

Automobile Manufacturers Association

Consolidated Specification Questionnaire

For 1951 Models

Mechanical Details

Make of Car..... Buick Model..... Series 50 Super

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..... 3.187" Stroke..... 4.125"

Cylinder head, cast iron or aluminum..... Cast Iron

Cylinder sleeve, Yes..... No..... X

Piston displacement..... 263.3 Cu. In.

Taxable horsepower..... 32.51

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..... 124 at..... 3600 R.P.M.

—With Standard Accessories—*

Maximum brake hp..... 119 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. 220 at..... 2000 R.P.M.

With standard accessories,* lb. ft. 217 at..... 2000 R.P.M.

Compression Ratio—

Standard..... 6.9 to 1 Optional..... —

Standard compression pressure —pounds—

At cranking speed..... 118

At what R.P.M. 150 at..... 1000 R.P.M.

PISTONS and RINGS Sterling Aluminum Prod. Inc.,

Piston..... Aluminum Co. of America, and Bohn

Make..... Aluminum and Brass Corporation

Material..... Aluminum Alloy

Features..... ~~split skirt, innum. studs, 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..... 13.44

Length..... 3.76"

Clearance—

Top land..... .019" to..... .027"

Skirt, top..... .0018" bottom..... .0012"

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

Note: Bare engine is without muffler or fan.

PISTONS and RINGS (cont'd)

Piston ring groove depth—
Oil..... .165" Compression..... .165"

No. of oil rings used per piston..... 2

Width of oil rings Upper -..... .1875" Lower -..... .1865"

** Width of oil ring gap Upper -..... .015" Lower -..... .0018" (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 ring Upper..... .147" 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..... 7.3750"

Material..... 1145 Forged Steel

Weight—ounces..... 28.096

Crankpin journal—

Diameter..... 2.125" Length..... 1.030"

Lower bearing—

Material..... Durex 100-A

Clearance..... .0005" to..... .0016"

End play..... .005" to..... .010"

Shim—~~chip~~—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..... 93 Lbs.

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

Type..... Laminated steel flywheel supported

on steel leaf springs.

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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 Durex - 100-A
 Clearance .0006" - .0020"
 Shim—*solid, laminated or none* None
 Main bearing journal diameter x length—
 No. 1 2.5625" x 1.2656"
 No. 2 2.5625" x 1.0312"
 No. 3 2.5625" x 1.5469"
 No. 4 2.5625" x 1.0312"
 No. 5 2.5625" x 1.7812"
 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 49
 Width .812"
 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.* 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"

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 .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 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%**
 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 **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 AJ**
 Carburetor— **Stromberg or AAUVB-267 or**
 Make **Carter** Model **WCD-725SA**
 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
 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—capacity, quarts **12 13.5**
 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 **.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 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 **15E4-W**
 Capacity—ampere hours **100** @ 20 hour rate
 Number of plates per cell **15**
 Bench charging rate—
 Start. Amp. per Pos. Plate **Final 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.

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STARTING MOTOR

Make Delco Remy Model 1107097
 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—~~Bendix~~ 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 146
 Face width of flywheel teeth .545"
 Gear ratio between starter armature and flywheel 16.22 to 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 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—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 Buick (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 Noven
 Inside diameter 6"
 Outside diameter 10"
 Thickness .125"
 No. required 2

TRANSMISSION

Transmission—
 Make Own Model Series 50
 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.

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TRANSMISSION (cont'd)

Constant mesh gears on second Yes
 Spur or helical gears—
 For second speed Helical
 For first speed Helical
 For reverse speed Helical
 For all speeds Helical
 Synchronous meshing/and third gears Yes
 Transmission oil—
 Capacity—pints 1.75
 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 50
 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
 Grade and type recommended—S.A.E. viscosity
 **S.A.E. 90 Hypoid Gear Lubricant GM 4655M
 Summer 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—
 In ring gear 43 11
 In pinion 47 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 gear006" to .010"

TIRES and WHEELS

Tires—
 Make U. S., Firestone or 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	6.50"	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 14.75"
 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 107 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

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STEERING

Steering gear—
 Type Ball Bearing Worm & Nut
 Make Saginaw Model Series 50
 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 4.5
 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.
 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 6.82"

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—
 Length per wheel 23.0625"

BRAKES (cont'd)

Width 1.750" Thickness .1875"
 Clearance—top .015" heel .015"
 Total foot braking area 161.5 Sq. In.
 Parking brake Hand lever operates on—transmission, separate rear brakes, rear service brakes or all four service brakes Rear Service
 Percent braking power on rear wheels 47
 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 .102"
 Flange width—maximum 2"
 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 206.2"
 Overall width of car 80.0"
 Overall height, road to roof with no load 62.8"

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

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NOTE—In giving bearing dimensions, kindly use the following order: inside diameter, outside diameter and width. Where cup and cone bearings are used, give both cup and cone numbers.

BEARINGS

Water pump 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 number750" x .563" x .9688"

Starting motor drive end bearing—
 Make or type Oilless Bushing
 Size or number500" x .562" x .7813"

Starting motor outboard bearing—
 Make or type
 Size or number

Generator commutator end bearing—
 Make or type Bushing
 Size or number5625" 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—
 Make or type CTL-48 BCA or N. D.
 Size or number 1308159 or 954222

Transmission main drive gear rear bearing—
 Make or type New Departure 4507 x 1250A
 Size or number 954379

Transmission main shaft front pilot bearing—
 Make or type Roller
 Size or number 435845

Transmission main shaft rear bearing—
 Make or type New Departure 3206 x 1270A
 Size or number 954380

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 Nica 4984
 Size or number 134630

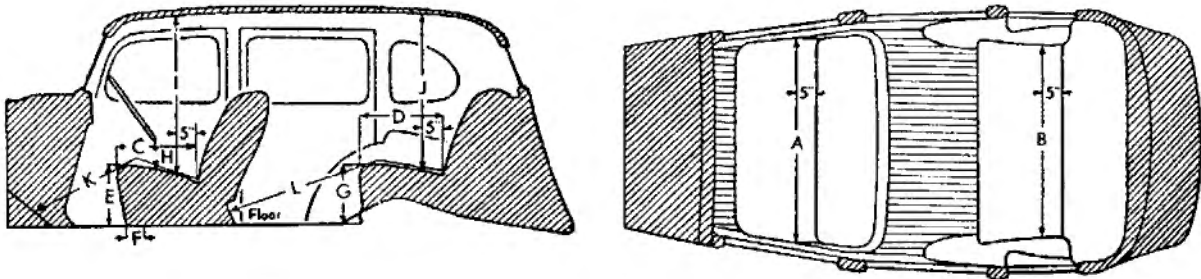
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NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed with its additional price.
 (2) Enter on top line your own model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

EQUIPMENT	Models		
	Standard	DeLuxe	Custom
Catalog Designation of Model	Series 50		
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	A. C.		
Gasoline gauge make	A. C.		
Thermometer make	A. C.		
Car lock make	Briggs & Stratton or Delco Remy		
Car lock operates on <i>ignition or ignition and steering</i>	Ignition		
Clock make <i>mechanical or electrical</i>	Borg or New Haven		
Ciger lighter make	Casco or Rochester		
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	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— <i>yes or no</i> Yes .. Rear— <i>yes or no</i> 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		

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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) (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)	42.9"
Trunk capacity, cubic feet	—
Width of left front pillar on diagonal with door closed	3.06"

