

Automobile Manufacturers Association Consolidated Specification Questionnaire For 1950 Models Mechanical Details

Make of Car Buick Model Series 40 Special
Name of Maker Buick Motor Division Address Flint, Michigan

Date December 14, 1949

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 In-head
Bore 3-3/32" Stroke 4-1/8"
Cylinder head, cast iron or aluminum Cast Iron
Cylinder sleeve, Yes No X
Piston displacement 248.1 Cu. In.
Taxable horsepower 30.63
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 75)

—With Bare Engine— (See Note)

Maximum brake hp. 115 at 3600 R.P.M.

—With Standard Accessories—*

Maximum brake hp. 110 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. 212 at 2000 R.P.M.

With standard accessories,* lb. ft. 209 at 2000 R.P.M.

Compression Ratio—
Standard 6.6 to 1 Optional —

Standard compression pressure—pounds—
At cranking speed 114

At what R.P.M. 140 at 1000 R.P.M.

PISTONS and RINGS Sterling Aluminum Prod. Inc. Aluminum Alloys Corp., Aluminum Company of America, and Bohn Aluminum & Brass Corp.
Piston Make Aluminum Alloy

Material Aluminum Alloy

Features—~~split skirts, invar straps, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, porous chrome-plate, etc.~~ Cam Ground Turbulator Top-Trans.Slot

Weight—ounces—without rings, pin or bushing 13.776

Length 4.33

Clearance—

Top land .023" to .030"

Skirt, top .0021" bottom .0015"

PISTONS and RINGS (cont'd)

Piston ring groove depth—
Oil .166" Compression .166"
No. of oil rings used per piston 2
Width of oil rings Upper - .1875" Lower - .1865"
**Width of oil ring gap Upper - .015" Lower - .0015" (Segmental)
No. of compression rings used per piston 2
Width of compression rings .0938"
Width of compression ring gap .015"
Maximum wall thickness of oil rings Upper - .140" Lower - .155"
Maximum wall thickness of compression rings Upper - .160" Lower - .160"
Are ring expanders used, Yes No X

RODS and PINS

Wristpin—
Material C.D.S. 1115
Length 2.6875" Diameter .8127"
Locked in rod, piston or floating Locked in Rod
Clearance in piston .0003" to .0004"
Clearance in rod — to —

Connecting rod—
Length—center to center 7.6250"
Material 1145 Forged Steel
Weight—ounces 29.20

Crankpin journal—
Diameter 2" Length 1.212"

Lower bearing—
Material Durex 100-A
Clearance .0005" to .0018"
End play .005" to .010"
Ship—solid, laminated or none None
Spun or separate Separate

Rods and pistons removed from above or below Above

CRANKSHAFT

Material 1145 Steel Forging
Weight—stripped 87 Lbs.
Vibration dampener used—yes or no Yes
Type Laminated steel flywheel supported on steel leaf springs.

Note: Bare engine is without muffler or fan. **Lower oil ring is a steel "U"-Flex ring.

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CRANKSHAFT (cont'd)

Crankshaft counterweights used, number of 8
 Which main bearing takes thrust Center
 Crankshaft end play .004" - .008"
 Main bearing—
 Type: Cast-in or Slip-in X
 If slip-in: Removable from below Yes
 Necessary to align ream No
 Material Steel Backed Durez - 100-A
 Clearance .0005" - .0020"
 Shim—solid, laminated or none None
 Main bearing journal diameter x length—
 No. 1 2.3125" x 1.2656"
 No. 2 2.375" x .9375"
 No. 3 2.4375" x 1.625"
 No. 4 2.500" x .9375"
 No. 5 2.5625" x 1.7813"
 No. 6
 No. 7
 No. 8
 No. 9
 Crankshaft gear or sprocket—
 Make Link Belt
 Material C.D.S. #1112

CAMSHAFT

Camshaft gear or sprocket—
 Make Link Belt
 Material Cast Iron 13M
 Timing chain—
 Make Link Belt
 Number of links 49
 Width 13/16"
 Pitch .500"

VALVES

INTAKE VALVE—

Make Thompson, Rich or Eaton
 Material 3140
 Overall length 5.1094"
 Actual overall diameter of head 1.5313"
 Minimum port diameter 1.125"
 Angle of seat 45°
 Is valve seat an insert? No
 Stem diameter .3720"
 Stem to guide clearance .0015" to .0035"
 Lift .348"
 Spring pressure and length—
 Outer—

VALVES (cont'd)

With valve closed—lb. 32 ins. 1.9375"
 With valve open—lb. 77 ins. 1.5938"
 Length out of engine—ins. 2.3438"
 Inner—
 With valve closed—lb. 20 ins. 1.6563"
 With valve open—lb. 51 ins. 1.3125"
 Length out of engine—ins. 1.9063"

EXHAUST VALVE—

Make Thompson, Eaton or Rich
 Material XCR or 2112N
 Overall length 5.1094"
 Actual overall diameter of head 1.3438"
 Minimum port diameter 1.0313"
 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. 32 ins. 1.9375"
 With valve open—lb. 77 ins. 1.5938"
 Length out of engine—ins. 2.3438"
 Inner—
 With valve closed—lb. 20 ins. 1.6563"
 With valve open—lb. 51 ins. 1.3125"
 Length out of engine—ins. 1.9063"
 Operating tappet clearance (hot or cold)—intake Hot .015"
 Tappet clearance for valve timing—intake .015"
 Operating tappet clearance (hot or cold)—exhaust Hot .015"
 Tappet clearance for valve timing—exhaust .015"
 Hydraulic valve lifters—yes or no No
 Valve timing—
 Intake opens 13 degrees BUDC piston travel inches
 Intake closes 68 " ALDC " " inches
 Exhaust opens 55 " BLDC " " inches
 Exhaust closes 22 " AUDC " " inches
 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
 Wristpins—yes or no No
 Camshaft bearings—yes or no Yes
 Tappets—yes or no No

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LUBRICATION (cont'd)

Timing gear or chain lubrication—*positive or splash* **Positive**
 Oil pump type **Gear**
 Oil grade recommended—*SAE viscosity and temperature range—*
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. 5W or 10W + 10% Kero-
sense
 Normal oil pressure—*lbs. at M.P.H.* **35 at 35 M.P.H.**
 Pressure at which relief valve opens **35**
 ** Capacity of oil reservoir—*quarts, dry* **6-1/2** *refill* **5-1/2**
 Oil pressure gauge make **A.C.**
 Oil reservoir level gauge type **Stick**
 Floating type oil intake—*yes or no* **Yes**
 External oil filter make **A.C.**
 Other type of oil cleaner **None**
 Oil cooler make **None**
 Chassis lubrication—*Make* **Lincoln Mfg.**

FUEL

Gasoline tank—*capacity* **19 Gallons**
 Fuel feed—
 Type—*vacuum tank, electric pump, gravity vacuum pump or camshaft pump* **Camshaft Pump**
 Make **A.C.** Model **Type AH**
 Carburetor—
 Make **Stromberg or Carter** Model **AAIYB-267 or WCD-725S**
 Number used **1**
 Size **1.125"**
 Type—
 Up or down draft **Down** Single or dual **Dual**
 Intake manifold heat control—*manual, automatic or none* **Automatic**
 Automatic choke, make **Stromberg or Carter** Model **A.C.**
 Air cleaner—intake silencer make **A.C.**
 Type—*dry felt; oil bath; oil coated fibre* **Oil Bath**
 Heavy Duty type—*Make* Model
 Muffler make **Walker or Hayes**
 Tail pipe diameter **2"**

COOLING

Water pump—
 Type **Centrifugal Ball Bearing-Spring Loaded**
 Drive **Single Belt Seal**
 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 **Vee Cellular**
 Make **Harrison**

COOLING (cont'd)

	Without Heater	With Heater
Cooling system— <i>capacity, quarts</i>	13	14-1/4
Water jackets full length of cylinders— <i>yes or no</i>	No	No
Water all around cylinder— <i>yes or no</i>	No	Yes
Lower radiator hose—		
Inside diameter	1.5625"	Length Elbow Type
Upper radiator hose—		
Inside diameter	1.5625"	Length Elbow Type
Fan belt—		
Make	Various	
Angle of vee		
Length, outside		Width, maximum .750"
Fan—		
Make	Hayes Industries	
No. of Blades	4	

IGNITION

Ignition units—
 Make **Delco Remy** Model **1110815**
 Manual or octane selector, *degrees advance* **—** *retard* **—**
 Maximum centrifugal advance crankshaft, *degrees* **22-26**
at 3000 engine R.P.M.
 Inches of Mercury Necessary to operate Vacuum Advance (Plus or minus 1 inch) **6 to start; 12 for full travel**
 Maximum Vacuum advance crankshaft, *degrees* **10-12**
 Breaker gap **.015"** Breaker arm tension **19-23 oz.**
 Cam angle ***** *deg.*
 Timing—*Breaker points open* **4** *degrees crankshaft rotation*
or inches piston travel (after or before) top center
with volume selector in the 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 **4.50**
 With engine idling **2.50**
 Spark plug—
 Thread—*10 m.m., 14 m.m. or 18 m.m.* **14 MM**
 Make **A.C.** Model **48**
 Gap **.025"**
 Ignition cable make **Packard Electric**

BATTERY

Make **Delco Remy** Model **15E4-W**
 Capacity—*ampere hours* **100** *@ 20 hour rate*
 Number of plates per cell **15**
 Bench charging rate—
 Start **1 Amp. per Pos.** Finish **1 Amp. per Pos.**
 Which battery terminal is grounded **Negative** *Plate*
 Location of battery **Under Hood**

* Do not recommend using a dwell meter for checking point opening.

** Add 1-1/2 Qts. for dry oil filter.

Make of Car. **Brick** Model **Series 40 Special** Date **December 14, 1949**

STARTING MOTOR

Make **Delco Remy** Model **1107078**
 Normal engine cranking speed **90 R.P.M.**
 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 **5.67** R.P.M. **5000**
 Type of drive—~~Belt~~ **or sliding gear with overrunning clutch**
 Starting device—~~Solenoid, manual~~ **Solenoid**
 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
 Starting motor pinion meshes front or rear **Front**
 No. of teeth in flywheel **146**
 Face width of flywheel teeth **.547"**
 Gear ratio between starter armature and flywheel **16.22 to 1**

GENERATOR

Make **Delco Remy** Model **1102709**
 Type—~~third brush, shunt, etc.~~ **Shunt**
 Brush spring tension **24 - 32 Oz.**
 Current regulator, voltage regulator or current and voltage control unit **Current and Voltage**
 Maximum controlled charging rate
 Temperature **Hot**
 Amperes **40**
 Voltage **8**
 R.P.M. **2400 Approx.**
 Cutout relay—
 Voltage at closing **6.1 - 6.8 at 150°F.**
 Amperes to open, reverse current **-1 to -6**
 Air gap **.020"**
 Voltage regulator—
 Volts **7.4**
 Temperature **150°F**
 Air gap **.075**
 Current regulator—
 *Amperes **40-46**
 Temperature **150°F.**
 Air gap **.075**
 Car speed for maximum charging rate **25 M.P.H. Approx.**
 Ammeter or charge indicator make **A.C.**

LAMPS

Lighting switch make **Delco Remy**
 Are tail and dash lights in series **No - Parallel**
 Headlights—
 Make **Guide Lamp**
 Location—*in fender, in catwalk, or radiator shell* **In Fender**
 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 Remy**
 Amperage draw of each **Left 17-19 Right 19-21**

CLUTCH

Make **Brick (Disc by Long or Borg & Beck)**
 Drive type—
 Direct to flywheel face **Yes**
 Through fluid flywheel **No**
 Semi-centrifugal **No**
 Power operated unit—make **None**
 Vibration insulation or neutralizer—*fabric, rubber blocks or springs* **Springs**
 No. of clutch driving discs **One and Flywheel**
 No. of clutch driven discs **One**
 Clutch facing—
 Material—*woven or moulded asbestos, cork* **Woven**
 Inside diameter **6"**
 Outside diameter **10"**
 Thickness **.125"**
 No. required **2**

TRANSMISSION

Transmission—
 Make **Own** Model **Series 40**
 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* **Direct**
 Transmission ratio—
 In overdrive — In second **1.66 - 1**
 In third **Direct** In fourth —
 In low **2.67 - 1** In reverse **3.02 - 1**

* At 8 Volts - Voltage Regulator not operating.

1950 MODEL SPECIFICATIONS

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TRANSMISSION (cont'd)

Constant mesh gears on second **Yes**
 Spur or helical gears—
 For second speed **Helical**
 For first speed **N**
 For reverse speed **N**
 For all speeds **N**
 Synchronous meshing and third gears **Yes**
 Transmission oil—
 Capacity—pints **1-3/4**
 Grade recommended—S.A.E. viscosity
 Summer ***** Winter *****
 Universal joints—
 Make **Saginaw or Spicer**
 Number used **One**
 Type—metal with anti-friction bearing or metal with plain bearing **Metal with Plain Bearing**
 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 40**
 Type—Semi, full or three-quarter floating **Semi-floating**
 Minimum road clearance under center of rear axle—tires inflated **7.76"**

Rear axle oil—
 Capacity—pints **4**

**S.A.E. 90 Hypoid Gear Lubricant GM 4655M
 Grade and type recommended—S.A.E. viscosity
 Summer **90** Winter **80**

Type of gearing—spiral bevel, worm, hypoid **Hypoid**
 Gear ratio—standard 5-passenger 4-door sedan **4.1 - 1**
 Optional gear ratios **3.9 - 1**
 Number of teeth—
 In ring gear **41** **10**
 In pinion **43** **11**
 How is pinion adjusted—screw or shims **Shims**
 How is pinion bearing adjusted—screw or shims **None**
 Are pinion bearings carried in sleeve **No**
 Backlash between pinion and ring gear **.006"** to **.010"**

TIRES and WHEELS

Tires—
 Make **U.S., Firestone & Goodrich**
 Size **7.60 - 15** No. of plies **4**

* "All Purpose" Gear Lubricant; SAE 90 for temperature not lower than -10°F. and SAE 80 for temperatures lower than -10°F.

** Seasonal changes are not recommended.

*** For winter driving, add 2 Lbs. to above tire pressures.

TIRES and WHEELS (Cont'd)

	Cold	Warm	Cold	Warm
*** Inflation pressure—Front	24	27	Rear 24	27
Rim—Diameter	15"		Width	6.00"L

SPRINGS

FRONT SPRING—

Independent or conventional suspension **Independent**
 Type—coil, semi-elliptic, transverse, torsion **Coil**
 Make **Own**
 Material **Steel 9260**
 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 **14.750"**
 Length under curb weight **9.250"**

REAR SPRING—

Independent or conventional suspension **Coil Spring Susp.**
 Type—coil, semi-elliptic, transverse, torsion **Coil**
 Make **Own**
 Material **Steel 9260**
 Torsional stabilizer at rear **No**
 If leaf—
 Length Width
 Number of leaves—5-passenger, 4-door sedan
 Spring leaves lubricated with
 Spring cover, Yes **No**
 Spring shackles—
 Front—Type Make
 Rear—Type Make
 Spring bolts—
 Type
 If coil—
 Free length **19.375"**
 Length under curb weight **9.563"**
 Rate for above **107** pounds per inch

Shock absorbers—

Make **DuCo**
 Type, one way with lever, two way with lever, or direct acting
 Front **Two-way with lever**
 Rear **Two-way with lever**
 Fluid capacity (oz.)—front **165 CC** rear **165 CC**

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STEERING

Steering gear—
 Type **Ball Bearing Worm & Nut**
 Make **Saginaw** Model **Series 40**
 Ratio **19.8 - 1**
 Lubricant recommended **Steering Gear Lubricant**
 Steering wheel diameter **18"**
 Drag link longitudinal or transverse **None**
 Tie rod—one or two **2**
 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 **19.75**
 Caster—degrees **Positive 1/4** to **Positive 1-1/2**
 Camber—degrees or 7/8 Pos. inches to 5/8 Neg. **1/16"** to **1/8"**
 Toe-in—**1/16"** to **1/8"**
 Crosswise inclination of kingpin—degrees **4-1/4** at **3/8** Camber
 Front axle—
 Make Model
 Section type—**I-beams, tubular or none**
 End type—**Elliott or reverse Elliott**
 Minimum road clearance—**tires inflated 6.82"**

BRAKES

Foot brakes—
 Make **Bendix or Delco**
 Type of mechanism, **hydraulic or mechanical** **Hydraulic**
 If vacuum booster is standard, state make **None**
 Brake lining moulded, semi-moulded or woven—
 Primary shoe **Moulded**
 Secondary shoe **Moulded**
 Drum—
 Material **Cast Iron** Diameter **12"**
 Lining—
 Length per wheel **23.0625"**

BRAKES (cont'd)

Width **1.750"** Thickness **.1875"**
 Clearance—**for .015"** **heel .015"**
 Total foot braking area **161.5 Sq. In.**
 Percent braking power on rear wheels **47**
Parking Brake
 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 5.5625"**
 Thickness—**maximum .1094"**
 Flange width—**maximum 2.250"**
 Wheelbase **121.5"**
 Tread—
 Front **59.1"**
 Rear **62.2"**
 Weight of standard 5-passenger, four-door sedan—
 Shipping
 Curb
 Price of standard 5-passenger, 4-door sedan
 First serial number, this series **See Note**
 Serial number location **Plate on L. Frt. Door Pillar and stamped on Left Side Rail - near Front.**
 Overall length of car—
 With bumpers and bumper guards **204"**
 Overall width of car **79.4"**
 Overall height, road to roof with no load **63.9"**

Note: Flint 1-5360001; Southgate 2-5370001; Linden 3-5374001; Kansas City 4-5380001; Wilmington 5-5388001; Atlanta 6-5393001; Framingham 7-5397001.

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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 885156
 Size or number 954208
 Fan bearing—
 Make or type
 Size or number
 Starting motor commutator end bearing—
 Make or type Oilless Bushing
 Size or number .750" x .563" x .9688"
 Starting motor drive end bearing—
 Make or type Oilless Bushing
 Size or number .500" x .562" x .7813"
 Starting motor outboard bearing—
 Make or type
 Size or number
 Generator commutator end bearing—
 Make or type Bushing
 Size or number .5625" x .7835" x .7969"
 Generator drive end bearing—
 Make or type New Departure 3203
 Size or number 903203
 Transmission main drive gear front pilot bearing—
 Make or type New Departure 7109
 Size or number 907109
 Clutch throwout bearing— CTL-48 BCA or New Departure
 Make or type 1308159 or 954222
 Size or number
 Transmission main drive gear rear bearing—
 Make or type New Departure 47507 -X57
 Size or number 954144
 Transmission main shaft front pilot bearing—
 Make or type Roller
 Size or number 1294780
 Transmission main shaft rear bearing—
 Make or type New Departure 3206
 Size or number 903206
 Transmission countershaft front bearing—
 Make or type Roller
 Size or number 1302154
 Transmission countershaft rear bearing—
 Make or type Roller
 Size or number 1302154
 Transmission reverse idler bearing—
 Make or type Bushing

BEARINGS (cont'd)

Size or number 1307898
 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 905607
 Rear axle pinion shaft rear bearing—
 Make or type Hyatt - two used
 Size or number 126047
 Differential right bearing—
 Make or type Bower or Hyatt
 Size or number 1317716 or 187434
 Differential left bearing—
 Make or type Bower or Hyatt
 Size or number 1317716 or 187434
 Rear wheel inner bearing—
 Make or type None
 Size or number
 Rear wheel outer bearing—
 Make or type Hyatt
 Size or number 111121
 Front wheel inner bearing—
 Make or type New Departure
 Size or number 909062
 Front wheel outer bearing—
 Make or type New Departure
 Size or number 909025
 Kingpin upper bearing—
 Make or type Split Bushing
 Size or number 1266949
 Kingpin lower bearing—
 Make or type Split Bushing
 Size or number 1266949
 Kingpin thrust bearing—
 Make or type Hoover 3021 or Nice 4984
 Size or number #148393 or 134630

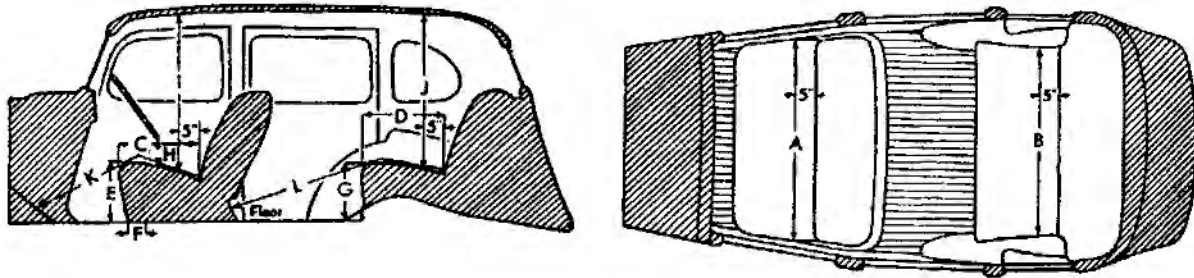
Make of Car.....**Buick**..... Model **Series 40 Special**..... Date **December 14, 1949**

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 40		
Lacquer make	Duco		
Body finish, lacquer or synthetic enamel	Lacquer		
Fender finish, lacquer or synthetic enamel	Lacquer		
Hardware make	Ternstedt		
Speedometer make	A. C.		
Gasoline gauge make	A. C.		
Thermometer make	A. C.		
Car lock make	Briggs & Stratton or Delco	Remy	
Car lock operates on ignition or ignition and steering	Ignition		
Clock make	Borg or New Haven		
Cigar lighter make	Casco or Rochester		
Safety glass make	L.O.F.		
Safety glass type, laminated or tempered	Safety Plate Glass		
In windshield	Laminated		
In side windows	Laminated		
In rear window	Tempered		
Bumper make	Standard Steel Spg. Co. or	Gordon Mfg. Co.	
Bumper guard make	Brown, Lipe, Chapman		
Car heater make	Type		
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	One		

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



INTERIOR

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

Width of front seat cushion, measured 5 inches from back (A)	63.8"
Width of rear seat cushion, measured 5 inches from back (B)	63.0"
Depth of front seat cushion (C)	17.9"
Depth of rear seat cushion (D)	17.9"
Height of front seat cushion measured 12½ inches from center line of body (E)	13.36"
Front seat horizontal adjustment, inches (F)	4.00"
Front seat vertical adjustment, inches25"
Height of rear cushion measured 12½ inches from center line of body (G)	11.83"
Vertical distance steering wheel and seat cushion (H)	4.8"
Head room at front seat, measured 5 inches from back (I)	35.1"
Head room at rear seat, measured 5 inches from back (J)	34.8"
Leg room in front seat, measured from 6 inches up on toe board, following contour of seat cushion (K)	43.3"
Leg room in rear seat, measured from center of foot rest, following contour of seat cushion (L)	39.7"
Trunk capacity, cubic feet	—
Width of left front pillar on diagonal with door closed	3.06"

