Automobile Manufacturers Association

Consolidated Specification Questionnaire

For 1941 Models

Mechanical Details

Make of Car ....Pontiac.....Model .....Custom Torpedo Eight (1941-29).....

Name of Maker ....Pontiac Motor Division.....Address .....Pontiac, Michigan.....

Date.....

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.

PERFORMANCE

Car Weight per cubic inch piston displacement .....
Horsepower per cubic inch .....
Car Weight per horsepower .....
(A) Engine Revolutions per mile — Direct .....
Overdrive .....
(B) Piston Displacement per mile=A x Piston displacement.....
Direct .....
Overdrive .....
Piston Displacement per mile per pound = $\frac{B}{\text{Car Weight}}$.....
Direct .....
Overdrive .....
Car Weight per square inch of brake lining area.....

(NOTE: Car Weight, for performance figure, is *shipping weight for five-passenger, four-door sedan, plus 500 pounds for liquids and passengers.*)

ENGINE

No. of cylinders .....8.....
Valve arrangement .....L" Head.....
Bore ...3 1/4".... Stroke.....3 3/4".....
Cylinder head, cast iron or aluminum .....Cast iron.....
Piston displacement .....248.9 cu.in.....
Taxable horsepower .....33.8.....
Maximum brake horsepower at R.P.M. ...103 at 3500.....
Maximum torque (*lbs.-ft.*) at R.P.M. ..190 at 2200.....
Compression Ratio—
Standard ....6.5..... Optional ....7.5.....
Standard compression pressure—*pounds*—
At cranking speed .....155.....
At what R.P.M. .....1000.....

PISTONS and RINGS

Piston
Make ...Own.....
Material .....Chrome-Nickel Alloy.....

PISTONS and RINGS (cont'd)

Features—*split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, etc.*..Tin-plated.....
Weight—ounces—*without rings, pin or bushing*....24 5/8...
Length .....3 19/32".....
Clearance—
Top *land* .0175".....to.....0295".....
Skirt .....002".....to.....
Piston ring groove depth—
Oil .189"..... Compression ...167".....
No. of oil rings used per piston ....1.....
Width of oil rings .....3/16".....
Width of oil ring gap ....007" - .017".....
No. of compression rings used per piston.....2.....
Width of compression rings .....3/32".....
Width of compression ring gap ...009" - .014".....
Maximum wall thickness of oil rings.....150".....
Maximum wall thickness of compression rings ..150".....

RODS and PINS

Wristpin—
Material ...Steel GM #X-1315A (Fine Grain)...
Length .....2 7/8"..... Diameter ..15/16".....
Locked in rod, piston or floating ..Piston.....
Clearance in piston Press fit - 200 to 300 lbs.
Clearance in rod ....0003".....to....0005".....
Hole finish—~~*reamed*~~ *diamond bored*, ~~*broached or ground*~~.....
Connecting rod—
Length—*center to center*.....7 9/16".....
Material .... Drop Forged.....
Weight—~~*ounces*~~ .....1.98 lbs.....
Crankpin journal—
Diameter ....2"..... Length ....1 1/16".....
Lower bearing—
Material .Steel Backed White Bearing Metal All
Clearance .....0001"..... to ....0021".....
End play .....007"..... to ....012".....
Shim—*solid, laminated or none* .....None.....
Spun or separate .....Separate.....
Rods and pistons removed from above or below... Above.....

Make of Car ..... Model ..... Date .....

CRANKSHAFT

Material ..... D. F. Steel (GMC #1045) .....
Vibration dampener used—*yes or no* ..... Yes .....
Type .. Harmonic Balancer .....
Crankshaft counterweights used, number of .... 8 .....
Which main bearing takes thrust . Rear Center .....
Crankshaft end play .... .003" to .008" .....
Main bearing—
Type: Cast-in or ..... Slip-in .. Yes .....
If slip-in: Removable from below ..... Yes .....
Necessary to align ream ..... No .....
Material .. Steel Backed White Bearing Metal Alloy
Clearance ..... .0003" to .0023 .....
Shim—*solid, laminated or none* ..... None .....
Main bearing journal diameter x length—
No. 1. .... 2 3/8" x 1 1/4" .....
No. 2. .... 2 13/32" x 1 3/16" .....
No. 3. .... 2 7/16" x 1 7/16" .....
No. 4. .... 2 15/32" x 1 3/16" .....
No. 5. .... 2 1/2" x 1 7/8" .....
No. 6. .....
No. 7. .....
No. 8. .....
No. 9. .....
Crankshaft gear or sprocket—
Make ..... Own .....
Material .. Hardened Steel .....

CAMSHAFT

Camshaft gear or sprocket—
Make ..... Own .....
Material . Chrome-Nickel Alloy-Hardened .....
Timing chain—
Make ..... Morse .....
Number of links ... 56 .....
Width 3/4" .....
Pitch ..... 3/8" .....
Adjustment—*none, automatic or manual* ..... None .....

VALVES

INTAKE VALVE—
Make ..... Own .....
Material Silicon Chromium .....
Overall length ..... 5 17/32" .....
Actual overall diameter of head ..... 1 15/32" .....
Angle of seat ..... 30° .....
Is valve seat an insert? ..... No .....
Stem diameter ..... 5/16" .....
Stem to guide clearance . Free Fit ..... to .... .0006 MAX

VALVES (cont'd)
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— None
With valve closed—*lb.* ..... *ins.* .....
With valve open—*lb.* ..... *ins.* .....
Length out of engine—*ins.* .....

EXHAUST VALVE—
Make ..... Own .....
Material . Chrome-Nickel-Silicon .....
Overall length ..... 5 17/32" .....
Actual overall diameter of head ..... 1 11/32" .....
Angle of seat ..... 45° .....
Is valve seat an insert? ... No ..... Material .....
Stem diameter ..... 5/16" .....
Stem to guide clearance . Free fit ..... to . .0006" MAX
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— None
With valve closed—*lb.* ..... *ins.* .....
With valve open—*lb.* ..... *ins.* .....
Length out of engine—*ins.* .....
Operating tappet clearance (hot and running)—*intake* .011" to .013"
Tappet clearance for valve timing—*intake* ..... .015 .....
Operating tappet clearance (hot and running)—*exhaust* .011" to .013"
Tappet clearance for valve timing—*exhaust* ..... .015 .....
Hydraulic valve lifters—*yes or no* ..... No .....
Valve timing—
Intake opens .... 5 ..... *degrees* BUDC *piston travel* ..... *inches*
Intake closes 39 ..... " ALDC " " ..... *inches*
Exhaust opens 45 ..... " BLDC " " ..... *inches*
Exhaust closes .. 5 ..... " AUDC " " ..... *inches*
Valve Timing Marks *on Flywheel, Vibration Damper, None.* flywhee

LUBRICATION

Lubricating system type—*pressure or splash* ... Pressure .....
Oil pressure to—
Main bearings—*yes or no* ..... Yes .....
Connecting rods—*yes or no* .... Yes .....

Make of Car ..... Model ..... Date .....

LUBRICATION (cont'd)

Wristpins—*yes or no* .....Yes.....
Camshaft bearings—*yes or no* ..Yes.....
Timing gear or chain lubrication—*positive or splash*..Positive...
Oil pump type .....Gear.....
Oil grade recommended—*SAE viscosity and temperature range*—

10W + 10% Kerosene	..-30°F..to..+20°F....
10W.....	..-10°F..to..+70°F....
20W.....	...10°F..to.110°F....
20.....	...32°F..to.110°F....

Normal oil pressure—*lbs. at M.P.H.* 35-40 #. Above 40 MPH
Pressure at which relief valve opens .....40 lbs.....
Capacity of oil reservoir—*quarts, dry* 6.....*refill*...2.....
Oil pressure gauge make .....AC.....
Oil reservoir level gauge type .....Rod.....
Floating type oil intake—*yes or no*.....No.....
External oil filter make ..Accessory-AC.....
Oil cooler make .....
Chassis lubrication—Make .....

FUEL

Gasoline tank—*capacity* .....17 gals.....
Fuel feed—
Type—*vacuum tank, electric pump, gravity vacuum pump or camshaft pump* .camshaft pump.....
Make .....AC..... Model AH Inverted.....
Carburetor—
Make ...Carter..... Model .WDO-469 SM..
Size .....1 1/4" nominal.....
Type—
Up or down draft ....down.... Single or dual..dual.....
Intake manifold heat control—*manual, automatic or none*..thermostatic
Automatic choke, make ...Carter..... Model.....
Air cleaner—Intake silencer make.....AC.....
Heavy Duty type—Make .....AC..... Model.....
Muffler make .....Various.....
Tail pipe diameter .....1 3/4".....

COOLING

Water pump—
Type ...Centrifugal.....
Drive ....."V" 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 shutter—Make .....None.....

COOLING (cont'd)

Radiator core—
Type .....Cellular.....
Make .....Harrison.....
Cooling system—*capacity, quarts* .....19 1/2.....
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 ....13 1/8".....
Upper radiator hose—
Inside diameter ...1 3/4".... Length .....8 1/2".....
Fan belt—
Make ....Various.....
Angle of vee .....32°.....
Length, outside ...48 1/4"...Width, maximum ...3/4".....
Fan—
Make .....Own..... No. of Blades..4.....

IGNITION

Ignition unit—
Make .....Delco Remy.... Model ..1110804.....
Manual or octane selector, *degrees advance*...10 *retard* 10...
Maximum automatic advance crankshaft, *degrees*.....28.....
at 4000..... *engine R.P.M.*
Inches of Vacuum Necessary to operate .7 to 9.....
Vacuum Advance (Plus or minus 1 inch)..14-5 to 17-5....
Maximum Vacuum advance crankshaft, *degrees*....18 to 22.
Breaker gap ..-015".. Breaker arm tension.19 to 23 oz.
Cam angle .....31°.....
Timing—Breaker *points open*..2-6.....*degrees crankshaft rotation*
or.....*inches piston travel (after or before) top center with octane selector in the*....zero..*position.*
Timing mark location—*flywheel, vibration dampener or none*. flywheel
Firing order .....1-6-2-5-8-3-7-4.....
Amperage draw of ignition coil—
With engine stopped .....
With engine idling .....
Ignition lock make .....Delco Remy.....
Spark plug—
Thread—10 *m.m.*, 14 *m.m.* or 18 *m.m.*....14 m.m.....
Make .....AC..... Model .....45.....
Gap .....-023"..-..-028".....
Ignition cable make ...Packard.....

BATTERY

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

Make of Car ..... Model ..... Date .....

STARTING MOTOR

Make . Delco. Remy ..... Model ... 1107921 .....
Normal engine cranking speed .50-55 RPM @ 0° F. w. 10W oil
Brush spring tension .....24 to 28 oz. .....
Lock test—
Amperage draw .....600.....
Volts .....3.....
Torque in pounds feet ....15.....
No load test—
Amperage draw .....60.....
Volts .....5..... R.P.M. .....6000.....
Type of drive—*Bendix or sliding gear with overrunning clutch* .....
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 .....x.....
5. Operate button on dash.....
6. Pull out throttle .....x.....
Starting motor pinion meshes front or rear....Front.....
No. of teeth in flywheel .....140.....
Face width of flywheel teeth .....$\frac{1}{2}$".....
Gear ratio between starter armature and flywheel . 15.56 to 1...

GENERATOR

Make Delco. Remy..... Model 1102665.....
Type—*third brush, shunt, etc.*...Shunt Wound.....
Brush spring tension 22 to 26 oz. .....
Current regulator, voltage regulator or current and voltage control unit ..Current and Voltage Regulator
Maximum controlled charging rate
Temperature .....Operating temperature.....
Amperes .....34.....
Voltage .....7.2 to 7.4.....
R.P.M. .....
Cutout relay—
Voltage at closing .....6.2 to 6.7.....
Amperes to open, reverse current .....0 to 4.....
Air gap .....020".....
Voltage regulator—
Volts .....7.2 to 7.4.....
Temperature .....Operating temperature.....
Air gap .....070" to .075".....
Current regulator—
Amperes .....32 to 34.....
Temperature ..Operating temperature.....
Air gap .....080" to .085.....
Car speed for maximum charging rate Approx. 35 MPH.....
Ammeter or charge indicator make ...AC.....

LAMPS

Lighting switch make.....Delco Remy.....
Are tail and dash lights in series.....No.....
Headlight—
Make .....Guide Lamp.....
Location—*in fender, in cowl, on radiator shell*..in fender
Wattage ~~Candlepower~~ of bulb ...35 w. 45.....
Type of bulb ....Package.....
Parking or fender light make Guide Lamp.....
Tail and stop light make.....Guide Lamp.....
Horn—
Type—*vibrator or motor*.vibrator.... No. used....2....
Make .....Delco.....
Amperage draw of each.17 to 19 high note.....
19 to 21 low note

CLUTCH

Make .....Inland.....
Semi-centrifugal .....
Power operated unit—make .....None.....
Vibration insulation or neutralizer—*fabric, rubber blocks or springs*.....Springs.....
No. of clutch driving discs.....
No. of clutch driven discs.....One.....
Clutch facing—
Material—*woven or moulded asbestos, cork*...Moulded.....
Inside diameter .....6".....
Outside diameter ....9 $\frac{1}{2}$".....
Thickness .....1/8".....
No. required .....Two.....

TRANSMISSION

Transmission—
Make .....Own..... Model .....
No. of forward speeds.....3.....
Shift lever location—*dash, steering column, floor*steering column
If steering column gearshift—
Are gears meshed by rod linkage or cable..Rod linkage....
Are gears selected by rod linkage or cable..Rod Linkage..
Automatic or auxiliary shifting mechanism—
Make .....None.....
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* .....4.3.....

Make of Car .....Model..... Date .....

TRANSMISSION (Cont'd)

Transmission ratio—
In overdrive ..... In second ..1.66..to.1....
In low ...2.67..to..1..... In reverse ..3.02..to.1....
Constant mesh gears on second.....Yes.....
Spur or helical gears—
For second speed .....Helical.....
For first speed .....Helical.....
For reverse speed .....Helical.....
Synchronous meshing second and third gears.....Yes.....
Transmission oil—
Capacity—*pints* .....1.3/4.....
Grade recommended—*S.A.E. viscosity*
Summer ....SAE.140.. Winter ...SAE.90.....
Universal joints—
Make ....Saginaw.and.Mechanics.(two.sources)
Number used .....2.....
Type—*metal with anti-friction*
bearing or metal with plain bearing..roller..bearing
Lubricated with ..Lubricated.for..life.....
Drive taken through springs, torque arm, torque tube or
radius rods .....Springs.....
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.....
Minimum road clearance under center of rear
axle—*tires inflated* .....8.3/8".....
Rear axle oil—
Capacity—*pints* ...3 1/4.....
Grade and type recommended—*S.A.E. viscosity*
Summer .Hypoid.140..... Winter Hypoid.90....
Type of gearing—*spiral bevel, worm, hypoid* .....Hypoid.....
Gear ratio—*standard 5-passenger 4-door sedan*.....4.3.....
Optional gear ratios...Economy..3.9..-..Mountain.4.55
Number of teeth—
In ring gear ....43..... In pinion.....10.....
How is pinion adjusted—*screw or shims* .....Shims.....
How is pinion bearing adjusted—*screw or shims*....Shims.....
Are pinion bearings carried in sleeve .....No.....
Backlash between pinion and ring gear. .006".....*to*..012".....
Are pinion bearings preloaded .....Yes..-..Front.....
How is pinion bearing preload obtained ...Internally.....
Are differential bearings preloaded .....Yes.....
How is differential bearing preload obtained .Adjusting..Nuts

TIRES and WHEELS

Tires—
Make ...Firestone,..Goodrich,..U.S.....
Size .6.50.x.16.....No. of plies...4.....
Inflation pressure—Front .....28.....Rear.....28.....
Rim—Diameter ....16"..... Width ....4 1/2".....
Wheels—
Type .....Steel.....
Make Kelsey.-.Hayes.Motor.Wheel.....

SPRINGS

FRONT SPRING— 504505

Independent or conventional suspension ....Independent..
Type—*coil, semi-elliptic or transverse* ..Coil.....
Make .....Own.....
Material .....GM.-.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 .....
Shackled front or rear .....
If coil—
Free length .....15.15/32".....
Length under curb weight .....10".....
Rate for above ....290.....*pounds per inch*

REAR SPRING—

Independent or conventional suspension. Variable..Rate....
Type—*coil, semi-elliptic or transverse*. Semi-elliptic...
Make .....
Material ...Silico..or..Chrome..Manganese.....
Torsional stabilizer at rear .....None.....
If leaf—
Length ...52"..... Width. 2".....
Number of leaves—5-passenger, 4-door sedan.....8.....
Spring leaves lubricated with Graphite..Grease.....
Spring cover make .....Metal.....
Spring shackles—
Front—Type ....None..... Make .....
Rear—Type Compression...metal Make .....Own.....
Spring bolts—
Type .Threaded.....
If coil—
Free length .....
Length under curb weight .....

Make of Car ..... Model ..... Date .....

SPRINGS (cont'd)

Rate for above ..... *pounds per inch*

Shock absorbers—

Make ..Delco Lovejoy.....

Type, one way with lever, two way with lever, or direct acting

Front ...Double acting.....

Rear ...two-way direct acting.....

Fluid capacity—front .125 CC..... rear 6 7/8 ounces

STEERING

Steering gear—266849

Type .....Worm and Roller.....

Make ... Saginaw..... Model 420-D-133.....

Ratio .....19 to 1.....

Lubricant recommended .....SSC #06.....

Steering wheel diameter .....18".....

Drag link longitudinal or transverse .....Transverse.....

Tie rod—one or two .....Two.....

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*..Both 40'..8".....

Caster—*degrees* ....Neg. 1/2..... *to* ....Neg. 1°.....

Camber—*degrees or* ..0°.....*inches*.....*to*.....

Toe-in—*inches* .....0..... *to* 1/16".....

Crosswise inclination of kingpin—*degrees*.....4 5/8°.....

Front axle—

Make ..None..... Model.....

Section type—*I-beams, tubular or none*.....

End type—*Elliott or reverse Elliott*.....

Minimum road clearance—*tires inflated*.....8 15/16".....

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.....

BRAKES (cont'd)

Drum—

Material .Chrome Nickel. Diameter ..11".....

Lining—

Length per wheel .....21 5/16".....

Width ..1 3/4"..... Thickness .....3/16"...

Clearance—*toe* .015..... *heel* ...015.....

Total foot braking area .....149 sq.in.....

Percent braking power on rear wheels.....47%.....

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

Frame—

Depth—*maximum* .....8 1/8".....

Thickness—*maximum* .....7/64".....

Flange width—*maximum* .....2 1/2".....

Wheelbase .....122".....

Tread—

Front .....58".....

Rear .....61 1/2".....

Weight of standard 5-passenger four-door sedan—

Shipping .....

Curb .....

Price of standard 5-passenger, 4-door sedan.....

First serial number, this series...P8JC-1001.....

Serial number location. Front of Dash L. H.....

.....Side under hood.....

Overall length of car—

With bumpers and bumper guards ....211 1/2.....

Make of Car ..... Model ..... Date .....

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—1107921
Make or type ....Cast Iron.....
Size or number ....5625 I.D. x 31/32".....
Starting motor drive end bearing—
Make or type .....Oilless.....
Size or number ...500 x .562 x 25/32".....
Starting motor outboard bearing—
Make or type .....None.....
Size or number .....
Generator commutator end bearing—1102665
Make or type .....Durex.....
Size or number .....812823.....
Generator drive end bearing—
Make or type .....New Departure Ball.....
Size or number .....
Super-charger—
Make or type .....None.....
Size or number .....
Clutch throwout bearing—
Make or type Graphite Ring.....
Size or number ....1 ½" x 2 3/8" x 3/4".....
Transmission main drive gear front pilot bearing—
Make or type .....New Departure Ball.....
Size or number .....954144.....
Transmission main drive gear rear bearing—
Make or type .....New Departure Ball.....
Size or number .....907506.....
Transmission reverse idler bearing—
Make or type ....Bronze.....
Size or number .850 x .987" x 3/4".....
Transmission main shaft front pilot bearing—
Make or type .....Hyatt Roller.....
Size or number .....1294780.....
Transmission main shaft rear bearing—
Make or type ....New Departure Ball.....
Size or number .....907506.....
Transmission countershaft front bearing—
Make or type .....Roller Bearing.....
Size or number .....1302154.....
Transmission countershaft rear bearing—
Make or type .....Roller Bearing.....
Size or number .....1302154.....
Overdrive shaft rear bearing—
Make or type .....
Size or number .....

BEARINGS (cont'd)

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 Ball.....
Size or number .....905306.....
Rear axle pinion shaft rear bearing—
Make or type .....Hyatt Roller.....
Size or number .....107391.....
Differential right bearing—
Make or type .....Hyatt Roller.....
Size or number .....179243.....
Differential left bearing—
Make or type .....Hyatt Roller.....
Size or number .....179243.....
Rear wheel inner bearing—
Make or type .....New Departure.....
Size or number .....954172.....
Rear wheel outer bearing—
Make or type .....
Size or number .....
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.....
Size or number .....863" x 1.054" x 1¼".....
Kingpin lower bearing—
Make or type .....Bronze.....
Size or number .....863" x 1.054" x 1¼".....
Kingpin thrust bearing—
Make or type .....Ball Bearing.....
Size or number .....230679.....
Front spring—Bolt—
Bushing size .....
Bushing type .....
Shackles—
Upper end .....
Lower end .....
Rear spring—Bolt—
Bushing size .....
Bushing type .....Threaded.....
Shackles—
Upper end .....Threaded pin.....
Lower end .....Threaded pin.....

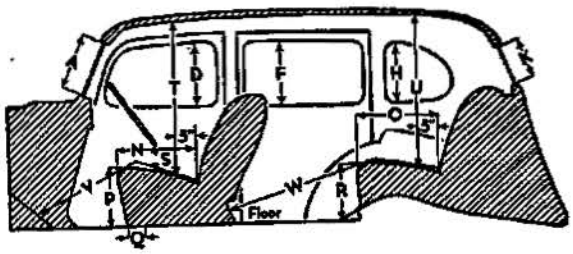
Make of Car ..... Model ..... Date .....

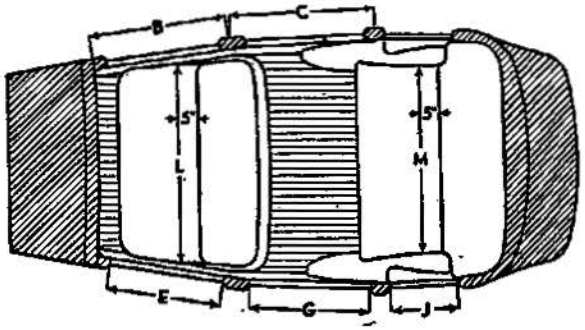
NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed *with its additional price.*
(2) Enter on top line your own model name, or series mark corresponding to Standard, DeLuxe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

EQUIPMENT	Models: Standard	DeLuxe	Custom
Catalog Designation of Model	Custom Torpedo Eight		
Lacquer make	Duco		
Body finish, *lacquer or synthetic enamel*	Lacquer		
Fender finish, *lacquer or synthetic enamel*	"		
Hardware make	Ternstedt		
Speedometer make	AC		
Gasoline gauge make	AC		
Thermometer make	AC		
Car lock make	Briggs Stratton		
Car lock operates *on ignition or ignition and steering*	Ignition		
Clock make ..... *mechanical or electrical*	Jaegar		
Cigar lighter make	Casco		
Safety glass make	Libby-Owen-Ford		
Safety glass type, *laminated or tempered*	Laminated		
In windshield	"		
In side windows	"		
In rear window	Tempered		
Bumper make	Eaton Mfg. Co. Spring & Bumper	" " " "	"
Bumper guard make	" "		
Car heater make ..... Type ... US	Harrison		
Direction signal make	Guide Lamp		
Front—*yes or no* .... yes Rear—*yes or no* yes			
No. of tail lights included	2		
No. of visors included	2		
No. of horns included	2		
No. of windshield wipers included	2		
No. of spare tires included	1		

Make of Car ..... Model. Custom Torpedo 8-41-28 .. Date .....

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





EXTERIOR

Overall height, road to roof with no load	66 13/16
Minimum height of floor in front compartment, no load	15 1/2
Minimum height of floor in rear compartment, no load	15 1/2
Distance between hinge centers, front door	18 3/8
Distance between hinge centers, rear door	16 1/2
Windshield opening height (A)	15 1/4
Windshield opening width, to center strip if divided	23 1/4
Width of front door, at handle (B)	40 1/16
Width of rear door, at handle (C)	35 7/16
Height of front door, maximum	60 1/2
Height of rear door, maximum	60 1/2
Height of window opening in front door, maximum (D)	13 1/8
Width of window opening in front door, maximum (E)	31 1/16
Height of window opening in rear door, maximum (F)	13
Width of window opening in rear door, maximum (G)	30 15/16
Height of rear quarter window opening, maximum (H)	
Width of rear quarter window opening, maximum (J)	
Height of rear window opening, maximum (K)	12 11/32
Width of rear window opening, maximum (If divided list each)	38 7/16

INTERIOR

All interior body dimensions taken with front seat in its rear position	
Width of front seat cushion, measured 5 inches from back (L)	60
Width of rear seat cushion, measured 5 inches from back (M)	51
Depth of front seat cushion (N)	18 1/2
Depth of rear seat cushion (O)	19
Height of front seat cushion (P)	13 1/4
Front seat horizontal adjustment, inches (Q)	4 3/4
Front seat vertical adjustment, inches	1/4 down
Height of rear seat cushion (R)	13
Vertical distance between steering wheel and seat cushion (S)	6 3/8
Head room at front seat, measured 5 inches from back (T)	37 1/2
Head room at rear seat, measured 5 inches from back (U)	36 1/4
Leg room in front seat, measured from 6 inches up on toe board (V)	43
Leg room in rear seat, measured from center of foot rest (W)	41
Width of left front pillar on diagonal with door closed	3 3/4

Make of Car ..... Model..... Date .....

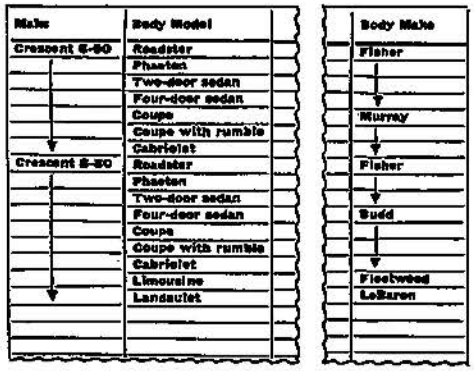
BODY DETAIL AND EQUIPMENT FORMS

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 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 Arrange-ment Number See Below	Body Make
Pontiac 41-29	Sedan Coupe			122"		3	Fisher
	Four Door Touring Sedan			"		4	"

SEATING ARRANGEMENT NUMBERS

1—Two-door car with no rear seat.
2—Two-door car with rumble seat.
3—Two-door car with conventional rear cushion.
4—Four-door car with cushions front and rear.
5—Four-door car with cushions front and rear plus two auxiliary seats folding into front seat back.
6—Two-door car with two opera seats folding into sides of body.
7—Two-door car with two opera seats folding into rear of body.
8—Two-door car with one opera seat folding into rear of body and other seat stationary.
9—Two-door car with rear stationary seat for one passenger.