



Make of Car BUICK Model 1940 SERIES 90 Date Sept. 18, 1939

**CRANKSHAFT**

Vibration dampener used—yes or no Yes  
 Type Laminated steel flywheel supported on steel leaf springs.  
 Crankshaft counterweights used, number of 8  
 Which main bearing takes thrust Center  
 Crankshaft end play .004" to .008"

**Main bearing—**

Type: Cast-in or Slip-in Yes  
 If slip-in: Removable from below Yes  
 Necessary to align ream Yes (Except in Sets)  
 Material Steel Backed Babbitt  
 Clearance .0007" to .0022"  
 Shim—solid, laminated or none Solid

**Main bearing journal diameter x length—**

No. 1. 2-9/16" x 1-9/32"  
 No. 2. 2-5/8" x 31/32"  
 No. 3. 2-11/16" x 1-15/32"  
 No. 4. 2-3/4" x 31/32"  
 No. 5. 2-13/16" x 2-15/32"  
 No. 6.   
 No. 7.   
 No. 8.   
 No. 9.

**Crankshaft gear or sprocket—**

Make Own  
 Material C.D.S. 1112

**CAMSHAFT**

**Camshaft gear or sprocket—**

Make Own  
 Material Cast Iron 13M

**Timing chain—**

Make Link Belt  
 Number of links 50  
 Width 1"  
 Pitch .500"  
 Adjustment—none, automatic or manual None

**VALVES**

**INTAKE VALVE—**

Make Thompson, or Rich  
 Material 3140 or 1030  
 Overall length 5-1/4"  
 Actual overall diameter of head 1-25/32"  
 Angle of seat 45°  
 Is valve seat an insert? No Material   
 Stem diameter .3720"  
 Stem to guide clearance .0015" to .0035"

**VALVES (cont'd)**

Lift .347"  
 Spring pressure and length—  
 Outer—  
 With valve closed—lb. 29 ins. 1-15/16  
 With valve open—lb. 70 ins. 1-19/32  
 Length out of engine—ins. 2-5/16  
 Inner—  
 With valve closed—lb. 18 ins. 1-21/32  
 With valve open—lb. 48 ins. 1-5/16  
 Length out of engine—ins. 1-7/8

**EXHAUST VALVE—**

Make Thompson  
 Material X C R  
 Overall length 5-1/4"  
 Actual overall diameter of head 1-7/16"  
 Angle of seat 45°  
 Is valve seat an insert? No Material   
 Stem diameter .3715"  
 Stem to guide clearance .0021" to .0039"  
 Lift .342"

**Spring pressure and length—**

Outer—  
 With valve closed—lb. 29 ins. 1-15/16  
 With valve open—lb. 70 ins. 1-19/32  
 Length out of engine—ins. 2-5/16  
 Inner—  
 With valve closed—lb. 18 ins. 1-21/32  
 With valve open—lb. 48 ins. 1-5/16  
 Length out of engine—ins. 1-7/8

Operating tappet clearance (hot or cold)—intake .015 Hot  
 Tappet clearance for valve timing—intake   
 Operating tappet clearance (hot or cold)—exhaust .015 Hot  
 Tappet clearance for valve timing—exhaust   
 Hydraulic valve lifters—yes or no No  
 Valve timing—  
 Intake opens 14 degrees BUDC piston travel  
 Intake closes 71 " ALDC " "  
 Exhaust opens 56 " BLDC " "  
 Exhaust closes 25 " AUDC " "  
 Valve Timing Marks on Flywheel, Vibration Damper, None None

**LUBRICATION**

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

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## LUBRICATION (cont'd)

Wristpins—yes or no **No**  
 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—  
 Not lower than 32° F. **20W or SAE 20**  
 As low as plus 10° F. **20W**  
 As low as minus 10° F. **10W**  
 Below minus 10° F. **10W plus 10% Kerosene**  
 Normal oil pressure—lbs. at M.P.H. **45 at 35**  
 Pressure at which relief valve opens **45**  
 Capacity of oil reservoir—quarts, dry **10** refill **8**  
 Oil pressure gauge make **AC**  
 Oil reservoir level gauge type **Stick**  
 External oil filter make **AC**  
 Oil cooler make **None**  
 Chassis lubrication—  
 Type **High Pressure**  
 Make **Lincoln**

## FUEL

Gasoline tank—capacity **19**  
 Fuel feed—  
 Type—vacuum tank, electric pump, gravity vacuum pump or camshaft pump **Camshaft Pump**  
 Make **AC** Model  
 Carburetor—  
 Make **Stromberg** Model **A.A.V.-26**  
 Size **1-1/4**  
 Type—  
 Up or down draft **Down** Single or dual **Dual**  
 Intake manifold heat control—manual, automatic or none **Automatic**  
 Automatic choke, make **Stromberg** Model  
 Air cleaner—intake silencer make **AC**  
 Muffler make **Hayes**

## COOLING

Radiator Pressure Control Valve..... **7#**  
 Water pump—  
 Type **Centrifugal (Ball Brg.-Spr.Loaded Seal)**  
 Drive **Belt**  
 Is pump equipped with packing nut. **No**  
 Water circulation thermostat make **Harrison**  
 By-pass for recirculation—yes or no **Yes**  
 Radiator shutter—Make **None**  
 Radiator core—

## COOLING (cont'd)

Type **Vee-Cellular**  
 Make **Harrison**  
 Cooling system—capacity, quarts  
 Water jackets full length of cylinders—yes or no **No**  
 Lower radiator hose—  
 Inside diameter **1-9/16"** Length **Elbow Type**  
 Upper radiator hose—  
 Inside diameter **1-9/16"** Length **Elbow Type**  
 Fan belt—  
 Make **Various**  
 Number used **1**  
 Angle of vee  
 Length, outside Width, maximum  
 Fan—  
 Make **Hayes Industries**

## IGNITION

Ignition unit—  
 Make **Delco-Remy** Model **1110805**  
 Manual or octane selector, degrees advance..... retard  
 Maximum automatic advance, degrees **22 - 26**  
 Vacuum advance, degrees **10 - 12**  
 Breaker gap **.015"**  
 Cam angle **31°**  
 Timing—Breaker points open **6** degrees crankshaft travel  
~~..... (before) top center~~  
~~.....~~  
 Timing marks on flywheel, vibration dampener or none **Flywheel**  
 Firing order **1 - 6 - 2 - 5 - 8 - 3 - 7 - 4**  
 Amperage draw of ignition coil—  
 With engine stopped **4-1/2**  
 With engine idling **2-1/2**  
 Ignition lock make **Delco-Remy & Briggs-Stratton**  
 Spark plug—  
 Thread—10 m.m., 14 m.m. or 18 m.m. **14**  
 Make **AC** Model **46**  
 Gap **.025"**  
 Ignition cable make **Packard**

## BATTERY

Make **Delco-Remy**  
 Capacity—ampere hours **115** @ 20 hour rate  
 Number of plates per cell **17**  
 Bench charging rate—  
 Start **7 or Higher** Finish **more than 7**  
 Which battery terminal is grounded **Negative**  
 Location of battery **Under Hood**

# 1940 MODEL SPECIFICATIONS

Make of Car ..... **BUICK** ..... Model ..... **1940 SERIES 90** ..... Date ..... **Sept. 18, 1939** .....

## STARTING MOTOR

Make ..... **Delco-Remy** ..... Model ..... **1107908** .....  
 Normal engine cranking speed .....  
 Lock test—  
     Amperage draw ..... **600** .....  
     Volts ..... **3** .....  
     Torque in pounds feet ..... **16** .....  
 No load test—  
     Amperage draw ..... **65** .....  
     Volts ..... **5** ..... R.P.M. .... **5500** .....  
 Type of drive—~~sliding~~ **sliding gear with overrunning clutch** .....  
 Starter operation—check items required to start engine  
     1. Turn on ignition ..... **Yes** .....  
     2. Depress starter pedal .....  
     3. Depress accelerator pedal ..... **Yes** .....  
     4. Depress clutch pedal .....  
     5. Operate button on dash .....  
     6. Pull out throttle ..... **Either 3 or 6 (not both)** .....  
 Starting motor pinion meshes front or rear ..... **Front** .....  
 No. of teeth in flywheel ..... **156** .....  
 Face width of flywheel teeth ..... **43/64"** .....  
 Flywheel teeth integral or steel ring ..... **Steel Ring** .....  
 Gear ratio between starter armature and flywheel ..... **17.33** .....

## GENERATOR

Make ..... **Delco-Remy** ..... Model ..... **1102669** .....  
 Field fuse capacity .....  
 Type—*third brush, shunt, etc.* ..... **Shunt** .....  
 Current regulator, voltage regulator or current and voltage control unit ..... **Current and Voltage** .....  
 Cutout relay—  
     Voltage at closing ..... **6.3 to 6.9** .....  
     Armature speed at closing ..... **880** .....  
     Car speed at closing ..... **8 to 10** .....  
     Amperes to open ..... **0 to 3-1/2 Discharge** .....  
 Maximum charging rate cold—  
     Temperature .....  
     Amperes ..... **32 to 34** .....  
     Voltage ..... **8** .....  
     R.P.M. .... **2000** .....  
 Maximum charging rate hot—  
     Temperature .....  
     Amperes ..... **32 to 34** .....  
     Voltage ..... **8** .....  
     R.P.M. .... **2400** .....  
 Car speed for maximum charging rate ..... **20 Approx.** .....  
~~Charge indicator~~ charge indicator make ..... **AC** .....

## LAMPS

Lighting switch make ..... **Delco-Remy** .....  
 Are tail and dash lights in series ..... **No** .....  
 Headlight—  
     Make ..... **Guide** .....  
     Location—*in fender, in cutwalk, on radiator shell* ..... **Fender** .....  
     Candlepower of bulb ..... **45 - 35 Watts** .....  
     Type of bulb ..... **Sealed Beam** .....  
 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 ..... **16 and 17** .....

## CLUTCH

Make ..... **Own (Disc make - Borg and Beck)** .....  
 Semi-centrifugal ..... **No** .....  
 Power operated unit—make ..... **None** .....  
 Vibration insulation or neutralizer—*fabric, rubber blocks or springs* ..... **Springs** .....  
 No. of clutch driving discs ..... **1 and Flywheel** .....  
 No. of clutch driven discs ..... **1** .....  
 Clutch facing—  
     Material—*woven or moulded asbestos, cork* ..... **Woven** .....  
     Inside diameter ..... **6-1/2"** .....  
     Outside diameter ..... **10-1/2"** .....  
     Thickness ..... **1/8"** .....  
     No. required ..... **2** .....

## TRANSMISSION

Transmission—  
     Make ..... **Own** ..... Model ..... **Series 90** .....  
     No. of forward speeds ..... **3** .....  
     Shift lever location—*dash, steering column, floor* ..... **Steer. 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 ..... **Direct** .....

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**TRANSMISSION (Cont'd)**

Transmission ratio—  
 In overdrive ..... In second 1.53 - 1  
 In low 2.39 - 1 ..... In reverse 2.39 - 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 ..... 2-1/2  
 Grade recommended—S.A.E. viscosity Above -10°F SAE 90 EP  
 Summer ..... Winter Below -10°F SAE 80 EP  
 Universal joints—  
 Make ..... G.M. or Spicer  
 Number used ..... 1  
 Type—fabric, rubber, metal with anti-friction  
 bearing or metal with plain bearing Metal/Plain Brg.  
 Lubricated with ..... Transmission Lubricant  
 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 Series 90  
 Type—semi, full or three-quarter floating ..... Semi  
 Minimum road clearance under center of rear  
 axle—tires inflated ..... 8-13/32"  
 Rear axle oil—  
 Capacity—pints ..... 4  
 Grade and type recommended—S.A.E. viscosity  
 Summer SAE 90 Hypoid Winter \*  
 Type of gearing—spiral bevel, worm, hypoid ..... Hypoid  
 Gear ratio—standard 5-passenger 4-door sedan ..... 4.555 - 1  
 Optional gear ratios ..... None  
 Number of teeth—  
 In ring gear ..... 41 ..... In pinion ..... 9  
 How is pinion adjusted—screw or shims ..... Shims  
 How is pinion bearing adjusted—screw or shims ..... None  
 Are pinion bearings in sleeve ..... No  
 Backlash between pinion and ring gear ..... .008" to .010"  
 Are pinion bearings preloaded ..... Yes  
 How is pinion bearing preload obtained ..... At Manufacturing  
 Are differential bearings preloaded ..... Yes  
 How is differential bearing preload obtained ..... Screw

\* For temperatures above minus 10°F. use SAE 90 Hypoid.  
 For temperatures below minus 10°F. use SAE 80 Hypoid.

**TIRES and WHEELS**

Tires—  
 Make U.S. - Firestone - Goodyear - Goodrich  
 Size 16" x 7.50" 25# Cold No. of plies 6 30# Cold  
 Inflation pressure—Front 27# Warm Rear 34# Warm  
 Rim—Diameter 16" Width 5.00"  
 Axle clearance for jack—tires inflated  
 Front ..... Rear .....  
 Wheels—  
 Type ..... Demountable Steel Disc  
 Make ..... Motor Wheel

**SPRINGS**

**FRONT SPRING—**  
 Independent or conventional suspension ..... Independent  
 Type—coil, semi-elliptic or transverse ..... Coil  
 Make ..... Own  
 Material ..... Steel 9260  
 Sway eliminators—torsional, lateral, none ..... Torsional  
 If leaf—  
 Length ..... Width .....  
 Number of leaves—5-passenger, 4-door sedan .....  
 Are radius rods used on axle .....  
 Shackled front or rear .....  
 Anti-shock shackle location .....  
 If coil—  
 Free length ..... 14-7/8"  
 Length under ~~average~~ At Normal Load 10-1/16"  
 Rate for above ..... 127 at Wheel ..... pounds per inch  
**REAR SPRING—**  
 Independent or conventional suspension ..... Coil Spg. Suspen.  
 Type—coil, semi-elliptic or transverse ..... Coil  
 Make ..... Own  
 Material ..... Steel 9260  
 Sway eliminators—torsional, lateral, none ..... None  
 If leaf—  
 Length ..... Width .....  
 Number of leaves—5-passenger, 4-door sedan .....  
 Spring leaves lubricated with .....  
 Spring cover make .....  
 Spring shackles—  
 Front—Type ..... Make .....  
 Rear—Type ..... Make .....  
 Spring bolts—  
 Type .....  
 If coil—  
 Free length ..... 19-7/8"  
 Length under ~~average~~ Normal Load 10-7/8"

# 1940 MODEL SPECIFICATIONS

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## SPRINGS (cont'd)

Rats for above **158 at wheel** pounds per inch  
 Shock absorbers—  
 Make **Delco**  
 Type—*one way, two way* **2**  
 Fluid capacity—front rear

## STEERING

Steering gear—  
 Type **Worm and Double Roller**  
 Make **Saginaw** Model **Series 90**  
 Ratio **22 to 1**  
 Lubricant recommended **Steering Gear Lubr. GM 456EM**  
 Steering wheel diameter **18"**  
 Drag link longitudinal or transverse **Longitudinal**  
 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—*fact—right, left or both*  
 Caster—*degrees* **0 ± 3/8** to  
 Comber—*degrees* ~~XX~~ **Rev. 1/4** to **Pos. 1**  
 Toe-in—*inches* **0** to **4 to 5**  
 Crosswise inclination of kingpin—*degrees*  
 Front axle—  
 Make Model  
 Section type—*I-beams, tubular or none*  
 End type—*Elliott or reverse Elliott*  
 Minimum road clearance—*tires inflated*

## BRAKES

Foot brakes—  
 Make **Bendix or Delco**  
 Type of mechanism, *hydraulic or mechanical*... **Hydraulic**  
 If vacuum booster is standard, state make.  
 Brake lining moulded, semi-moulded or woven **Woven on primary,**  
~~XXXX~~ **moulded on secondary.**

## BRAKES (cont'd)

Drum **Cast Iron** Diameter **14"**  
 Material  
 Lining—  
 Length per wheel **26-13/16"**  
 Width **2"** Thickness **1/4"**  
 Clearance—*toe* **.008"** to **.010"** *heel* **.008"** to **.010"**  
 Total foot braking area **214.6 sq. in.**  
 Percent braking power on rear wheels **47%**  
 Hand brake location, ~~on floor under center right~~, **under cowl at left**  
 Hand lever operates on—~~transmission, or master rear brake~~, **rear service brakes or master rear brake** **Rear Service**  
 Hand brake—  
 Internal or external **Internal**  
 Drum diameter **14"**  
 Lining—  
 Length per drum **26-13/16"**  
 Width **2"** Thickness **1/4"**  
 Clearance **.008"** to **.010"**

## FRAME

Frame—  
 Make **A. O. Smith**  
 Type **Double Drop**  
 Depth—*maximum* **9"**  
 Thickness—*maximum* **1/8"**  
 Flange width—*maximum* **2-1/4"**  
 Wheelbase **140"**  
 Tread—  
 Front **59-7/16"**  
 Rear **62-1/2"**  
 Weight of standard 5-passenger four-door sedan—  
 Shipping  
 Curb  
 Per cent on front axle  
 Price of standard 5-passenger, 4-door sedan  
 \* First serial number, this series **Flint, Mich. - #13596807**  
 Serial number location... **Right side top of frame**  
 by dash.  
 Overall length of car—  
 With bumpers and bumper guards **225-1/4"**  
 \* South Gate, Calif. - #23601856  
 Linden, N.J. - #23611856

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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 and Fan

Water pump bearing—  
 Make or type ..... New Departure  
 Size or number ..... 954208

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

Starting motor commutator end bearing—  
 Make or type ..... Cast Iron  
 Size or number ..... .563" x 15/16"

Starting motor drive end bearing—  
 Make or type ..... Oilless Bushing  
 Size or number ..... .563" x .625" x 3/4"

Starting motor <sup>middle</sup> bearing—  
 Make or type ..... Oilless Bushing  
 Size or number ..... .7575" x .812" x 23/32"

Generator commutator end bearing—  
 Make or type ..... Bushing  
 Size or number ..... .5625 x .7835" x 51/64"

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

Super-charger—  
 Make or type .....  
 Size or number .....

Clutch throwout bearing—  
 Make or type ..... New Departure  
 Size or number ..... 954221

Clutch pilot bearing—  
 Make or type ..... New Departure  
 Size or number ..... 907109

Transmission main shaft pilot bearing—  
 Make or type ..... Roller - 14 Required  
 Size or number ..... 1294780

Transmission reverse idler bearing—  
 Make or type ..... Bushing  
 Size or number ..... 553119 (.847" x .987" x 1")

Transmission main shaft front bearing—  
 Make or type ..... New Departure  
 Size or number ..... 954144

Transmission main shaft rear bearing—  
 Make or type ..... New Departure  
 Size or number ..... 954120

Transmission countershaft front bearing—  
 Make or type ..... Roller - 26 Required  
 Size or number ..... 1298445

Transmission countershaft rear bearing—  
 Make or type ..... Roller - 26 Required  
 Size or number ..... 1298445

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  
 Size or number ..... 905607

Rear axle pinion shaft rear bearing—  
 Make or type ..... Hyatt  
 Size or number ..... 126047

Differential right bearing—  
 Make or type ..... Hyatt  
 Size or number ..... 149523

Differential left bearing—  
 Make or type ..... Hyatt  
 Size or number ..... 149523

Rear wheel inner bearing—  
 Make or type ..... Hyatt  
 Size or number ..... 125686 (Inner Race - 125685)

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

Front wheel inner bearing—  
 Make or type ..... New Departure  
 Size or number ..... 909028 (Cup 909628; Cone 909528)

Front wheel outer bearing—  
 Make or type ..... New Departure  
 Size or number ..... 909027 (Cup 909627; Cone 909527)

Kingpin upper bearing—  
 Make or type ..... Split Bushing  
 Size or number ..... 1289176 (1.0635" x 1.181" x 1-1/2")

Kingpin lower bearing—  
 Make or type ..... Split Bushing  
 Size or number ..... 1289176 (1.0635" x 1.181" x 1-1/2")

Kingpin thrust bearing—  
 Make or type ..... Nice  
 Size or number ..... 1289123

Front spring—Bolt—  
 Bushing size .....  
 Bushing type .....

Shackles—  
 Upper end .....  
 Lower end .....

Rear spring—Bolt—  
 Bushing size .....  
 Bushing type .....

Shackles—  
 Upper end .....  
 Lower end .....

**1940 MODEL SPECIFICATIONS**

Make of Car ..... **BUICK** ..... Model: **1940 SERIES 90** ..... Date **Sept. 18, 1939** .....

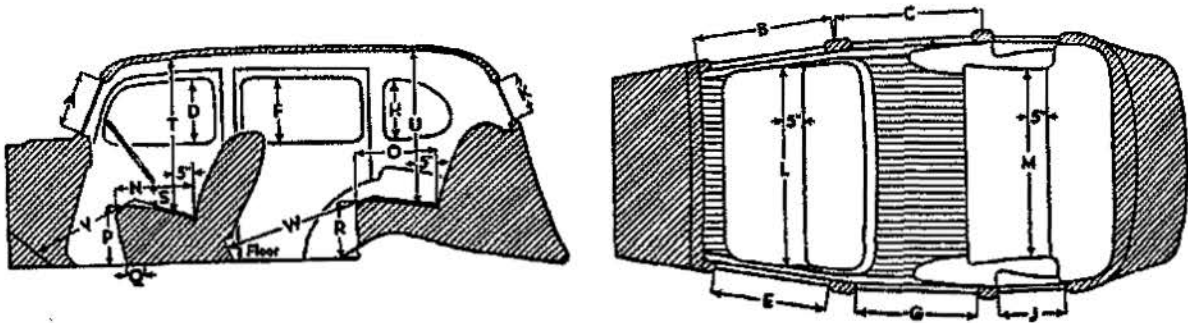
**NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed with its additional price.**  
**(2) Enter on top line your own model name, or series mark corresponding to Standard,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

EQUIPMENT	Models		
	Standard	DeLuxe	Custom
Catalog Designation of Model .....	Series 90		
Lacquer make .....	Duco		
Body finish, <i>lacquer or synthetic enamel</i> .....	Lacquer		
Fender finish, <i>lacquer or synthetic enamel</i> .....	Lacquer		
Hardware make .....	Ternstedt		
Speedometer make .....	AC		
Gasoline gauge make .....	AC		
Thermometer make .....	AC		
Car lock make .....	Briggs & Stratton, or Delco-Remy		
Car lock operates on <i>ignition or ignition and steering</i> .....	Ignition		
Clock make .....	Borg		
Cigar lighter make .....	Casco		
Safety glass make .....	L.O.F.		
Safety glass type, <i>laminated or tempered</i> .....	Safety Plate Glass		
In windshield .....	Laminated		
In side windows .....	Laminated		
In rear window .....	Laminated		
Bumper make .....	Gordon Mfg. Co., or Std. Steel		
Bumper guard make .....	Guide Lamp		
Car heater make .....	Harrison		
No. of tail lights included .....	2		
No. of visors included .....	2		
No. of horns included .....	2		
No. of windshield wipers included .....	2		
No. of windshield washers included .....	0		
No. of spare tires included .....	1		



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



**EXTERIOR**

Overall height, road to roof with no load .....	71-5/8"
Minimum height of floor in front compartment, no load .....	20-1/2"
Minimum height of floor in rear compartment, no load .....	19-3/8"
Distance between hinge centers, front door .....	21-1/2"
Distance between hinge centers, rear door .....	21-1/2"
Windshield opening height (A) .....	15"
Windshield opening width, to center strip if divided .....	23-1/2" Each
Width of front door, at handle (B) .....	39-3/8"
Width of rear door, at handle (C) .....	32-3/4"
Height of front door, maximum .....	49-1/2"
Height of rear door, maximum .....	49-1/2"
Height of window opening in front door, maximum (D) .....	14"
Width of window opening in front door, maximum (E) .....	31"
Height of window opening in rear door, maximum (F) .....	14-3/16"
Width of window opening in rear door, maximum (G) .....	27-1/8"
Height of rear quarter window opening, maximum (H) .....	13-3/8"
Width of rear quarter window opening, maximum (J) .....	24-1/4"
Height of rear window opening, maximum (K) .....	10-3/4"
Width of rear window opening, maximum (if divided list each) .....	19-5/8" Each

**INTERIOR**

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

Width of front seat cushion, measured 5 inches from back (L) .....	50"
Width of rear seat cushion, measured 5 inches from back (M) .....	51"
Depth of front seat cushion (N) .....	18-7/16"
Depth of rear seat cushion (O) .....	21-1/8"
Height of front seat cushion (P) .....	12-1/2"
Front seat horizontal adjustment, inches (Q) .....	4-7/16"
Front seat vertical adjustment, inches .....	3/4"
Height of rear seat cushion (R) .....	15-1/2"
Vertical distance between steering wheel and seat cushion (S) .....	6-1/2"
Head room at front seat, measured 5 inches from back (T) .....	37-7/8"
Head room at rear seat, measured 5 inches from back (U) .....	35-5/8"
Leg room in front seat, measured from 6 inches up on toe board (V) .....	40-2/16"
Leg room in rear seat, measured from center of foot rest (W) .....	44-1/8"
Width of left front pillar on diagonal with door closed .....	4-7/8"

**Note:** Cushion height and headroom taken 12" from centerline of car.

Make of Car **BUICK** Model **1940 SERIES 90** Date **Sept. 18, 1939**

**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 8-90	Roadster	Fisher	
	Phaeton		
	Two-door sedan	Murray	
	Four-door sedan		
	Coupe		
	Crescent 8-90	Coupe with rumble	Fisher
Cabriolet			
Roadster		Sudd	
Two-door sedan			
Four-door sedan			
		Coups	Fisher
		Coupe with rumble	
	Cabriolet	Fleetwood Letzer	
	Limousine		
	Landulet		

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 Diagram	No. of Doors	Body Make	Frame Work Steel or Wood	Top Panel 1 Integral With Roof Rails 2 Separate From Roof Rails	Luggage Compartment		SPARE WHEEL LOCATION 1 Back of Seat 2 Internal rear 3 External rear 4 Fender- well
											1 Behind Front Seat	2 In Rear Deck 3 Both Capacity Cu. ft.	
Limited 91	Tour. Sedan		6	140		4	4	Fisher	Steel	1	2	13	2
Limited 90	Tour. Sedan		8	140		5	4	"	&	1	2	13	2
Limited 90L	Limousine		8	140		5	4	"	Wood	1	2	13	2

**SEATING ARRANGEMENT  
DIAGRAM**

