Automobile Manufacturers Association
Consolidated Specification Questionnaire
For 1951 Models
Mechanical Details

Make of Car: Buick — Model: Series 70 Roadmaster

Name of Maker: Buick Motor Division — Address: Flint, Michigan

Date: January 2, 1951

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: 3.437" — Stroke: 4.312"

Cylinder head, cast iron or aluminum: Cast Iron

Cylinder sleeve, Yes: — No: X

Piston displacement: 320.2 Cu. In.

Taxable horsepower: 37.81

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: 80)

—With Bare Engine— (See Note)

Maximum brake hp.: 152 at 3600 R.P.M.

—With Standard Accessories—*

Maximum brake hp.: 144 at 3400 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.: 280 at 2000 R.P.M.

With standard accessories,* lb. ft.: 274 at 2000 R.P.M.

Compression Ratio—

Standard: 7.2 to 1 — Optional:

Standard compression pressure —*pounds*—

At cranking speed: 120

At what R.P.M.: 160 at 1000 R.P.M.

PISTONS and RINGS

Piston Make: Sterling Aluminum Products Inc., Aluminum Company of America, and Bohn Aluminum and Brass Corporation

Material: Aluminum Alloy

Features—~~*split skirt, invar strut, 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*: 17.94

Length: 4.56"

Clearance—

Top *land*: .026" to .034"

Skirt, *top*: .0020" *bottom*: .0014"

PISTONS and RINGS (cont'd)

Piston ring groove depth—

Oil: .182" Compression: .182"

No. of oil rings used per piston: 2

Width of oil rings: Upper – .1875" Lower – .1865"

**Width of oil ring gap: Upper – .015" Lower – .0017" (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 – .150" Lower – .170"

Maximum wall thickness of compression rings: Upper–.170" Lower–.150"

Are ring expanders used, Yes: — No: X

RODS and PINS

Wristpin—

Material: C.D.S. 1115

Length: 3.0625" Diameter: 8.747"

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*: 8.25"

Material: 1145 Forged Steel

Weight—*ounces*: 36.272

Crankpin journal—

Diameter: 2.25" Length: 1.306"

Lower bearing—

Material: Durex 100-A

Clearance: .0005" *to* .0016"

End play: .005" *to* .010"

Shims—~~*Slip*~~—*solid, laminated or none*: None

Spun or separate: Separate

Rods and pistons removed from above or below: Above

CRANKSHAFT

Material: 1145 H.R.S. Steel Forging

Weight—*stripped*: 116.4 Lbs.

Vibration dampener used—*yes or no*: Yes

Type: Laminated steel flywheel supported on steel leaf springs.

** Lower oil ring is a steel "U"-Flex Ring.

Note: Bare engine is without fan and muffler.

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

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 Durex - 100A
Clearance .0006" - .0020"
Shim—*solid, laminated or none* None
Main bearing journal diameter x length—
No. 1. 2.5625" x 1.2812"
No. 2 2.625" x .9687"
No. 3 2.6875" x 1.4687"
No. 4 2.750" x .9687"
No. 5 2.8125" x 2.4687"
No. 6
No. 7
No. 8
No. 9
Crankshaft gear or sprocket—
Make Link Belt
Material C.D.S. #1140

CAMSHAFT

Camshaft gear or sprocket—
Make Link Belt
Material Cast Iron 13M
Timing chain—
Make Link Belt
Number of links 50
Width .812"
Pitch .500"

VALVES

INTAKE VALVE—
Make Thompson, Rich or Eaton
Material 3140
Overall length 5.250"
Actual overall diameter of head 1.7812"
Minimum port diameter 1.375"
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—
With valve closed—*lb.* 52 *ins.* 1.9375"
With valve open—*lb.* 120 *ins.* 1.5938"
Length out of engine—*ins.* 2.380"
Inner—
With valve closed—*lb.* 24 *ins.* 1.660"
With valve open—*lb.* 52 *ins.* 1.320"
Length out of engine—*ins.* 2.100"

VALVES (cont'd)

EXHAUST VALVE—
Make Thompson, Eaton or Rich
Material XCR or 2112N
Overall length 5.250"
Actual overall diameter of head 1.4375"
Minimum port diameter 1.0625"
Angle of seat 45°
Is valve seat an insert? No Material
Stem diameter .3715"
Stem to guide clearance .0021" *to* .0039"
Lift .348"
Spring pressure and length—
Outer—
With valve closed—*lb.* 52 *ins.* 1.9375"
With valve open—*lb.* 120 *ins.* 1.5938"
Length out of engine—*ins.* 2.380"
Inner—
With valve closed—*lb.* 24 *ins.* 1.660"
With valve open—*lb.* 52 *ins.* 1.320"
Length out of engine—*ins.* 2.100"
Operating tappet clearance (hot or cold)—*intake* —
Tappet clearance for valve timing—*intake* —
Operating tappet clearance (hot or cold)—*exhaust* —
Tappet clearance for valve timing—*exhaust* —
Hydraulic valve lifters—*yes or no* Yes
Valve timing—
Intake opens 14 *degrees* BUDC *piston travel* *inches*
Intake closes 71 " ALDC " " *inches*
Exhaust opens 56 " BLDC " " *inches*
Exhaust closes 25 " 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

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

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%
Normal oil pressure—*lbs. at M.P.H.* 35 at 35 M.P.H. Kerosene
Pressure at which relief valve opens 35
** Capacity of oil reservoir—*quarts, dry* 8 *refill* 7
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 AJ
Carburetor— AAVB-267 or
Make Stromberg or Carter Model WCD-726SA
Number used 1
Size 1.250"
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
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 Seal
Drive Single 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 Vee Cellular
Make Harrison

COOLING (cont'd)

	Without Heater	With Heater
Cooling system—*capacity, quarts*	18	19.5

Water jackets full length of cylinders—*yes or no* No
Water all around cylinder—*yes or 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 1"
Fan—
Make Hayes Industries No. of Blades 5

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 *
Timing—Breaker *points open* 6 *degrees crankshaft rotation*
~~*on inches piston travel (after or before) top center with octane 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 46X
Gap .025"
Ignition cable make Packard Electric

BATTERY

Make Delco Remy Model 17E4-W
Capacity—*amepere hours* 120 @ 20 *hour rate*
Number of plates per cell 17
Bench charging rate—
Start 1 Amp per Pos. Plate Finish 1 Amp per Pos. Plate
Which battery terminal is grounded Negative
Location of battery Under Hood

* Do not recommend using a dwell meter for checking point opening.
** Add 1-1/2 quarts for dry oil filter.

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

STARTING MOTOR

Make Delco Remy Model 1107981
Normal engine cranking speed 90 R.P.M.
Brush spring tension 24 - 28 Oz.
Lock test—
Amperage draw 600
Volts 3
Torque in pounds feet 16
No load test—
Amperage draw 65
Volts 5.67 R.P.M. 5500
Type of drive—*Bendix or sliding gear with overrunning clutch*
Starting device—*Solenoid, manual, etc.* Solenoid
Starter operation—check items required to start engine
1. Turn on ignition 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 156
Face width of flywheel teeth .670"
Gear ratio between starter armature and flywheel 17.33 - 1

GENERATOR

Make Delco Remy Model 1102754
Type—*third brush, shunt, etc.* Shunt
Brush spring tension 24 - 32 Oz.
Current regulator, voltage regulator or current and voltage control unit Current & 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 No Clutch
Drive type—
Direct to flywheel face
Through fluid flywheel
Semi-centrifugal
Power operated unit—make
Vibration insulation or neutralizer—*fabric, rubber blocks or springs*
No. of clutch driving discs
No. of clutch driven discs
Clutch facing—
Material—*woven or moulded asbestos, cork*
Inside diameter
Outside diameter
Thickness
No. required

TRANSMISSION

Transmission—
Make Own Model Series 70
No. of forward speeds Infinite Variable
Manual shift—*yes, no* Yes
Automatic or auxiliary shifting mechanism—*yes* X *no*
If yes, Make Dynaflow Drive
Type—*centrifugal, vacuum, electric or hydraulic* 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* 1 - 1
** Transmission ratio—
In overdrive In second
In third In fourth
In low In reverse

* At 8 Volts - Voltage regulator not operating.

** Maximum Converter Torque Ratio 2.24 - 1. Ratio in high 1 x Torque Ratio. Ratio in low 1.82 x Torque Ratio. Ratio in reverse 1.82 x Torque Ratio.

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

TRANSMISSION (cont'd)

Constant mesh gears on second
Spur or helical gears—
For second speed
For ~~first~~ low speed Helical - Planetary Set
For reverse speed Helical - Planetary Set
For all speeds
Synchronous meshing and third gears
Transmission oil—
Capacity—*pints* 22
Grade recommended—*S.A.E. viscosity*
Summer * Winter *
Universal joints—
Make Saginaw
Number used One
Type—*metal with anti-friction* Metal with
bearing or metal with plain bearing 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 70
Type—*Semi, full or three-quarter floating* Semi-Floating
Minimum road clearance under center of rear axle—*tires inflated* 8.26"
Rear axle oil—
Capacity—*pints* 4
Grade and type recommended—*S.A.E. viscosity*
Summer **S.A.E. 90 Hypoid Gear Lubricant GM 4655M Winter
Type of gearing—*spiral bevel, worm, hypoid* Hypoid
Gear ratio—*standard 5-passenger 4-door sedan* 3.9 - 1
Optional gear ratios 3.6 - 1
Number of teeth— 43 11
In ring gear 47 In pinion 13
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 or Goodrich
Size 8.00 - 15" No. of plies 4

TIRES and WHEELS (Cont'd)

	Cold	Warm	Cold	Warm
*** Inflation pressure—Front	24	27	Rear 24	27

Rim—Diameter 15" Width 6.50"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 15.0"
Length under curb weight 9.25"

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 9.562"
Rate for above 117 *pounds per inch*
Shock absorbers—
Make Delco
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

* Dynaflow Fluid.
** Seasonal changes are not recommended.
*** For winter driving add 2 Lbs. to above tire pressures.

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

STEERING

Steering gear—
- Type: Ball Bearing Worm and Nut
- Make: Saginaw Model: Series 70
- Ratio: 23.6 - 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: 5.25
Car turning radius—~~feet—right, left or both~~: 20.9
Caster—*degrees*: 1/4 Pos. *to* 1-1/2 Pos.
Camber—*degrees or* ~~inches~~: 7/8 Pos. *to* 5/8 Neg.
Toe-in—*inches*: 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*: 7.28"

BRAKES

Foot brakes—
- Make: Duo-Servo Single Anchor
- 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—
Effective Length per wheel: 23.062" (Segments)
Width: 2.25" Thickness: .1875"
Clearance—*toe*: .015" *heel*: .015"
Effective Total foot braking area: 207.5 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*: 5.56"
- Thickness—*maximum*: .150"
- Flange width—*maximum*: 2.25"

Wheelbase: 126.2"
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 Lt. Frt. Door Pillar - stamped on Left Side Rail - Near Front
Overall length of car—
- With bumpers and bumper guards: 211"

Overall width of car: 80.0"
Overall height, road to roof with no load: 63.3"

Note: Flint 1-6031301; Southgate 2-6050001; Linden 3-6055001; Kansas City 4-6061001; Wilmington 5-6070001; Atlanta 6-6075001; Framingham 7-6080001.

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

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 and fan 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: .563" x .625" x .8437"

Starting motor ~~outboard~~ middle bearing—
- Make or type: Oilless Bushing
- Size or number: .7575" x .812" x .7187"

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:
- Size or number:

Clutch throwout bearing—
- Make or type:
- Size or number:

Transmission ~~main drive gear rear bearing~~ Pilot Bearing in Primary Pump Cover—
- Make or type: New Departure 3L04L1A
- Size or number: 954439

Transmission ~~countershaft front bearing~~ Front Pump Body—
- Make or type: Bushing
- Size or number: 1331471

Transmission ~~main shaft rear bearing~~ Reverse Ring Gear—
- Make or type: Bushing
- Size or number: 1333074

Transmission ~~countershaft rear bearing~~ Rear Bearing Retainer—
- Make or type: Bushing
- Size or number: 1333719

Transmission ~~countershaft rear bearing~~ Brake Drum High and Low—
- Make or type: Bushing
- Size or number: 1333007

Transmission ~~reverse idler bearing~~ Case—
- Make or type: Bushing
- Size or number: 1335065

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: Nice 4984
- Size or number: 134630

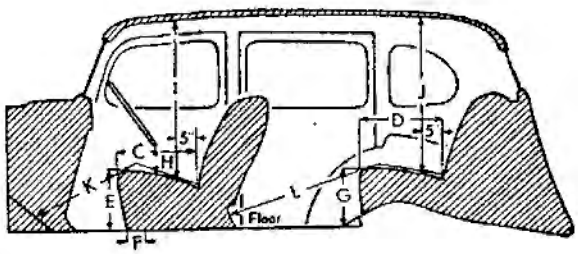
Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

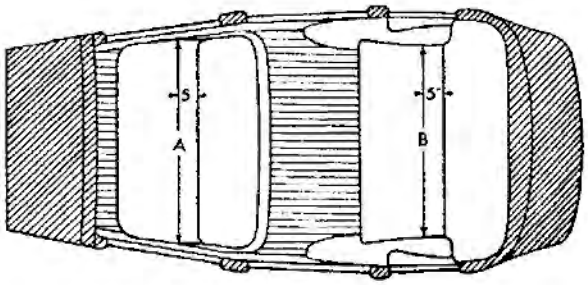
NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed *with its additional price*.
(2) Enter on top line your own model name, or series mark corresponding to Standard, DeLuxe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

EQUIPMENT	Models		
	Standard	DeLuxe	Custom
Catalog Designation of Model	Series 70		
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 *mechanical or electrical*	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 Spring 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	1		

Make of Car Buick Model Series 70 Roadmaster Date January 2, 1951

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)~~ (Hip Room)	64.4"
Width of rear seat cushion, ~~measured 5 inches from back (B)~~ (Hip Room)	64.9"
Depth of front seat cushion (C)	17.6"
Depth of rear seat cushion (D)	17.9"
Height of front seat cushion measured 12½ inches from center line of body (E)	12.8"
Front seat horizontal adjustment, inches (F)	4.00"
Front seat vertical adjustment, inches	.25"
Height of rear cushion measured 12½ inches from center line of body (G)	12.4"
Vertical distance steering wheel and seat cushion (H)	5.0"
Head room at front seat, measured 5 inches from back (I)	37.0"
Head room at rear seat, measured 5 inches from back (J)	36.1"
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)	43.0"
Trunk capacity, cubic feet	—
Width of left front pillar on diagonal with door closed	3.06"

Make of Car ..... Buick ..... Model Series 70 Roadmaster ... Date . January 2, 1951

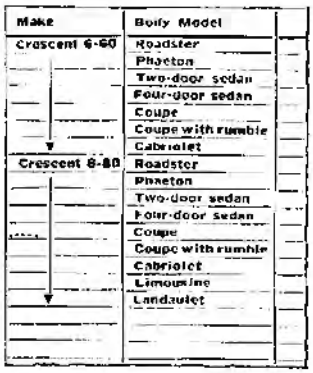
BODY DETAIL AND EQUIPMENT FORMS

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 Passengers	Wheelbase	Shipping Weight	Seating Arrangement Number See Below	Body Make
Roadmaster 76C	Convertible Coupe		6	126.2"		3	Fisher
Roadmaster 76R	Riviera		6	126.2"		3	Fisher
Roadmaster 72R	4-Door Sedan		6	130.2"		4	Fisher
Roadmaster 79	Estate Wagon		6	126.2"		4	Ionia Mfg. Co.

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.