drive taken through springs, torque arm, torque tube or  
     radius rods ..... Springs..... lubricant  
 Torque taken through springs, torque arm, torque  
     tube or radius rods ..... Springs.....

**REAR AXLE**

Rear axle—  
     Make ..... Own..... Model .....  
     Type—Semi, full or three-quarter floating. Semi floating  
 Minimum road clearance under center of rear  
     axle—tires inflated ..... 8-1/8.....  
 Rear axle oil—  
     Capacity—pints ..... 3-1/4.....  
     Grade and type recommended—S.A.E. viscosity  
         All year 90 Pass. Bar duty Hypoid  
         Summer Winter  
     Type of gearing—spiral bevel, worm, hypoid. Hypoid.....  
     Gear ratio—standard 5-passenger 4-door sedan ..... 4.1.....  
     Optional gear ratios ..... 3.9, 4.55 & Hydramatic.....  
         Drive 3.63  
     Number of teeth—  
         In ring gear ..... 41..... In pinion ..... 10.....  
     How is pinion adjusted—screw or shims ..... Shims.....  
     How is pinion bearing adjusted—screw or shims ..... None.....  
     Are pinion bearings carried in sleeve ..... Yes.....  
     Backlash between pinion and ring gear ..... .003 to .012.....

**TIRES and WHEELS**

Tires—  
     Make ..... Optional.....  
     Size ..... 16 x 6:00..... No. of plies ..... 4.....

**TIRES and WHEELS (Cont'd)**

Inflation pressure—Front ..... 28 Cold ..... Rear ..... 28 Cold .....  
 Rim—Diameter ..... 16..... Width ..... 5".....

**SPRINGS**

**FRONT SPRING—**

Independent or conventional suspension ..... Independent.....  
 Type—coil, semi-elliptic, transverse, torsion ..... Coil.....  
 Make ..... Own.....  
 Material ..... G.M. 9260 M.....  
 Torsional stabilizer at front ..... Yes.....  
 If leaf—  
     Length ..... Width .....  
     Number of leaves—5-passenger, 4-door sedan .....  
     Are radius rods used on axle .....  
 If coil—  
     Free length .....  
     Length under curb weight .....

**REAR SPRING—**

Independent or conventional suspension ..... Conventional.....  
 Type—coil, semi-elliptic, transverse, torsion ..... Semi-elliptic.....  
 Make ..... Own.....  
 Material ..... G.M. 9255.....  
 Torsional stabilizer at rear ..... No.....  
 If leaf—  
     Length ..... 52..... Width ..... 2.....  
     Number of leaves—5-passenger, 4-door sedan ..... 8.....  
 Spring leaves lubricated with ..... Chassis lubricant.....  
 Spring cover, Yes ..... Yes..... No .....  
 Spring shackles—  
     Front—Type ..... Make.....  
     Rear—Type ..... Threaded..... Make.....  
 Spring bolts—  
     Type ..... Threaded.....  
 If coil—  
     Free length .....  
     Length under curb weight .....  
     Rate for above ..... pounds per inch  
 Shock absorbers—  
     Make ..... Delco Lovejoy.....  
     Type, one way with lever, two way with lever, or direct acting  
         Front ..... 2 way.....  
         Rear ..... Direct acting.....  
     Fluid capacity (oz.)—front ..... rear ..... 6-3/4 oz.....

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**STEERING**

Steering gear—  
 Type .....Worm & Roller  
 Make .....Saginaw.....Model.....  
 Ratio .....19:1  
 Lubricant recommended .....All season steering gear  
 Steering wheel diameter .....18  
 Drag link longitudinal or transverse .....Transverse  
 Tie rod—one or two .....2  
 Is intermediate steering arm used .....Yes  
 Number of turns of steering wheel for full left  
 to right swing of wheels .....  
 Car turning radius—feet—right, left or both .....19'4"  
 Caster—degrees .....-1/2.....to.....1  
 Camber—degrees or 0° .....inches.....to.....10  
 Toe-in—inches .....0.....to.....1/16  
 Crosswise inclination of kingpin—degrees .....5°  
 Front axle—  
 Make .....Model.....  
 Section type—I-beams, tubular or none.....  
 End type—Elliott or reverse Elliott.....  
 Minimum road clearance—tires inflated .....8-11/16

**BRAKES**

Foot brakes—  
 Make .....Bendix Duo-servo.....  
 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 .....Moulded.....  
 Drum—  
 Material Steel & Cast Iron.....Diameter .....11"  
 Lining—  
 Length per wheel .....21-5/16

**BRAKES (cont'd)**

Width F. = 2" R. = 3/4" Thickness .....3/16  
 Clearance—see brake chart best .....  
 Total foot braking area .....159 Sq. In.  
 Percent braking power on rear wheels .....44  
 Hand lever operates on—transmission, separate rear brakes, rear service brakes or all four service brakes .....rear service  
 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 .....6-1/8  
 Thickness—maximum .....7/64  
 Flange width—maximum .....2-1/2  
 Wheelbase .....119"  
 Tread—  
 Front .....58  
 Rear .....61-1/2  
 Weight of standard 5-passenger, four-door sedan—  
 Shipping .....3350 Estimated  
 Curb .....3490 Estimated  
 Price of standard 5-passenger, 4-door sedan .....  
 First serial number, this series .....P6MA-1001  
 Serial number location .....Left front side dash  
 Overall length of car—  
 With bumpers and bumper guards .....204-1/2  
 Overall width of car .....75-3/4  
 Overall height, road to roof with no load .....66

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**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 .....New Departure.....  
 Size or number .....954210.....

Fan bearing—  
 Make or type .....  
 Size or number .....

Starting motor commutator end bearing—  
 Make or type .....Plain.....  
 Size or number .....I.D. 9/16 Length 15/16.....

Starting motor drive end bearing—  
 Make or type .....  
 Size or number .....

Starting motor outboard bearing—  
 Make or type .....Bronze Bushing.....  
 Size or number .....1/2 x 9/16 x 25/32.....

Generator commutator end bearing—  
 Make or type .....Bronze Bushing.....  
 Size or number .....9/16 x 25/32 x 53/64.....

Generator drive end bearing—  
 Make or type .....New Departure.....  
 Size or number .....903203.....

Transmission main drive gear front pilot bearing—  
 Make or type .....New Departure.....  
 Size or number .....907109.....

Clutch throwout bearing—  
 Make or type .....New Departure.....  
 Size or number .....2140122.....

Transmission main drive gear rear bearing—  
 Make or type .....New Departure.....  
 Size or number .....954144.....

Transmission main shaft front pilot bearing—  
 Make or type .....Rollers.....  
 Size or number .....14-7/32 x 17/32.....

Transmission main shaft rear bearing—  
 Make or type .....New Departure.....  
 Size or number .....907506.....

Transmission countershaft front bearing—  
 Make or type .....Rollers.....  
 Size or number .....25-1/8 x 13/16.....

Transmission countershaft rear bearing—  
 Make or type .....Rollers.....  
 Size or number .....25-1/8 x 13/16.....

Transmission reverse idler bearing—  
 Make or type .....Plain Bronze Bushing.....

**BEARINGS (cont'd)**

Size or number .....55/64 x 63/64 x 3/4.....

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 .....New Departure.....  
 Size or number .....905306.....

Rear axle pinion shaft rear bearing—  
 Make or type .....Hyatt.....  
 Size or number .....107391.....

Differential right bearing—  
 Make or type .....Hyatt Taper Roller.....  
 Size or number .....179243.....

Differential left bearing—  
 Make or type .....Same.....  
 Size or number .....

Rear wheel inner bearing—  
 Make or type .....  
 Size or number .....

Rear wheel outer bearing—  
 Make or type .....New Departure.....  
 Size or number .....954172.....

Front wheel inner bearing—  
 Make or type .....New Departure.....  
 Size or number .....909052.....

Front wheel outer bearing—  
 Make or type .....New Departure.....  
 Size or number .....909001.....

Kingpin upper bearing—  
 Make or type .....Bronze Bushing.....  
 Size or number .....55/64 x 1-1/16 x 1-15/64.....

Kingpin lower bearing—  
 Make or type .....Same.....  
 Size or number .....

Kingpin thrust bearing—  
 Make or type .....Ball.....  
 Size or number .....230679.....

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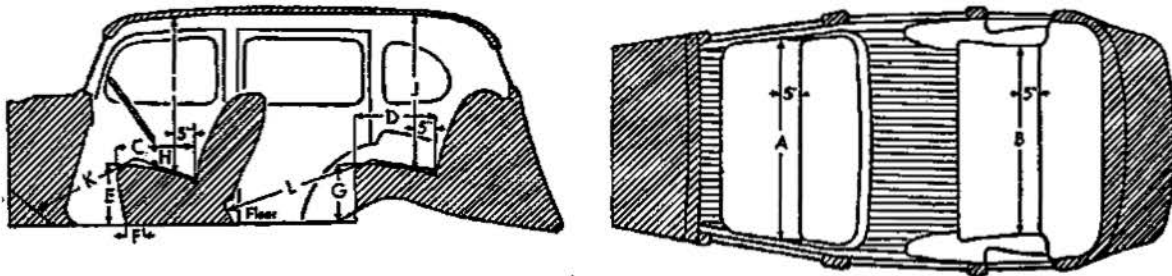
NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed with its additional price.  
 (2) Enter on top line your own model name, or series mark corresponding to Standard, DeLuxe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

EQUIPMENT	Models		
	Standard	DeLuxe	Custom
Catalog Designation of Model .....	Torpedo.....	Do.....	.....
Lacquer make .....	Duco.....	Do.....	.....
Body finish, lacquer or synthetic enamel.....	Lacquer.....	Do.....	.....
Fender finish, lacquer or synthetic enamel.....	Lacquer.....	Do.....	.....
Hardware make .....	Ternstedt.....	Do.....	.....
Speedometer make .....	AC.....	Do.....	.....
Gasoline gauge make .....	AC.....	Do.....	.....
Thermometer make .....	AC.....	Do.....	.....
Car lock make .....	Rochester.....	Do.....	.....
Car lock operates on ignition or ignition and steering.....	Ignition.....	Do.....	.....
Clock make <i>Jaguar</i> ..... <i>mechanical or electrical</i> ..... <i>electrical</i> No.....	Yes.....	Do.....	.....
Cigar lighter make ..... <i>Casco</i> .....	Yes.....	Do.....	.....
Safety glass make .....	LOF Plate.....	Do.....	.....
Safety glass type, laminated or tempered.....	Laminated.....	Do.....	.....
In windshield .....	Yes.....	Do.....	.....
In side windows .....	Yes.....	Do.....	.....
In rear window .....	Tempered.....	Do.....	.....
Bumper make .....	General Spring & Bumper Co.....	.....	.....
Bumper guard make .....	Brown, Lipe, Chapin, Div.....	.....	.....
Car heater make ..... <i>Own</i> ..... <i>Type</i> <i>Underseat</i> .....	.....	.....	.....
Direction signal make ..... <i>Guidelamp</i> .....	.....	.....	.....
Front-yes <del>or no</del> ..... Rear-yes <del>or no</del> .....	.....	.....	.....
No. of tail lights included .....	2.....	Do.....	.....
No. of visors included .....	2.....	Do.....	.....
No. of horns included .....	2.....	Do.....	.....
No. of windshield wipers included .....	2.....	Do.....	.....
No. of spare tires included .....	1.....	Do.....	.....
Chrome Moulding on Front Fenders	.....	Yes	.....
DeLuxe Steering Wheel	.....	Yes	.....
Stainless Steel Gravel Guards	.....	Yes	.....
Chrome Plated Wheel Discs	.....	Yes	.....



Make of Car..... PONTIAC ..... Model 1948-25 ..... Date 1947 .....

**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) .....	57 $\frac{1}{2}$
Width of rear seat cushion, measured 5 inches from back (B) .....	49
Depth of front seat cushion (C) .....	18 $\frac{1}{2}$
Depth of rear seat cushion (D) .....	18 $\frac{1}{2}$
Height of front seat cushion measured 12 $\frac{1}{2}$ inches from center line of body (E) .....	14 $\frac{1}{2}$
Front seat horizontal adjustment, inches (F) .....	4 $\frac{1}{2}$
Front seat vertical adjustment, inches .....	3/4
Height of rear cushion measured 12 $\frac{1}{2}$ inches from center line of body (G) .....	13 $\frac{1}{2}$
Vertical distance steering wheel and seat cushion (H) .....	6-3/8
Head room at front seat, measured 5 inches from back (I) .....	36-3/4
Head room at rear seat, measured 5 inches from back (J) .....	36-3/4
Leg room in front seat, measured from 6 inches up on toe board, following contour of seat cushion (K) .....	42 $\frac{1}{2}$
Leg room in rear seat, measured from center of foot rest, following contour of seat cushion (L) .....	41 $\frac{1}{2}$
Trunk capacity, cubic feet .....	17 $\frac{1}{2}$
Width of left front pillar on diagonal with door closed .....	4-19/32

