

PRELIMINARY

AMA Specifications – Passenger Car

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MANUFACTURER	Buick Motor Division	CAR NAME	Buick	
	General Motors Corporation			
MAILING ADDRESS	1051 E. Hamilton Avenue Flint 2, Michigan	MODEL YEAR	ISSUED:	4-16-62
		1963	REVISED (•)	7-18-62

NOTES:

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.

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BODY—TYPES AND STYLE NAMES—

Body type, number of passenger & style names; use manufacturer's code for series & body style.

<u>Model</u>	<u>Body Style</u>
	<u>LeSabre</u>
4411	2 door 4 window sedan
4435	4 door 6 window 2 seat estate wagon
4439	4 door 4 window hardtop
4445	4 door 6 window 3 seat estate wagon
4447	2 door 4 window pillarless coupe
4467	2 door 4 window convertible
4469	4 door 4 window thin pillar sedan
	<u>Invicta</u>
4635	4 door 6 window 2 seat estate wagon
	<u>Wildcat</u>
4639	4 door 4 window hardtop
4647	2 door 4 window pillarless coupe
4667	2 door 4 window convertible
	<u>Electra 225</u>
4819	4 door 6 window thin pillar sedan
4829	4 door 6 window pillarless
4839	4 door 4 window hardtop
4847	2 door 4 window pillarless coupe
4867	2 door 4 window convertible

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	SERIES			
		4400	4600	Wildcat	4800
Wheelbase (L101)	23	123.0			126.0
Tread	Front (W101)	62.0			
	Rear (W102)	61.0			
Maximum Overall Dimensions	Length (L103)	215.7			221.7
	Width (W103)	78.0			
	Height (H101)	56.4	55.6		57.0
Transmission— (Specify trade name - opt., not available)	Manual	15	Standard	Not Available	
	Overdrive	16	Not Available		
	Automatic	16	Turbine Drive (a)		
Axle ratio	Manual	17	3.36	Not Available	
	Overdrive	17	Not Available		
	Automatic	17	2.78	3.23	3.42
Tire size	18	7.60-15			8.00-15
Engine	Type, no. cyl., valve arr.	2	V-8 in Head		
	Fuel system (Carb., other)	8	Carburetor		
	Bore and stroke	2	4.1875 x 3.64		
	Piston displ., cu.in.	2	401		
	Std. compression ratio	2	10.25		
	Max. bhp at engine rpm	2	280@4400	325 @ 4400	
	Max. torque at rpm	2	424@2400	445 @ 2800	

(a) Standard on Series 4600, Wildcat and 4800. Optional at Extra Cost on Series 4400.

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				Series					
MODEL	4400	4600	Wildcat	4800					

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V-8 in Head		
Bore and stroke (nominal)	4.1875 x 3.64		
Piston displacement, c.u. in.	401		
Bore spacing (C/L to C/L)	4.750		
No. system (front to rear)	L. Bank	2-4-6-8	
	R. Bank	1-3-5-7	
Firing order	1-2-7-8-4-5-6-3		
Compres. ratio (nominal)	10.25		
Cylinder Head Material	Cast Iron		
Cylinder Block Material	Cast Iron		
Cylinder Sleeve—Wet, dry, none	None		
Number of mounting points	Front	Two	
	Rear	One	
Engine installation angle	6°5'		
Taxable horsepower	$\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		56.11
Published max. bhp* @ eng. RPM	280 @ 4400	325 @ 4400	
	424 @ 2400	445 @ 2800	
Published max. torque* (lb. ft. @ RPM)			
Recommended fuel regular - premium	Premium		
Idle speed (spec. neutral or drive)	Manual	(a) 525 - Neutral	
	Automatic	(a) 525 - Neutral or Park	

ENGINE—PISTONS

Material	Cast Aluminum Alloy		
Description and finish	Cam Ground - Transverse Slot - Divorced Slot		
Weight (piston only) oz.	24		
Clearance (limits)	Top land	.029 - .037	
	Skirt	Top	.001 - .0016
		Bottom	.002 - .0036
Ring groove depth	No. 1 ring	.211 - .219	
	No. 2 ring	.214 - .221	
	No. 3 ring	.214 - .221	
	No. 4 ring	None	

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(a) 575 When Air Conditioning-Equipped.

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
*4400	401	2 bbl.	10.25	280@ 4400	424@ 2400	3-Speed Synchro.	3.36
4400	401	2 bbl.	9.0	265@ 4400	412@ 2400	3-Speed Synchro.	3.36
4400	401	2 bbl.	9.0	265@ 4400	412@ 2400	Turbine Drive	2.78
4400	401	4 bbl.	10.25	325@ 4400	445@ 2800	4-Speed Synchro.	3.42
4400	401	4 bbl.	10.25	325@ 4400	445@ 2800	Turbine Drive	3.23
*4600	425	4 bbl.	10.25	340@ 4400	465@ 2800	Turbine Drive	3.23
*Wildcat	425	4 bbl.	10.25	340@ 4400	465@ 2800	Turbine Drive	3.36
*4800	401	4 bbl.	10.25	325@ 4400	445@ 2800	Turbine Drive	3.23

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ENGINE-RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, type, coating, etc.	Cast Iron Lubrited
	Width	.077 - .078
	Gap	.015 - .025
Oil	Description - material, type, coating, etc.	Steel Uncoated
	Width	.181 - .187
	Gap	.015 - .035
Expanders		Steel Oil Ring - Hump Type

ENGINE-PISTON PINS

Material		SAE-1118 Steel	
Length		3.520	
Diameter		.9994 - .9997	
Type	Locked in rod, in piston, floating, etc.	Pressed-in Rod	
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston	.00005 - .0001 Select	
	In rod	.00075 - .00125 Select (Press)	
Direction & amount offset in piston		None	

ENGINE-CONNECTING RODS

Material		Forged SAE 1141 Steel
Weight (oz.)		24.384
Length (center to center)		6.220
Bearing	Material & Type	Steel-Backed M/400 Aluminum - Removable
	Overall length	.820
	Clearance (Limits)	.0002 - .0023
	End play	(a) .005 - .012

(a) Total for both rods.

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ENGINE—CRANKSHAFT

Material		SAE 1145					
Vibration damper type		Rubber Absorption					
End thrust taken by bearing (No.)		Three					
Crankshaft end play		.004 - .008					
Main bearing	Material & type		Steel-Backed - All Removable First Four: M/400 - Rear Durex 100A				
	Clearance		.0005 - .0021				
	Journal dia. and bearing overall length	No. 1	2.4985X.940				
		No. 2	2.4985X.940				
		No. 3	2.4985X.891				
		No. 4	2.4985X.940				
		No. 5	2.4985X1.200				
		No. 6	None				
No. 7		None					
Dir. & amt. cyl. offset		None					
Crankpin journal diameter		2.2495					

ENGINE—CAMSHAFT

Location		Above Crankshaft at Center of "Y"					
Material		Cast Alloy Iron					
Bearings	Material	Steel-Backed Babbitt					
	Number	Five					
Gear or chain		Chain					
Type of Drive	Crankshaft gear or sprocket material		Sintered Iron				
	Camshaft gear or sprocket material		Nylon on Cast Aluminum				
	Timing chain	No. of links	52				
		Width	.864				
		Pitch	.500				

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard					
Valve rotator, type (intake, exhaust)		None					
Rocker ratio		1.6					
Operating tappet clearance (indicate hot or cold)	Intake	None					
	Exhaust	None					
Timing marks on flywheel, damper, other		Harmonic Balancer					

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ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (^o BTC)	28	
		Closes (^o ABC)	87	
		Duration - deg.	295	
	Exhaust	Opens (^o BBC)	76	
		Closes (^o ATC)	46	
		Duration - deg.	302	
Valve opening overlap		74		
Intake	Material		SAE 1041 Steel	
	Overall length		4.785	
	Actual overall head dia.		1.875	
	Angle of seat & face		45 ^o	
	Seat insert material		None	
	Stem diameter		Tapered - .3730 ± .0005 to .3720 ± .0005	
	Stem to guide clearance		Top - .001 to .003 - Bottom - .002 to .004	
	Lift (@ zero lash)		.439	
	Outer spring press. and length	Valve closed (lb. @ in.)	46 @ 1.600	
		Valve open (lb. @ in.)	101 @ 1.160	
	Inner spring press. and length	Valve closed (lb. @ in.)	25.5 @ 1.690	
		Valve open (lb. @ in.)	76 @ 1.250	
	Exhaust	Material		GM-N82152 (21-4N)
		Overall length		4.785
Actual overall head dia.		1.500		
Angle of seat & face		45 ^o		
Seat insert material		None		
Stem diameter		Tapered .3725± .0005 to .3715 ± .0005		
Stem to guide clearance		Top .0015 to .0035 Bottom .0025 to .0045		
Lift (@ zero lash)		.441		
Outer spring press. and length		Valve closed (lb. @ in.)	46 @ 1.600	
		Valve open (lb. @ in.)	101 @ 1.160	
Inner spring press. and length		Valve closed (lb. @ in.)	25.5 @ 1.690	
		Valve open (lb. @ in.)	76 @ 1.250	

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Drip from Front Cam Bearing
	Cylinder walls	Splash and Nozzle

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	40 @ 2400
Oil pressure sending unit (elect. or mech.)	Electrical
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Element and can
Capacity of crankcase, less filter-refill (qt.)	Four
Oil grade recommended (SAE viscosity and temperature range)	<u>Anticipated Lowest Temp.</u>
	Above freezing (+32°F.)
	Below freezing (+32°F.) and above zero (0°F.)
	Below zero (0°F.)
	Use SAE Viscosity SAE 10W30, 20, 20W SAE 5W20 or 10W SAE 5W20, 5W
Engine Service Requirement (MM, MS, etc.)	Passing Car Makers Test GM-4745M

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	*Single with Crossover	Dual	*Single with Crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)	One Reverse Flow	One Rev. Flow & separate resonator	One Reverse Flow
Exhaust pipe dia. (O.D.)	2.0-.084 Laminated Tubine	Not Used	2.0-.084
Branch wall thickness	2.25-.084	Laminated Tubing	
Main wall thickness	2.0-.084		
Tail pipe diameter (O.D. & wall thickness)			

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Optional
Control unit	Make and model	
	Location	
	Energy source (manifold vacuum, carburetor air stream, other)	
	Control method (variable orifice, fixed orifice, other)	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	
	Air inlet (breather cap, carburetor air cleaner, other)	
	Flame arrestor (screen, check valve, other)	

*Dual Exhaust Available at Extra Cost on All Series Except Estate Wagons.

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ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. If used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor
Fuel Tank	Capacity (gals.)	20
	Filler location	Left Rear Quarter Panel
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Engine
	Pressure range	5.25 - 6.50
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	(a) -----Plastic
	Locations	Engine -----Tank
Carburetor	Choke type	Integral Automatic
	Intake manifold heat control (exhaust or water)	Exhaust
	Air clnr. type	Standard
Optional		None

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
4400	401	Manual	Rochester	2GC	One	1.6875
4600	401	Automatic	Carter	AFB	One	1.5625 (Pri.) 1.6875 (Sec.)
Wildcat	401	Automatic	Carter	AFB	One	1.5625 (Pri.) 1.6875 (Sec.)
4800	401	Automatic	Carter	AFB	One	1.5625 (Pri.) 1.6875 (Sec.)

(a) Replaceable pleated paper type.

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ENGINE-COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		15 P.S.I.	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at (°F)	180°F.	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm		
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
Bearing type		Double Row Bearing	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin, other)		Tube and Center	
Cooling system capacity	With heater (qt.)	18.5	
	Without heater (qt.)		
	Opt. equipment-specify (qt.)		
Water jackets full length of cylinder (yes, no)		No	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	One Molded
		Inside diameter	1.62
	Upper	Number and type (molded, straight)	One Molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & Spacing		Four-76°x104° (Five with A/C)
	Diameter		18.0 (20" with A/C)
	Ratio-fan to crankshaft rev.		.92 (1.30 with A/C)
	Fan cutout type		None (Eaton-Thermo Modulated with A/C)
	Bearing type		Single Row Ball Bearing
*Drive belts (indicate belt used by letter)	Fan		"A" Generator and Water Pump
	Generator		"A" Fan and Water Pump
	Water Pump		"A" Fan and Generator
	Power Steering		"B" Fan and Water Pump
	Air Conditioning		"C" Fan Generator & Water Pump (Matched Set)

* Drive Belt Dimensions	A	B	C
Angle of V	38°	38°	38°
Nominal length (SAE)	53.00	51.00	60.60
Width	.38	.47	(a) .38

(a) Four 76° x 104° (7-blade fan used with Air Conditioning)

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Delco-Remy 570 (a)		
	Voltage Rtg. & Total Plates	12-66		
	SAE Designation & Amp Hr. Rtg	35M-70 Amp. Hour		
	Location	Left Front Fender Skirt		
	Terminal grounded	Negative		
Generator	Make	Delco-Remy		
	Model	1100623 (b)		
	Type	Diode Rectified Alternator		
	Ratio—Gen. to Cr/s rev.	2.51 (c)		
	Gen. cut-in (hot)—engine rpm	17 Amps at Idle (d)		
Regulator	Make	Delco-Remy		
	Model	1119512		
	Type	Voltage Control		
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.6 to 14.4 at 125°F.	
		Current	None	
	Voltage test conditions	Temperature		
Load		Run 15 Min. at 10 Amps.		
Other		Battery Must Be In Circuit		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco-Remy		
	Model	1107221		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	160 RPM (Approximately)		
	Test conditions	Engine at Operating Temp.		
	Lock test	Amps	290-370	
		Volts	2.0	
		Torque (lb. ft.)	Not Available	
	No load test	Amps	120	
		Volts	10.6	
RPM (min.)		4700		
	Switch (solenoid, manual)	Solenoid		
Motor control	Starting procedure	<p>Transmission in Neutral or Park, depress and release accelerator to set choke, turn ignition key to extreme right to engage starter, release when engine fires.</p> <p>NOTE: On cars equipped with manual transmission, care must be exercised in placing transmission control in Neutral when starting.</p>		

- (a) Wet Charge - Model 571 Dry Charge.
- (b) 1100622 for Air Conditioned Cars.
- (c) 2.82 for Air Conditioned Cars.
- (d) 24 Amps at idle for Air Conditioned Cars.

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Solenoid with Over-Running Clutch
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	166
Flywheel tooth face width		.375	

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco-Remy
	Model		1115100
	Amps	Engine stopped	3.8 @ 12.6 Volts
Engine idling		2.3 @ 12.6 Volts	
Distributor	Make		Delco-Remy
	Model		1110993
	Cent'gal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	550 - 900
		Intermediate points deg. @ rpm	0 to 4° @ 900
		Max deg. @ rpm	22° @ 3800
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	8-10
		Intermediate points, deg @ in Hg	5.5° @ 12
		Max. deg. in. Hg.	17.5° @ 18
	Breaker gap (in.)		.013 - .019
	Cam angle (deg.)		30° ± 1°
Breaker arm tension (oz.)		19-23	
Timing	Crankshaft deg. @ rpm.		12° BTC @ 400
	Mark location		Harmonic Balancer
	Cylinder numbering system (see page 2)		Left Bank 2-4-6-8 Right Bank 1-3-5-7
	Firing order (see page 2)		1-2-7-8-4-5-6-3
Spark Plug	Make and model		AC Type 44S
	Thread (mm)		14
	Tightening torque (lb. ft.)		25-30
	Gap		.030 - .035
Cable	Conductor type		4000 Ohms/Ft. Resistance Cable
	Insulation type		Neoprene
	Spark plug protector		Neoprene Boot

ELECTRICAL—SUPPRESSION

Locations & type	4000 Ohms/Ft. Spark Plug Wires and Coil to Distributor Wire Coil - .33 MFD Condenser Voltage Regulator - .50 MFD Condenser
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ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	A.C.					
	Trip odometer (yes, no)	Optional	Yes	Yes	Yes	Yes	
Charge indicator—type		Indicator Light					
Temperature indicator—type		Thermal Switch - "Hot" & "Cold" Indicator Lights					
Oil pressure indicator—type		Pressure Switch - Indicator - Light					
Fuel Indicator—type		Electrical					
Other							
Ignition switch	Identify positions in order and circuits controlled	Starting with Switch in Full Counterclockwise Position. Accessory: (a) 1st Position Clockwise: "OFF" - Locked 2nd Position Clockwise: "OFF" - Unlocked 3rd Position Clockwise: "ON" - (b) 4th Position Clockwise: "START" (Spring return to "ON")					
	Provision for illumination	Yes					
	Location	Lower Control Panel - Right of Steering Column					
Main lighting switch	Identify positions and lamps controlled	1st Position Out - Park and Tail Lights. 2nd Position Out - Headlamps and Tail Lights. Rotating Switch Knob fully counterclockwise turns Dome Light on and Instrument Light on Bright. Rotating Clockwise turns Dome Light "Off" and dims Instrument Lights. Fully Clockwise turns Instrument Lights "Off".					
	Locations and Map lamps controlled	Switch-Center Panel Below Instrument Panel Roll Mercury Switch in Lamp Mechanically-Operated by Door On Parking Brake Release Bracket Hydraulic on Master Cylinder					
Other light switches	Glove Comp't. Parking Brake Stop Light						
	Locations and devices controlled						
Other switches	Direction Signal Back-up Lights	Steering Column between Instrument Panel and Dash. Steering Column between Instrument Panel and Dash.					
Windshield wiper	Make	Delco Appliance					
	Type	Electric					
	Vacuum booster provision	None					
	Washer provision	Yes					
Horn	Type	Solenoid					
	Number used	Two					
	Amp draw (each)	(Both) 7 to 11 Amp.					

(a) Radio, Back-up Lights, Heater Blower, Air Conditioning Blower, Stop Lights, Direction Lights and Wiper.

(b) Ignition, Radio, Back-up Lights, Heater Blower, Air Conditioning Blower, Stop Lamps, Direction Signals, Wiper, Gas Gauge, Brake Warning, Oil Pressure, Water Temperature and Charge Indicator Lights.

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ELECTRICAL-LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamps & arrangement		2-4001, 2-4002, Dual Headlamps-Horizontal			
Headlamp beam indicator		158			
Parking		2-1034			
Tail		2-1034			
Stop		Same Bulb as Tail Light			
Direction signal	Front	**Same Bulb as Parking Light			
	Rear	Same Bulb as Tail Light			
	Indicator	2-158			
License plate		67			
Instrument		6-161			
Ignition lock		1-1445			
Back up		*2-1073	2-1073		
Dome		1-1004	2-90		
Clock		*1-1816	1-1816		
Radio		1-1893			
Glove compartment		1-57			
Map		*1-68	1-68		
Brake Indicator		*1-1816	1-1816		
Trans. Range		1-161	1-1816	1-161	
Oil Press. Ind.		1-158			
Water Temp. Ind.		1-158			
Gen. Ind.		1-158			
Instr. Panel					
Control Hsg.		2-57			
Courtesy Light					
In Center Console		None	(a) 1-90	2-90, 1-68	None
Ash Tray		1-1445	1-53		1-1445

*Accessory at Extra Cost.

**Model 4635 has four bulbs; however, only outboard 1034 bulb flashes.

(a) Model 4647 only.

PRELIMINARY
AMA Specifications – Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1963	DATE ISSUED	1-25-62	REVISED (a)	7-18-62
	Series. . .						
MODEL	4400	4600	Wildcat	4800			

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

Headlamp	15 CB (a)
Headlamp beam indicator	(a)
Parking lamp	(a)
Tail lamp	10 AGC (c)
Stop lamp	10 AGC (b)
Direction indicator	(b)
License plate lamp	(c)
Instrument lamp	3 AGC (d)
Ignition lamp	(d)
Back up lamp	**10 AGC (h)
Dome lamp	20 SFE (f)
Clock	***2 AGA
Clock lamp	(d)
Radio	***Special 7.5 SFE (Wonder Bar) - Special 2.5 AGW (Sonomatic)
Glove compartment lamp	**5 AGC (3)
Courtesy Light	(e)
Trunk Light	*** (f)
Blower-Heat.AC	****30 AGC
Cigar Lighter	Special
Antenna Motor	**** 15 AGC
Windows-Seat-Top	**** 40 CB
Safety Buzzer & Brake	** 5 AGC (g)
Wiper	25 AGC
Ash Tray Light	(d)

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

		Height above ground to center of bulb		
		Lowest	Highest	
Height above ground to center of bulb	Tail	Lowest	--	
		Highest	25.6	
	Stop	25.6	25.7	
	Backup	19.5	19.8	
	License, rear	19.8	20.1	
	Directional	Front	18.3	18.6
		Rear	25.6	25.7
	Headlamp	Inside	26.9	
		Outside*	26.9	
	Distance from C/L of car to center of bulb	Tail	Inside	--
Outside			34.3	
Stop		34.3	26.8	
Backup		34.3	26.8	
License, rear		C/L		
Directionc		Front	29.1	
		Rear	34.3	26.8
Headlamp		Inside	24.8	
		Outside*	33.5	

* If single headlamps are used enter here.

PRELIMINARY
AMA Specifications – Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1963	DATE ISSUED	1-25-62	REVISED (a)	6-4-62
		Series					
MODEL	4400	4600	Wildcat	4800			

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Dry (Std.)	Dry (Optional) For Use With 4-Speed Transmission	*
Type pressure plate springs	Coiled		
Effective plate pressure (lb.)	1839		
No. of clutch driven discs	One		
Clutch facing	Material	Woven	
	Outside & inside dia.	11.0 x 6.5	
	Total eff. area (sq.in.)	61.85	
	Thickness	.125	
	Engagement cushioning method	Springs	
Release bearing	Type & method of lubrication	Ball - Sealed	
Torsional damping	Methods: springs, friction material	Springs	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-Speed Std.	4-Speed (Optional Item)	*
Manual with overdrive (std. or opt.)	Not Available		
Automatic (std. or opt.)	Optional	Standard	

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Four (Optional Item)	*	
Transmission ratios	In first	2.54	
	In second	1.89	
	In third	1.51	
	In fourth	1.00	
	In reverse	2.61	
Synchronous meshing, specify gears	2nd & 3rd	1st;2nd;3rd & 4th	
Shift lever location	Strg. Wheel	Floor	
Lubricant	Capacity (pt.)	2.25	
	Type recommended	A9 Mineral Oil	
	SAE viscosity number	Summer	SAE 80-90
		Winter	SAE 80-90
Extreme cold		SAE 80-90	

*Available only on Special Car Order.

PRELIMINARY
AMA Specifications - Passenger Car

MAKE OF CAR BUICK **MODEL YEAR** 1963 **DATE ISSUED** 1-25-62 **REVISED (a)** 7-18-62

	Series			
MODEL	4400	4600	Wildcat	4800

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Not available	
	Manual lockout (yes, no)		None	
	Downshift accelerator control (yes, no)		None	
	Minimum cut-in speed		None	
	Gear ratio		None	
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		None
		Separate filler (yes, no)		None
		Type recommended		None
		SAE vis- cosity number	Summer	None
			Winter	None
Ext. cold	None			

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Turbine Drive (b)	
Type describe	Torque Converter with Gears	
Method of Selection (Lever, Push Button or other)	Lever	
Selector Pattern	P-N-D-L-R	
List gear ratios Selector Pattern and indicate which are used in each selector position	D-1X Converter Ratio L-1.82X Converter Ratio R-1.82X Converter Ratio	
Max. upshift speeds—drive range	None	
Max. kickdown speeds—drive range	None	
Torque converter	Number of elements	5
	Max. ratio at stall	3.4
	Type of cooling (air, water)	Water
Lubricant	Capacity—refill (pt.)	24
	Type recommended	(a)
Special transmission features	Two position stator blade changes to High or Performance Angle at full throttle position.	

DRIVE UNITS—PROPELLER SHAFT

Number used	Two		
Type (exposed, torque tube)	Exposed		
Outer diameter x length* x wall thickness	Manual transmission	2.250 x 32.95 x .095 - (Rear) 2.250 x 39.05 x .095	3- Speed Not Available
	Overdrive transmission	Not Available	
	Automatic transmission	Front 2.250 x 32.95 x .095 Rear 2.250 x 39.05 x .095	2.250 x 35.95 x .095 Rear 2.250 x 39.05 x .095

*Center to center of universal joints, or to centerline of rear attachment.

(Continued)

Form Rev. 3-62

(a) Automatic transmission fluid type "A". Suffix A must be identified by AQ-ATF number embossed in can or special Buick oil.

PRELIMINARY
AMA Specifications - Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1963	DATE ISSUED	1-25-62	REVISED (a)	7-18-62
				Series			
MODEL	4400	4600	Wildcat	4800			

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	Ball
	Lubrication (fitting, prepack)	Packed for Life
Universal joints	Make	Saginaw
	Number used	Four
	Type (ball and trunnion, cross, other)	Front and Rear (Single Cardan Cross) Center (Double Cardan Cross)
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Packed for Life
Drive taken through (torque tube or arms, springs)		Arms
Torque taken through (torque tube or arms, springs)		Arms

DRIVE UNITS—REAR AXLE

Description (see instructions)	Hypoid Semi-floating - (Standard) Positive Traction Differential (Optional)			
Limited Slip differential, type				
Drive Pinion Offset	1.75			
No. of differential pinions	(a) 2			
Gear ratios (Std. equip.)	Manual transmission	3.36 (b)	Not Available	
	Overdrive transmission	Not Available		
	Automatic transmission	2.78	3.23	3.42
Ring gear O.D. (std. ratio)	9.375 - 9.375			
Pinion adjustment (shim, other)	Shim			
Pinion bearing adj. (shim, other)	Shim			
Wheel bearing type	Ball			
Lubricant	Capacity (pt.)	4.5		
	Type recommended	Hypoid GM-4655M (90)		
	SAE viscosity number	Summer	SAE-90 (GM-4655M (c))	
		Winter	SAE-90 (GM-4655M (c))	
Extreme cold		SAE-90 (GM-4655M (c))		

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	3.36	3.36	3.23
No. of teeth	Pinion	14	14
	Ring gear	47	47

- (a) Four used with Opt. Equip. Positive Traction Differential.
- (b) Same with 4-Speed Transmission.
- (c) Positive traction differential lube SAE-90 (B.S. 723)

PRELIMINARY
AMA Specifications – Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED (a)7-18-62

	Series			
MODEL	4400	4600	Wildcat	4800

DRIVE UNITS—WHEELS

Type & material		Disc - Steel
Rim (size and flange type)	Std.	15 x 6.00L
	Opt.	Not Available
Attachment	Type (bolt or stud)	Stud
	Circle diameter	5.00
	Number and size	Five (.500-20)

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.60-15 (4-Ply)	8.00-15 (4-Ply)
	Type - Nylon, etc.	Rayon	
Rev/mile at 50 mph.			
Inflation press.(cold)	Front	24 (f)	
	Rear	(a) 24 (f)	
Optional tires - size and ply		Not Available	8.00-15 (4-Ply)
			Not Available

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		Duo-Servo	
Self adjusting (std., opt., N.A.)		Not Available	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)		(e) Moraine Integral Unit	
Effective area (sq. in.)*		156.90	
Gross lining area (sq. in.)**		197.32	
Swept drum area (sq. in.)***		320.49	
Percent brake effectiveness—front		55.9	
Drum	Diameter	Front	12.007/11.997
		Rear	12.007/11.997
	Type and material	(b)	
Wheel cylinder bore	Front	1.125	
	Rear	1.00	
Master cylinder bore		1.00	
Available pedal travel		(c) 6.75	3.55
Line pressure at 100 lb. pedal load		600	(d)
Shoe clearance adjustment		.015	

* Excludes rivet holes, grooves, chamfers, etc.
 ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept areas for four brakes:

(Continued)

Widest lining contact width for each brake x its drum circumference.

- (a) 28# on Estate Wagon
- (b) Fronts are Aluminum Body with Cast Iron Liners; Rears are 60 Fin Cast Iron.
- (c) 3.55 When Power Brake-Equipped.
- (d) 400# with 30# Pedal Load and 20" Hg. Vacuum.
- (e) Available as Optional Equipment on Series 4400, 4600, & Wildcat.
- (f) Add 2# at Ambient Air 32°F or Less.

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		Series					
MODEL	4400	4600	Wildcat	4800			

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted		Riveted					
	Front Shoe	Material		Primary - Molded Extruded				
		Size (length x width x thickness)	Front wheel	10.040 x 2.25 x .220				
			Rear wheel	10.040 x 2.00 x .220				
		Segments per shoe		One				
	Rear Shoe	Material		Secondary - Molded Extruded				
		Size (length x width x thickness)	Front wheel	12.959 x 2.25 x .220				
			Rear wheel	12.959 x 2.00 x .220				
Segments per shoe		One						

BRAKES—PARKING

Type of control	"Step On"				
Location of control	Left Side at Cowl Panel				
Operates on	Rear Shoes				
If separate from service brakes	Type (internal or external)		None		
	Drum diameter		None		
	Lining size (length x width x thickness)		None		

FRAME or UNITIZED CONSTRUCTION

Type and description	Cruciform Frame				
----------------------	-----------------	--	--	--	--

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling	None				
Provision for brake dip control	Yes				
Provision for acc. squat control	Yes				
Special provisions for car jacking	Slot in Bumper Face Plates				
Shock absorber front & rear	Type		Direct		
	Make		Delco		
	Piston dia.		1"		
Other special features	None				

SUSPENSION—FRONT

Type and description	Coil Spring and Ball Joint				
----------------------	----------------------------	--	--	--	--

* Air Suspension: Normal operating pressures (Continued)
 Air spring type spring rates
 Compressor data leveling data
 type
 make
 drive ratio

AMA Specifications - Passenger Cars

MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED (e) 7-18-62

MODEL	Series			
		4400	4600	Wildcat

SUSPENSION FRONT (cont.)

Spring	Type	Coil		
	Material	SAE 9260 Steel		
	Size (coil design height & I.D.; bar length x dia.)	11.00-4.05		11.00-4.05
		154.76-.700		156.76-.710
	Spring rate (lb. per in.)	350		365
	Rate at wheel (lb. per in.)	90		94
Design load (lb. @ design height)	2440		2510	
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	(a)		

STEERING

Mechanical (std., opt., NA)		Standard		Not Available		
Power (std., opt., NA)		Optional		Standard		
Wheel diameter		16"				
Turning diameter	Outside front	Wall to wall (l. & r.)	48.7	50.3		
		Curb to curb (l. & r.)	45.9	47.6		
	Inside rear	Wall to wall (l. & r.)	30.3	30.6		
		Curb to curb (l. & r.)	30.6	31.2		
Outside wheel angle with inside wheel at 20°		17°55'				
Mechanical	Gear	Type	Recirculating Ball Nut		Not Available	
		Make	Saginaw		Not Available	
		Ratios	Gear	28.0		Not Available
			Overall	33.0		Not Available
	No. wheel turns	5		Not Available		
Power	Type (coaxial, linkage, etc.)		In Line-Rotary Valve			
	Make		Saginaw			
	Trade name		Safety Power Steering (b)			
	Gear	Type	Recirculating Ball Nut-Integral with Power Piston			
		Ratios	Gear	17.5		
			Overall	20.5		
	Pump driven by		Belt			
Number wheel turns		3.5				
Linkage	Type		Parallelogram			
	Location (front or rear of wheels, other)		Rear of Wheels			
	Drag link (trans. or longit.)		Transverse			
	Tie rods (one or two)		Two			

(Continued)

- (a) SAE-1084 - .828 Dia. 4-Door Sedan; .844 dia. 2-Door Cars and .906 on Estate Wagons.
 (b) Available at extra cost - Series 4400, 4600, and Wildcat

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MAKE OF CAR	BUICK	MODEL YEAR	1963	DATE ISSUED	1-25-62	REVISED (•)	7-18-62
		Series					
MODEL	4400	4600	Wildcat	4800			

STEERING (cont)

Steering Axis	Inclination at camber (deg.)		9°52' @ 0°50' Camber
	Bearings (type)	Upper	Ball Joint Suspension Used
		Lower	Ball Joint Suspension Used
		Thrust	Ball Joint Suspension Used
Wheel alignment (range and preferred)	Caster (deg.)		1° Pos.+ or - 1/2°
	Camber (deg.)		3/8° + or - 3/8°
	Toe-in (outside tread-inches)		3/16" to 9/32
Steering spindle & joint type			Ball Joint
Wheel spindle	Diameter	Inner bearing	1.3748
			1.3743
	Outer bearing		.8435
			.8430
	Thread size		13/16 - 16 U.N.F.
Bearing type		Taper Roller Bearing	

SUSPENSION—REAR

Type and description			Coil Spring			
Drive and torq. taken through (see page 17)			Arms			
Spring	Type		Coil			
	Material		SAE 9260 Steel			
	Size (length x width, coil design height and I.D.; bar length & dia.)		11.50-4.38	11.50-4.38		
			152.76-.620	146.76-.630		
	Spring rate (lb. per in.)		180	200		
	Rate at wheel (lb. per in.)		98	108		
	Design load (lb. at design height)		1400	1500		
	Mounting insulation type			Laminated Rubber		
	If leaf	No. of leaves		None		
		Inserts	Type and size	None		
Material			None			
Shackle (comp. or tens.)		None				
Stabilizer	Type (link, linkless, frameless)		None			
	Material					
Track bar type			Tubular Steel Mounted in Rubber			

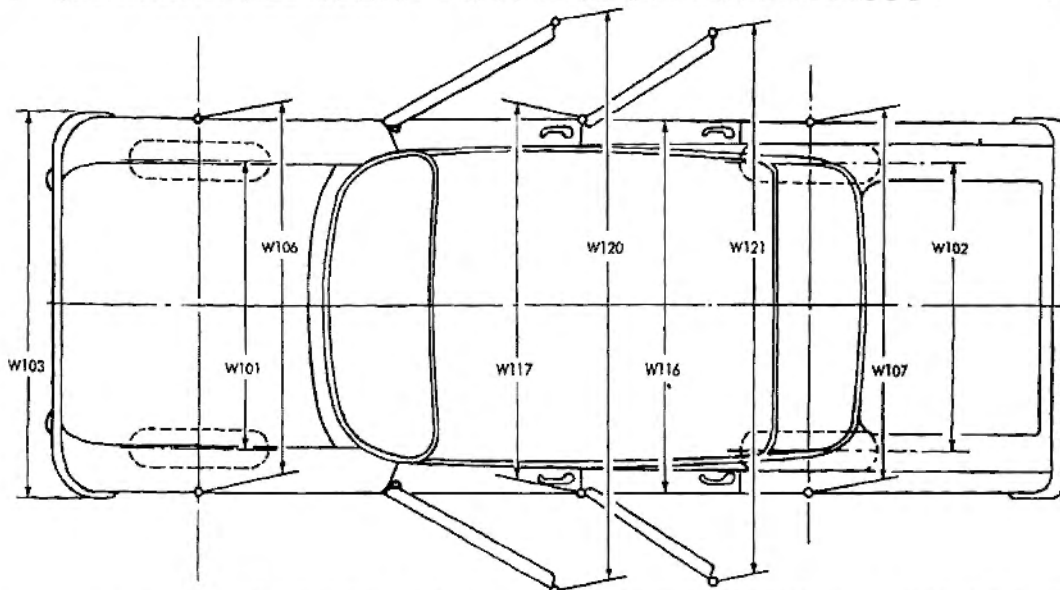
MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED (a) 6-4-62

CAR AND BODY DIMENSIONS—GENERAL

NOTE: Included in the dimension definitions listed on pages 34-36 are those which have been adopted by SAE. These are indicated by a number following the type of dimension, e.g., L3. Additional dimensions have been added by the AMA Specifications Review Committee. These are shown by an additional letter, e.g., H67a. The symbol "a" has been added as a suffix to denote a dimension adopted by the AMA and submitted to the SAE for approval. The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

EXTERIOR WIDTH DIMENSIONS

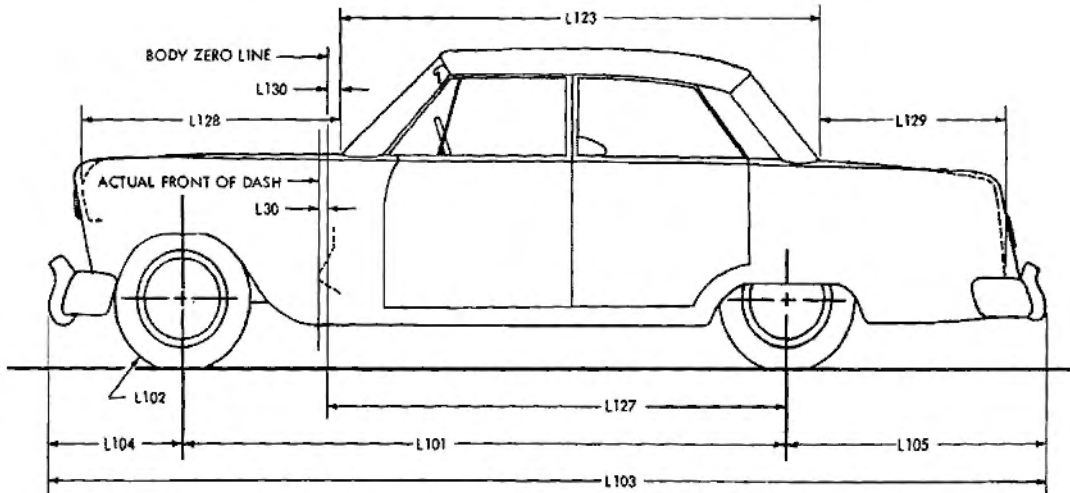


MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
Tread - front	W101	62.0			
Tread - rear	W102	61.0			
Maximum overall car width	W103	78.0			
Maximum overall body width	W116	76.6			76.7
Maximum body width at #2 pillar	W117	76.1			76.2
Front fender overall width	W106	77.4		76.6	
Rear fender overall width	W107	76.7		75.4	
Maximum overall car width - front doors open	W120a	141.2			141.2
Maximum overall car width - rear doors open	W121a				

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EXTERIOR LENGTH DIMENSIONS

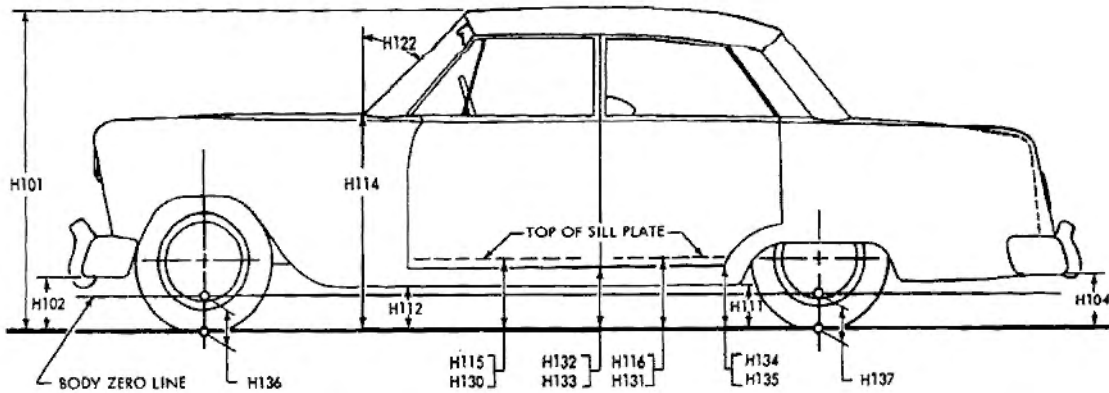


MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
Body zero line to actual front of dash	L30				
Wheelbase	L101		123.0		126.0
Overhang - front	L104		34.2		
Overhang - rear	L105		58.5		61.5
Overall length	L103		215.7		221.7
Hood length at car centerline	L128a		57.8		
Body upper structure length at car centerline	L123		102.6		110.9
Deck length at car centerline	L129a	51.4	Not Used	50.0	49.2
Body zero line to centerline of rear wheels	L127		102.0		105.0
Body zero line to windshield cowl point	L130a				
Tire size	L102		7.60-15		8.00-15

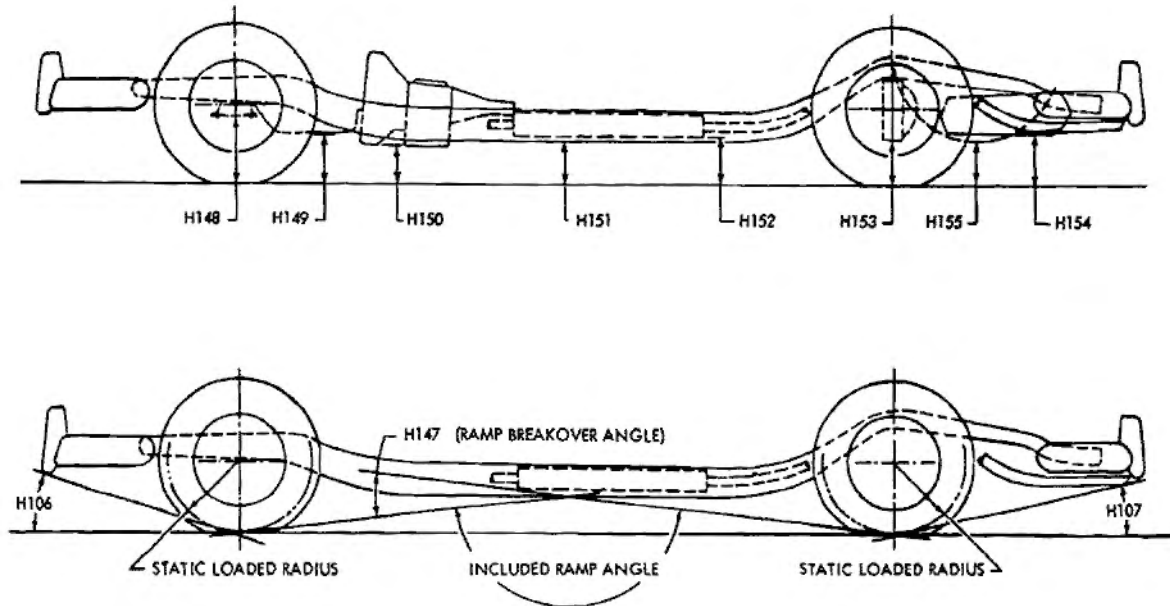
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EXTERIOR HEIGHT DIMENSIONS



MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
Overall height	H101	56.4		56.4	57.0
Hood at rear to ground	H114		39.9		40.1
Rocker panel to ground - front	H112a		8.9		9.2
Rocker panel to ground - rear	H111		8.6		8.8
Step height - front (design load)	H115				
Step height - rear (design load)	H116				
Step height - front (curb load)	H130		15.5	12.2	15.8
Step height - rear (curb load)	H131	13.6		13.6	13.6
Bottom of door to ground, open - front	H132		-----		
Bottom of door to ground, closed - front	H133	12.6		12.6	12.9
Bottom of door to ground, open - rear	H134		-----		
Bottom of door to ground, closed - rear	H135	12.4		12.4	
Front bumper to ground	H102		11.8		11.9
Rear bumper to ground	H104		11.9		12.3
Windshield slope angle	H122		55°		
Body zero to ground - front	H136a				
Body zero to ground - rear	H137a				

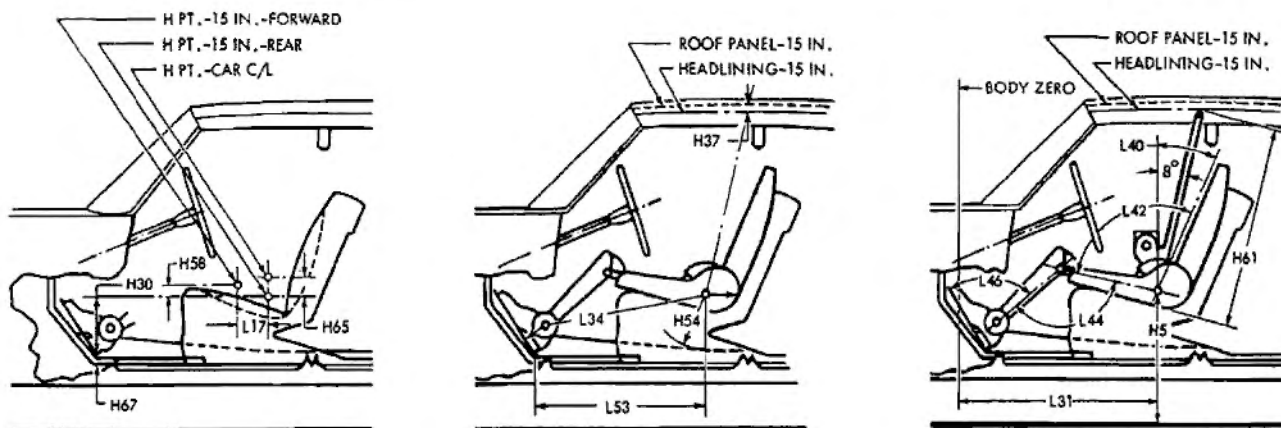
MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED(*) 6-4-62**GROUND CLEARANCE DIMENSIONS**

MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
Angle of approach	H106		27°		27.6°
Angle of departure	H107		13.3°		13.0°
Ramp breakover angle	H147		11.3°		
Front suspension to ground	H148				
Oil pan to ground	H149				
Flywheel housing to ground	H150				
Frame structure to ground	H151				
Exhaust system to ground	H152				
Rear axle differential to ground	H153		7.45		7.72
Fuel tank to ground	H154				
Spare tire well to ground	H155				
Minimum running ground clearance	H156		*5.79		*6.04

*Frame Center Plate

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FRONT COMPARTMENT DIMENSIONS

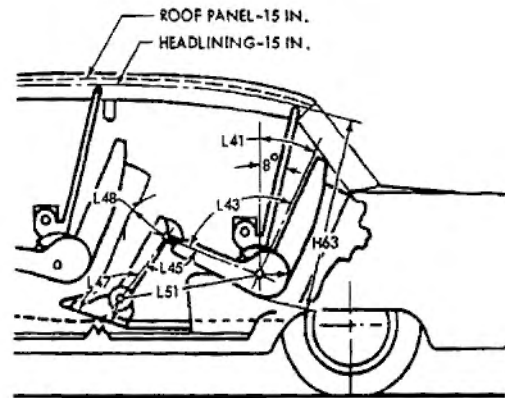
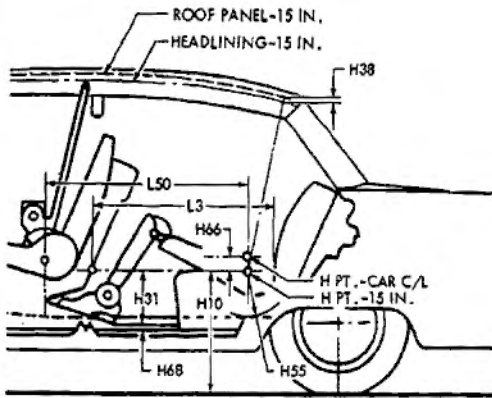


MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
H Point to body zero line	L31a	41.2		41.2	41.74
H Point to ground	H5a				
Effective head room	H61a				
Headlining to roof height	H37				
Maximum effective leg room - accelerator	L34a				
H Point to heel point	H30a				
Depressed floor covering thickness	H67a				
Back angle	L40a				
Hip angle	L42a				
Knee angle	L44a				
Foot angle	L46a				
H Point differential, side to center	H65a				
H Point to tunnel	H54a				
H Point to accelerator floor point	L53a				
H Point travel	L17a				
H Point rise	H58a				

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REAR COMPARTMENT DIMENSIONS

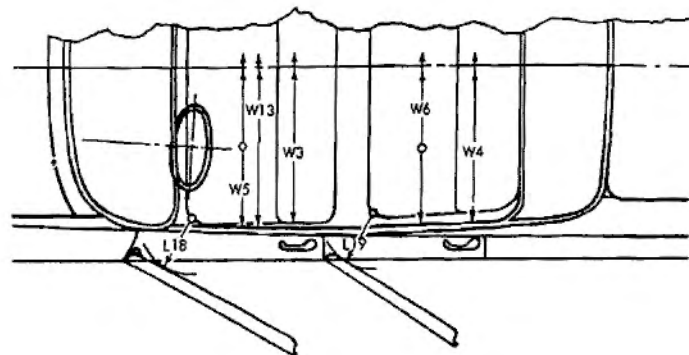
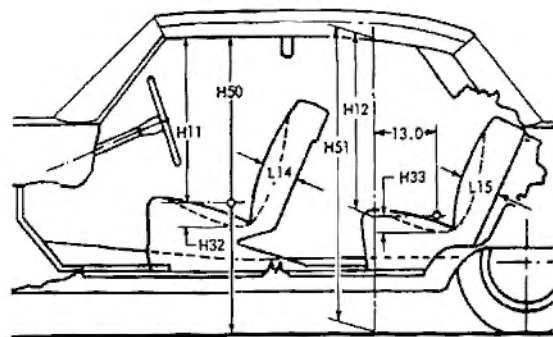


MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
H Point couple distance	L50a				
H Point to ground	H10a				
Effective head room	H63a				
Headlining to roof height	H38				
Minimum effective leg room	L51a				
H Point to heel point	H31a				
Depressed floor covering thickness	H68a				
Minimum knee room	L48a				
Rear compartment room	L3	28.8		27.8	31.7
Back angle	L41a				
Hip angle	L43a	93.5°		90.5°	100.5°
Knee angle	L45a	109.5°		105.0°	127.5°
Foot angle	L47a	127.5°		124.5°	132.0°
H Point differential, side to center	H66a				
H Point to tunnel	H55a				

PRELIMINARY
AMA Specifications - Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED(*) 6-4-62

SEAT AND ENTRANCE DIMENSIONS

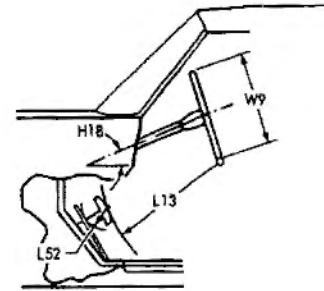
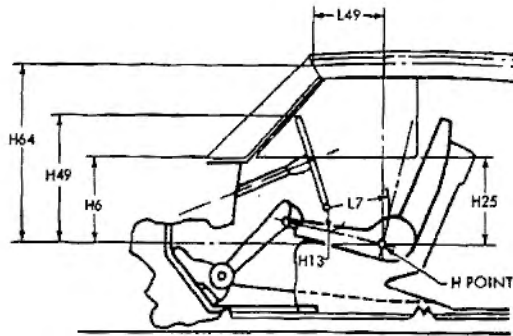


MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
Shoulder room - front	W3a	58.9		58.9	58.7
Hip room - front	W5a	63.3		63.3	63.6
Seat width - front	W16a				
Upper body opening to ground - front	H50a				
Entrance height - front	H11a				
Entrance foot clearance - front	L18				
Seat cushion deflection - front	H32a				
Seat back thickness - front	L14				
Shoulder room - rear	W4a	57.9		57.9	
Hip room - rear	W6a	63.2		63.2	
Upper body opening to ground - rear	H51a				
Entrance height - rear	H12a				
Entrance foot clearance - rear	L19	11.4		11.6	13.9
Seat cushion deflection - rear	H33a				
Seat back thickness - rear	L15				

PRELIMINARY
AMA Specifications – Passenger Car

MAKE OF CAR BUICK **MODEL YEAR** 1963 **DATE ISSUED** 1-25-62 **REVISED(*)** 6-4-62

VISION AND CONTROL DIMENSIONS



MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
H Point to windshield bottom DLO	H6a				
H Point to windshield upper DLO	H64a				
H Point to windshield upper DLO	L49a				
Belt height - front	H25a				
Steering wheel center to centerline of car	W7				
Steering wheel maximum outside diameter	W9				
Steering column angle - horizontal	H18				
H Point to top of steering wheel	H49a				
Steering wheel torso clearance	L7a				
Steering wheel thigh clearance	H13a				
Brake pedal knee clearance	L13				
Brake pedal to accelerator	L52a				
Tumble-home	W122a				

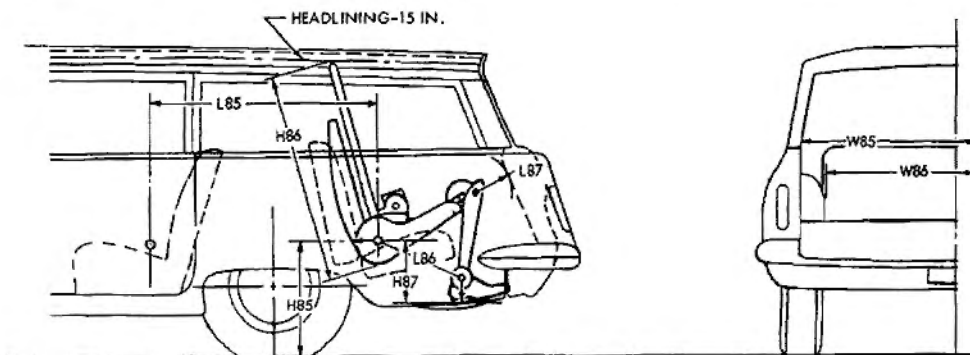
PRELIMINARY
AMA Specifications — Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED(*) 6-4-62

LUGGAGE COMPARTMENT

MODEL	Ref. No.	Series			
		4400	4600	Wildcat	4800
Usable luggage capacity (See instructions)					
Liftover height*	H301a				
Position of spare tire storage					
Method of holding lid open					

THIRD SEAT DIMENSIONS



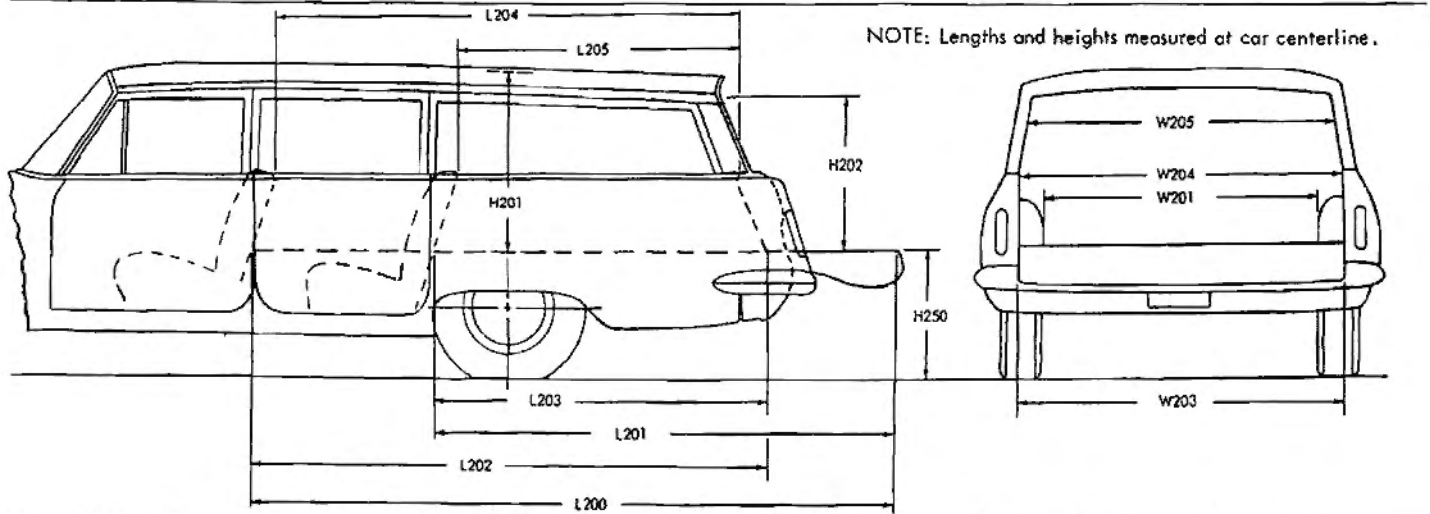
MODEL	Ref. No.	4445
Seat facing direction		Rearward
Shoulder room	W85a	
Hip room	W86a	
H Point couple distance	L85a	
H Point to ground	H85a	
Effective head room	H86a	
Effective leg room	L86a	
H Point to heel point	H87a	
Knee room	L87a	
Back angle	L88a	
Hip angle	L89a	
Knee angle	L90a	
Foot angle	L91a	

* Vertical dimension from luggage compartment lower opening to ground.

PRELIMINARY
AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED(*) 6-4-62

STATION WAGON—CARGO SPACE DIMENSIONS



MODEL	Ref. No.	Model		
		4435	4445	4635
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	124.9		124.9
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	89.5		89.5
Floor length from back of front seat at floor level to inside of closed tail gate	L202	92.7		92.7
Floor length from back of second seat at floor level to inside of closed tail gate	L203	58.1		58.1
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	82.9		82.9
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	46.4		46.4
Maximum width of cargo space at floor - specify location	W200a	62.1@Front		62.1@Front
Minimum distance between wheel houses at floor level	W201	48.2		48.2
Rear end opening width at floor	W203	54.4		54.4
Rear end opening width at belt	W204	54.7		54.7
Maximum width of rear opening above belt	W205	54.2		54.2
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.2		31.2
Maximum height of rear opening - tail and lift gates open	H202	29.9		29.9
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	27.2		27.2
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		Tail Gate with Dropping Glass		
Cargo volume index (cu. ft.) W4 x L204 x H201		86.7		86.7

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PRELIMINARY
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MAKE OF CAR BUICK MODEL YEAR 1963 DATE ISSUED 1-25-62 REVISED ^(*) 6-4-62

	Series			
MODEL	4400	4600	Wildcat	4800

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Acrylic Lacquer
Hood hinge location (front, rear)		Rear
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle (Serial) No. Location		*
Engine No. Location		Top Face of Cylinder Block - Front End
Theft protection - type		None
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	None
Seat cushion type	Front	Zigzag
	Rear	Zigzag
Seat back type	Front	Zigzag
	Rear	Zigzag
Windshield type (single curved, compound curved, other)		Compound Curved
Rear window type (flat, curved, one piece, three piece)		Curved (One Piece)
Side glass type (curved, flat)		Flat
Side glass exposed surface area		
Windshield glass exposed surface area		
Backlight glass exposed surface area		
Total glass exposed surface area		

*Stainless steel plate, located under the hood on the left hand side of the car, and welded to the top surface of the body cowl, adjacent to the body number plate.

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