

# AMA Specifications—Passenger Car

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MANUFACTURER	BUICK MOTOR DIVISION GENERAL MOTORS CORPORATION	CAR NAME	BUICK GS "350" - GS "400"
MAILING ADDRESS	1051 E. HAMILTON AVENUE FLINT, MICHIGAN 48550	MODEL YEAR	1969
		ISSUED:	Sept. 4, 1968
		REVISED (●)	12-2-68

**NOTES:**

1. The General 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, style names; use manufacturer's code for series & body style.
<u>SERIES</u>	<u>BODY STYLE</u>	<u>MODEL DESIGNATION</u>
GS "350"	2 Door Hardtop Coupe	43437
GS "400"	2 Door Hardtop Coupe	44637
	2 Door Convertible	44667

# AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (\*)

## CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:  
4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	G.S.		
		"350"	"400"	
		43437	44637	44667
<b>WIDTH</b>				
Track - Front	W101	59.0	59.4	
Track - Rear	W102	59.0		
Maximum overall car width	W103	75.6		
Body width at No. 2 pillar	W117	----		
<b>LENGTH</b>				
Body "O" to front of dash	L 30			
Wheelbase	L101	112.0		
Overall car length	L103	200.7		
Overhang - front	L104	37.5		
Overhang - rear	L105	51.2		
Body upper structure length	L123			
Body "O" line to $\Phi$ of rear wheel	L127	95.5		
Body "O" line to w/s cowl point	L130			
<b>HEIGHT</b>				
Passenger Distribution (front & rear)		2 - 2		
Trunk/Cargo load (lbs.)		200		
Overall height	H101	53.4	53.4	53.7
Cowl height	H114	38.3		
Deck height	H138			
Rocker panel - front	To ground	8.6		
	From front wheel $\Phi$	H112	27.2	
Rocker panel - rear	To ground	8.4		
	From rear wheel $\Phi$	H111	27.2	
Windshield slope angle	H122	53.1		
<b>GROUND CLEARANCE</b>				
Bumper to ground - front	H102	12.4		
Bumper to ground - rear	H104	11.9		
Angle of approach	H106	25.5°		
Angle of departure	H107	17.2		
Romp breakover angle	H147	12.3		
Min. running clearance (Specify)	H156	5.5 (Front Suspension)		

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MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (\*) 9-30-68

## CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions  
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	G.S.	
		"350"	"400"
		43437	44637 44667
<b>FRONT COMPARTMENT</b>			
Effective head room	H61	37.9	37.5 38.3
Max. eff. leg room - accelerator	L34	41.6	41.7
H Point to Heel point	H30	7.7	8.1
H Point travel	L17	4.7	4.8
Shoulder room	W 3	58.3	
Hip room	W 5	59.7	59.4
Upper body opening to ground	H50	48.7	48.8
<b>REAR COMPARTMENT</b>			
H Point couple distance	L50	30.6	
Effective head room	H63	36.3	37.0
Min. effective leg room	L51	32.3	32.2
H Point to Heel point	H31	10.1	10.0
Min. knee room	L48	0.7	
Rear Compartment room	L 3	24.0	
Shoulder room	W 4	57.1	47.9
Hip room	W 6	58.3	58.0 50.7
Upper body opening to ground	H51	-----	
<b>LUGGAGE COMPARTMENT</b>			
Usable luggage capacity	V 1	14.6	10.7
Liftover height	H195	28.6	
Position of spare tire storage		Horizontal	
Method of holding lid open		Torsion Bar	
<b>STATION WAGON - THIRD SEAT</b>			
Shoulder Room	W85	No Wagons - This Series	
Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
Seat facing direction			
<b>STATION WAGON - CARGO SPACE</b>			
Cargo length at floor - front seat	L202	No Wagons - This Series	
Cargo length at belt - front seat	L204		
Cargo width - Wheelhouse	W201		
Opening width at belt	W204		
Maximum cargo height	H201		
Rear opening height	H202		
Cargo volume index (cu. ft.) W4 x L204 x H201 177.8	V2		

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## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A C ratio)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		
GS "350"	350	1-4 bbl	10.25	280 @ 4600	375 @ 3200	Manual (3&4)	3.23 (Std) No Perf. or Economy - No S.C.O.
	350	1-4 bbl	10.25	280 @ 4600	375 @ 3200	Automatic	3.23 (Std) No Perf. or Economy - No S.C.O.
GS "400"	400	1-4 bbl	10.25	340 @ 5000	440 @ 3200	Manual (3&4)	3.42 (Std) 3.64 (Perf) 3.91 (S.C.O.)
	400	1-4 bbl	10.25	340 @ 5000	440 @ 3200	Automatic	2.93 (Std) 3.42 (Perf) 3.64 (S.C.O.) 3.91 (S.C.O.)

## AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED <sup>(a)</sup>

MODEL	GS	
	"350" 43437	"400" 44637

## ENGINE—GENERAL

Type, no. cyls., valve arr.	V8 - Valve-in-Head	
Bore and stroke (nominal)	3.800 x 3.850	4.040 x 3.900
Piston displacement, cu. in.	350	400
Bore spacing (C to C)	4.240	4.750
No. system (front to rear)	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-4-3-6-5-7-2	
Compres. ratio (nominal)	10.25	
Cylinder Head Material	Cast Iron	
Cylinder Block Material	Cast Iron	
Cyl. Sleeve-Wet, dry, none	None	
Number of mtg. points	Front	Two
	Rear	One
Engine installation angle	4° 37'	
Taxable horsepower	46.2	52.23
Publishing max. bhp* @ eng. RPM	280 @ 4600	340 @ 5000
Publishing max. torque* (lb. ft. @ RPM)	375 @ 3200	440 @ 3200
Recommended fuel regular - premium	Premium	

## ENGINE—PISTONS

Material	Cast Aluminum Alloy		
Description and finish	Cam Ground - Transverse Slot - Divorced Skirt		
Weight (piston only) oz.	18.192	23.152 <sup>±</sup> .064	
Clearance (limits)	Top land	.027 - .036	
	Skirt	Top	.0008 - .0014
		Bottom	.0013 - .0029
Ring groove depth	No. 1 ring	.1930 - .1855	
	No. 2 ring	.1955 - .1880	
	No. 3 ring	.1955 - .1880	
	No. 4 ring	Not Used	

\* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

## AMA Specifications—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1969	DATE ISSUED	9-4-68	REVISED (*)
MODEL			GS			
			"350" 43437			"400" 44637
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, coating, etc.	#1 - Cast Iron - Molybdenum Coated #2 - Cast Iron - Lubrited				
	Width	.077 - .078				
	Gap	.010 - .020		.013 - .023		
Oil	Description - material, coating, etc.	SAE - 1070 Steel		No Chrome		
	Width	.0235 - .0245		Chrome Plated		
	Gap	.015 - .035		.023 - .025		
Expanders		Hump Type		.015 - .055		
ENGINE - PISTON PINS						
Material		Extruded SAE - 1018				
Length		3.060		3.520		
Diameter		.9394 - .9397		.9994 - .9997		
Type	Locked in rod, in piston, floating, etc.	Pressed-in Rod				
	Bush- ing	In rod or piston	None			
		Material	None			
Clearance	In piston	.0001 - .0004 (Selected)				
	In rod	.00075 - .00125 (Select Press)				
Direction & amount offset in piston		.040 (b)		.060 (b)		
ENGINE - CONNECTING RODS						
Material		Pearlitic Malleable Iron		Forged SAE - 1141 Steel		
Weight (oz.)		22.800		24.384		
Length (center to center)		6.385		6.598 - 6.602		
Bearing	Material & Type	(a)				
	Overall length	.737		.816 - .826		
	Clearance (limits)	.0002 - .0023		.005 - .012		
	End play	.006 - .014		.005 - .012		

- (a) Steel Backed - M/400 Aluminum - Removable  
 (b) Major Thrust Side

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MODEL	"350"	GS	"400"
	43437		44637

## ENGINE—CRANKSHAFT

Material		Nodular Iron		
Vibration damper type		Rubber Absorption		
End thrust taken by bearing (No.)		Three		
Crankshaft end play		.004 - .008	.003 - .009	
Main bearing	Material & type	(a)		
	Clearance	.0004 - .0015	.0007 - .0018	
	Journal dia. and bearing overall length	No. 1	2.9995 x .864	3.250 x .865
		No. 2	2.9995 x .864	3.250 x .865
		No. 3	2.9995 x 1.057	3.250 x 1.057
		No. 4	2.9995 x .864	3.250 x .865
		No. 5	2.9995 x .864	3.250 x 1.143
No. 6	None			
No. 7	None			
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		2.000	2.249 - 2.250	

## ENGINE—CAMSHAFT

Location		Above Crankshaft at Center of "V"		
Material		Cast Iron Alloy		
Bearings	Material	Steel Backed Babbitt		
	Number	Five		
Type of Drive	Gear or chain	Chain		
	Crankshaft gear or sprocket material	Sintered Iron		
	Camshaft gear or sprocket material	Nylon Coated Aluminum		
	Timing chain	No. of links	54	48
		Width	.875	.739
Pitch		.375	.500	

## ENGINE—VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard	
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.55	1.59
Operating tappet clearance (indicate hot or cold)	Intake	None	
	Exhaust	None	

(Continued)

(a) Steel Backed - M/400 Aluminum Except #5 is Durex M/100.

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	GS	"400"
MODEL	"350" 43437	44637

## ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (+BTC)	24	14
		Closes (-ABC)	78	104
		Duration - deg.	282	298
	Exhaust	Opens (BBC)	70	88
		Closes (+ATC)	38	47
		Duration - deg.	288	315
	Valve opening overlap		62	61
SAE - 1041 (c)				
Intake	Material		SAE - 1041 (c)	
	Overall length		5.024 - 4.994	5.155 - 5.125
	Actual overall head dia.		1.880 - 1.870	2.005 - 1.995
	Angle of seat & face		45°	
	Seat insert material		None	
	Stem diameter		(a)	
	Stem to guide clearance		.0015 - .0035 (.0003 Max. Taper)	
	Lift (# zero lash)		.3766	.4187
	Outer spring press. & length	Valve closed (lb.@in.)	75 ± 5 @ 1.727	72 ± 5 @ 1.890
		Valve open (lb.@in.)	180 ± 7 @ 1.340	177 ± 7 @ 1.450
	Inner spring press. & length	Valve closed (lb.@in.)	Not Used	
		Valve open (lb.@in.)	Not Used	
Exhaust	Material		21 - 2 (c)	N82152 - (21-4N) (c)
	Overall length		5.044 - 5.014	5.175 - 5.145
	Actual overall head dia.		1.505 - 1.495	1.630 - 1.620
	Angle of seat & face		45°	
	Seat insert material		None	
	Stem diameter		(b)	
	Stem to guide clearance		.0015 - .0035 (Top) - .0025 - .0045 (Bottom)	
	Lift (# zero lash)		.3840	.4482
	Outer spring press. & length	Valve closed (lb.@in.)	75 ± 5 @ 1.727	72 ± 5 @ 1.890
		Valve open (lb.@in.)	180 ± 7 @ 1.340	177 ± 7 @ 1.450
	Inner spring press. & length	Valve closed (lb.@in.)	Not Used	
		Valve open (lb.@in.)	Not Used	

## ENGINE - LUBRICATION SYSTEM

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

(Continued)

- (a) .3725 ± .0005 Max. Allowable Taper to be .003 with Smallest Dia. @ Valve Head End.  
 (b) .3725 ± .0005 Top --- .3715 ± .0005 Bottom. (c) Aluminized Face and Chrome Flashed Stem.



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MODEL	"350" GS	"400"
	43437	44637

## ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. engine rpm)	37 @ 2400	40 @ 2400
Oil press. sending unit (elect. or mech.)	Electrical	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part., other)	Full Flow	
Filter replacement (element, complete)	Element & Can	
Capacity of c. case, less filter-refill (qt.)	Four	
Oil grade recommended (SAE viscosity and temperature range)	<u>Anticipated Lowest Temp.</u>	<u>Use SAE Viscosity</u>
	Above 32° F	10W-30; 20W or 20
	Below 32° F to Zero F	10W-30; 10W-40; 10W
	Below Zero F	5W-20; 5W-30; 5W
Engine Service Reqt. (MM, MS, etc.)	Passing Car Makers Test - G.M. 6041M	

## ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual	
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two Reverse Flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.25 - .084 (Laminated Tubing)
	Main	- - - - -
Tail pipe dia. (O.D. & wall thickness)	2.00 - .060	

## ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Closed Induction System
	Optional	None
Control Unit	Make and model	A.C.
	Location	Intake Manifold (Lifter Cavity) Rear
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)	Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold Normally with Additional Discharge into Air Cleaner Under Excessive Blow-By Condition
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner
	Flame arrestor (screen, check valve, other)	Check Valve and Screen

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				G.S.		
		"350"			"400"	
MODEL		43437			44637	

**ENGINE – EXHAUST EMISSION CONTROL**

Type (Air injection, engine modifications, other)		Combustion Control		
Air Injection Pump	Type #	Not Used		
	Displacement			
	Drive ratio			
	Drive type			
	Relief valve (type)			
	Filter (describe)			
Air Injection System	Air distribution (head, manifold, etc.)			
	Point of entry			
	Injection tube I.D.			
	Check valve type			
	Backfire protection (type)			
Carburetor	Make	Rochester		
	Model	4MV		
	Barrel size	(p) 1.3750	(s) 2.250	
	Idle speed	Drive	600	
		Neutral	700 (Manual Transmission)	
Idle A/F mixture				
Distributor	Aux. Adv. Systems (type)	None		
	Make	Delco - Remy		
	Model	1111334	1111335	
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	1100	
		Intermed. points deg. @ rpm	19° @ 1750	21° @ 1800
		Max. deg. @ rpm	28° @ 4600	32° @ 4600
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	. . . . . 7"	
		Intermed. points deg. @ in. Hg	. . . . . 16" @ 15	
Max. deg. @ in.		. . . . . 19.5 @ 25		
Vacuum Source	Intake Manifold Ported to Atmosphere at Idle			
Timing - Crank degrees @ rpm	0° BTC @ 550 (-2-1/2 @ 700 Manual-"400")			
Cooling System	T.V.S. Switch - (Automatic Transmission Only) To Advance Timing When Coolant Becomes Hot.			
Exhaust System				

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MAKE OF CAR <u>BUICK</u>		MODEL YEAR <u>1969</u>	DATE ISSUED <u>9-4-68</u>	REVISED <u>(*)</u>	
MODEL		"350"	GS	"400"	
		43437		44637	
ENGINE - FUEL SYSTEM <span style="float: right;">(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)</span>					
Induction type: Carburetor, fuel injection, supercharger.		Carburetor			
Fuel Tank	Refill capacity (U.S. gals.)	20 (Approx.)			
	Filler location	Rear			
Fuel Pump	Type (elec. or mech.)	Mechanical			
	Locations	Engine			
	Pressure range	4.25 - 5.75 at Outlet (a)	5.5 - 7.0 @ Pump Outlet (b)		
Vacuum booster (std., optional, none)		None			
Fuel Filter	Type	Pleated Paper	Woven Plastic		
	Locations	Carb. Inlet	Fuel Tank		
Carburetor	Choke type	Remote (Manifold) - Auto			
	Intake manifold heat control (exhaust or water)	Exhaust			
	Air cleaner type	Standard	Oiled Paper Element		
		Optional	Heavy Duty Dual Stage Element		
	Idle speed (spec. neutral or drive)	Manual	700 (Neutral) - A/C Same with A/C "Off"		
Automatic		600 (Drive) - A/C Same with A/C "Off"			
Idle A F mix.		14.5	14.6		

### CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
GS "350"	350	Manual (3)	Rochester	4 MV	1-4 bbl	Primary 1.3750 Secondary 2.250
	350	Automatic	Rochester	4 MV	1-4 bbl	Primary 1.3750 Secondary 2.250
GS "400"	400	Manual (3or4)	Rochester	4 MV	1-4 bbl	Primary 1.3750 Secondary 2.250
	400	Automatic	Rochester	4 MV	1-4 bbl	Primary 1.3750 Secondary 2.250

- (a) 5.5 - 7.0 @ Outlet with V.R. Lines Blocked
- (b) With Vapor Return Lines Blocked

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	G.S.	
MODEL	"350" 43437	"400" 44637

## ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure			
Radiator cap relief valve pressure		15 psi			
Circulation thermostat	Type (choke, bypass)	Choke			
	Starts to open at (°F)	190			
Water pump	Type (centrifugal, other)	Centrifugal			
	GPM @ 1000 pump rpm	10	15		
	Number of pumps	One			
	Drive (V-belt, other)	V-Belt			
	Bearing type	Double Row			
By-pass recirculation type (inter., ext.)		External			
Radiator core type (cellular, tube and fin, other)		Cross-Flow			
Cooling system capacity	With heater (qt.)	13.45	16.17(Std.)		
	Without heater (qt.)	12.62	15.34		
	Opt. equipment-specify (qt.)	13.52 (A.C.)	16.67 (A.C.)		
Water jackets full length of cyl. (yes, no)		No			
Water all around cylinder (yes, no)		Yes			
Radiator hose	Lower	Number and type (molded, straight)	One Molded		
		Inside diameter	1.50		
	Upper	Number and type (molded, straight)	One Molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	One Molded		
		Inside diameter	.62		
Fan	Number of blades & spacing		4-(65 - 115°) 7 AC	4-(65 - 115°) 5 AC	
	Diameter		18"		
	Ratio-fan to crankshaft rev.		.95 (1.15 A/C)	.92 (1.30 A/C)	
	Fan cutout type		None - (Thermo - Clutch with A/C)		
	Bearing type		Single Row Ball		
* Drive belts (indicate belt used by letter)	Fan		A	D (A/C)	E
	Generator or alternator		A	D (A/C)	E
	Water Pump		A	D (A/C)	E
	Power Steering		B		F
	Air Conditioning		C		G

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	38°	38°	38°	38°	38°	38°	38°				
Nominal length (SAE)	45.5	52.5	61.50	46.0	48.9	50.96	65.00				
Width	.38	.47	.47	.38	.38	.47	.47				

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		GS	
MODEL	"350" 43437		"400" 44637

## ELECTRICAL - SUPPLY SYSTEM

Battery	Make and Model		Delco #R-58	Delco #R-68
	Voltage Rtg. & Total Plates		12-66	
	SAE Designation & Amp. Hr. Rtg.		9MJ3F-61	9TJ3-70
	Location		Right Front Fender Skirt	
	Terminal grounded		Negative	
Generator or Alternator	Make		Delco - Remy	
	Model		1100761 (a)	
	Type and rating		Diode Rectified Alternator (37 amp) (a)	
	Output at engine idle (neutral)		15 amp Min. (b)	
	Ratio—Gen. to Cr/s rev.		2.29 (d)	2.47 (c)
Regulator	Make		Delco - Remy	
	Model		1119515	
	Type		Voltage Control	
	Cutout relay	Closing voltage generator rpm	None	
		Reverse current to open	None	
	Regu- lated	Voltage	13.6 to 14.4 @ 125°	
		Current	None	
	Voltage test conditions	Temperature	None	
		Load	Run 15 Minutes at 10 Amps (Max.)	
		Other	Battery Must Be In Circuit	

## ELECTRICAL - STARTING SYSTEM

Starting Motor	Make		Delco - Remy	
	Model		1108391	1108392
	Rotation (drive end view)		Clockwise	
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		Manual - Place selector lever in neutral and depress clutch pedal. Auto - Place selector lever in neutral or park. NOTE - Turn ignition switch key clockwise.	
	Engagement type		Solenoid with Over-Running Clutch	
Motor Drive	Pinion meshes (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	Manual 160	166
	Flywheel tooth face width	Manual	160	166
		Auto.	.375	.375

(a) 1100774 with A/C (55 amp)  
 (b) 20 amps with A/C

(c) 2.93 with A/C  
 (d) 2.66 with A/C

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MODEL	"350"	GS	"400"
	43437		44637

## ELECTRICAL - IGNITION SYSTEM

Type	Conventional - Std., Opt., N.A.		Standard	
	Transistorized - Std., Opt., N.A.		Not Available	
	Other (specify)		None	
Coil	Make		Delco - Remy	
	Model		1115247	
	Amps	Engine stopped	3.8 @ 12.6 V	
		Engine idling	2.3 @ 12.6 V	
Distributor	Make		Delco - Remy	
	Model		1111334   1111335	
	Cent'figal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	1100	
		Intermediate points deg. @ rpm	19° @ 1750	21° @ 1800
		Max. deg. @ rpm	28° @ 4600	32° @ 4600
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	6 - 8	
		Intermediate points, deg. @ in. Hg.	16.0 @ 15	
		Max. deg. in. Hg.	19.5 @ 25	
	Breaker gap (in.)		.013 - .019	
	Cam angle (deg.)		30 ± 1	
Breaker arm tension (oz.)		19 - 23		
Crankshaft deg. @ rpm		0° @ 550		
Timing	Mark location		Crankshaft Flange   Harmonic Damper	
	Make		AC	
Spark Plug	Model		R 45TS   R 44TS	
	Thread (mm)		14	
	Tightening torque (lb. ft.)		15	
	Gap		.030	
Cable	Conductor type		2000 ohms per foot (Resistance Cable)	
	Insulation type		Neoprene (with Inner Braid)	
	Spark plug protector			

## ELECTRICAL - SUPPRESSION

Locations &amp; type (a)

- (a) TVRS Cable - Spark Plugs and Coil to Distributor  
Ground Strap - Engine to Dash  
By-Pass Capacitors on Delcotron, and Regulator  
Resistor Spark Plugs

## AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (\*)

MODEL	"350"	GS	"400"
	43437		44637

## ELECTRICAL — INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Mechanical (Eddy Current)
	Trip odometer (yes,no)	No
Charge indicator — type		Indicator Light
Temperature indicator — type		"Hot" Indicator Light Only
Oil pressure indicator — type		Indicator Light - Pressure Switch
Fuel indicator — type		Electrical
Other		
Windshield wiper	Type — Standard	Electric - Dual Speed
	Type — Optional	None
Windshield washer	Type — Standard	Electric Engagement Mech. Piston Pump
	Type — Optional	None
Horn	Type	Solenoid
	Number used	Two
	Amp draw (each)	4.5/5.5

## DRIVE UNITS — CLUTCH (Manual Transmission)

Make & type	Borg & Beck (Dry)		
Type pressure plate springs	Belleville		
Total spring load (lb.)	1900 - 2100	2450 - 2750	
No. of clutch driven discs	One		
Clutch facing	Material	Woven	
	Outside & inside dia.	10.4 - 6.5	11.0 - 6.5
	Total eff. area (sq.in.)	103.5	123.7
	Thickness	.135	.140
	Engagement cushioning method	Springs	
Release bearing	Type & method of lubrication	Ball Sealed	
Torsional damping	Methods: springs, friction material	Springs	

# AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (a) 12-2-68

	GS	
MODEL	"350"	"400"
	43437	44637

### DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not Available
Automatic (std. or opt.)	Optional

### DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		Three (b) (c)	
Transmission ratios	In first	2.54 (a) (b)	2.42 (a)
	In second	1.50 (a) (b)	1.61 (a)
	In third	1.00 (a) (b)	1.00 (a)
	In fourth	(a)	(a)
	In reverse	2.63 (a) (b)	2.33 (a)
Synchronous meshing, specify gears		All Forward Gears	
Shift lever location		Steering Column (b) (c)	Floor
Lubricant	Capacity (pt.)	3.4	3.5
	Type recommended	Multi-Purpose Gear Lubricant (MIL-I-2105B)	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
	Extreme cold	SAE 80	

### DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

For transmission data see manual transmission section)

Type (planetary or other)		Not Available	
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed			
Gear ratio			
Lubricant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
	Extreme cold		

- (a) Optional 4-Speed Transmission Ratios Are:
  - 1 - 2.20      3 - 1.28      Rev. - 2.27
  - 2 - 1.64      4 - 1.00
- (b) Heavy Duty 3-Speed Manual Transmission with Floor Shift - Optional on GS 350 - (Ratios Same as G. S. 400).
- (c) 4-Speed Manual Transmission Available as Optional on GS 350 and GS 400 (Floor Shift).



# AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED <sup>(\*)</sup>12-2-68

	GS	
MODEL	"350" 43437	"400" 44637

### DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic "350"	Turbo Hydra-Matic "400"																																								
Type describe	Three Speed with Torque Converter	Three Speed with Torque Converter																																								
Selector location	Lever - Steering Column Mounted (b)																																									
List gear ratios Selector Pattern and indicate which are used in each selector position.	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;"><u>Drive</u></td> <td style="text-align: center;"><u>L<sup>2</sup></u></td> <td style="text-align: center;"><u>L<sup>1</sup></u></td> <td style="text-align: center;"><u>Rev.</u></td> </tr> <tr> <td style="text-align: center;">1st</td> <td style="text-align: center;">2.52</td> <td style="text-align: center;">2.52</td> <td style="text-align: center;">2.52</td> <td style="text-align: center;">1.93</td> </tr> <tr> <td style="text-align: center;">2nd</td> <td style="text-align: center;">1.52</td> <td style="text-align: center;">1.52</td> <td style="text-align: center;">----</td> <td style="text-align: center;">----</td> </tr> <tr> <td style="text-align: center;">3rd</td> <td style="text-align: center;">1.00</td> <td style="text-align: center;">----</td> <td style="text-align: center;">----</td> <td style="text-align: center;">----</td> </tr> </table>		<u>Drive</u>	<u>L<sup>2</sup></u>	<u>L<sup>1</sup></u>	<u>Rev.</u>	1st	2.52	2.52	2.52	1.93	2nd	1.52	1.52	----	----	3rd	1.00	----	----	----	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;"><u>Drive</u></td> <td style="text-align: center;"><u>L<sup>2</sup></u></td> <td style="text-align: center;"><u>L<sup>1</sup></u></td> <td style="text-align: center;"><u>Rev.</u></td> </tr> <tr> <td style="text-align: center;">1st</td> <td style="text-align: center;">2.48</td> <td style="text-align: center;">2.48</td> <td style="text-align: center;">2.48</td> <td style="text-align: center;">2.08</td> </tr> <tr> <td style="text-align: center;">2nd</td> <td style="text-align: center;">1.48</td> <td style="text-align: center;">1.48</td> <td style="text-align: center;">----</td> <td style="text-align: center;">----</td> </tr> <tr> <td style="text-align: center;">3rd</td> <td style="text-align: center;">1.00</td> <td style="text-align: center;">----</td> <td style="text-align: center;">----</td> <td style="text-align: center;">----</td> </tr> </table>		<u>Drive</u>	<u>L<sup>2</sup></u>	<u>L<sup>1</sup></u>	<u>Rev.</u>	1st	2.48	2.48	2.48	2.08	2nd	1.48	1.48	----	----	3rd	1.00	----	----	----
	<u>Drive</u>	<u>L<sup>2</sup></u>	<u>L<sup>1</sup></u>	<u>Rev.</u>																																						
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2nd	1.48	1.48	----	----																																						
3rd	1.00	----	----	----																																						
Max. upshift speed—drive range	(c) 47	(d) 80	1-2 = 43    2-3 = 80																																							
Max. kickdown speed—drive range	(e) 38	(f) 70	2-1 = 24    3-2 = 74																																							
Torque converter	Number of elements			Three																																						
	Max. ratio at stall			2.05																																						
	Type of cooling (air, liquid)			Water																																						
	Nominal diameter			11.75																																						
Lubricant	Capacity—refill (pt.)		20 Total - 6.0 Drain    23.0 Total - 7.0 Drain																																							
	Type recommended			"DEXRON" R Automatic Transmission Fluid																																						
Special transmission features																																										

### DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Exposed	
Outer diam. x length <sup>1</sup> x wall thickness	Manual 3-speed trans.	3.00 x 56.00 x .065
	Manual 4-speed trans.	3.25 x 60.00 x .065
	Overdrive transmission	Not Available
	Automatic transmission	3.00 x 56.00 x .065 (a)    3.24 x 55.10 x .065 (a)

<sup>1</sup> Center to center of universal joints, or to centerline of rear attachment.

(Continued)

- |                               |               |
|-------------------------------|---------------|
| (a) With Rubber Biscuit Drive | (d) 2-3 Shift |
| (b) Console Lever - Optional  | (e) 2-1 Shift |
| (c) 1-2 Shift                 | (f) 3-2 Shift |

# AMA Specifications—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1969	DATE ISSUED	9-4-68	REVISED (*)
		GS				
MODEL		"350"	43437	"400"	44637	

### DRIVE UNITS — PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)	None			
	Lubrication (fitting, prepack)	None			
Slip Yoke	Type	Male Slip Yoke at Transmission Where Primary Slip is Taken			
	Number of teeth	27 O.D. Fit-(Man. Trans.) 27 P.D. Fit-(Auto. Trans.)		28 O.D. Fit-(Man. Trans.) 32 P.D. Fit-(Auto. Trans.)	
	Spline O.D.	1.1750 - 1.1745 (Manual) 1.166 - 1.150 (Automatic)		1.373 - 1.357 (Automatic)	
Universal joints	Make and Mfg. No.	Saginaw			
	Number used	Two			
	Type (ball and trunnion, cross)	Cross			
	Rear attach. (u-bolt, clamp, etc.)	U-Bolt			
	Bearing	Type (plain, anti-friction)	Needles - (Anti-Friction)		
Lubric. (fitting, prepack)		Prepack			
Drive taken through (torque tube or arms, springs)		Arms			
Torque taken through (torque tube or arms, springs)		Arms			

### DRIVE UNITS — AXLE

Type (front, rear)		Rear				
Description		Salisbury Hypoid - Semi-Floating Positive Traction (Optional)				
Limited Slip differential, type		Positive Traction (Optional)				
Drive Pinion Offset		1.750				
No. of differential pinions		2				
Pinion adjustment (shim, other)		Shim				
Pinion bearing adj. (shim, other)		Collapsible Spacer				
Wheel bearing type		Roller				
Lubricant	Capacity (pt.)	2.90				
	Type recommended	MIL-L-2105B				
	SAE viscosity number	Summer	80			
		Winter	80			
	Extreme cold	80				

### AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		(a)	(b)	(c)	(d)	(e)
		3.23	3.42	3.64	3.91	2.93
No. of teeth	Pinion	13	12	11	11	14
	Ring gear	42	41	40	43	41
Ring Gear O.D.		8.500				

- (a) Std. - Manual (3) and Auto. (GS350)      (b) Std. - Manual (3&4) - (GS400) - Also Perf. Ratio - Auto. Asm.      (c) Perf. Ratio - Manual (3&4) (GS400)
- (d) S.C.O. - Manual (3&4) and Auto. - (GS400)      (e) Std. - Auto. - (GS400)

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b> BUICK	<b>MODEL YEAR</b> 1969	<b>DATE ISSUED</b> 9-4-68	<b>REVISED (*)</b>
<b>MODEL</b>	"350" 43437	GS	"400" 44637

**DRIVE UNITS – WHEELS**

Type & material		Disc Steel	
Rim (size & flange type)	Sid.	14 x 6.00 "JK"	
	Opt.	None	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.750	
	Number and size	Five - .4375 - 20	
<b>MODEL</b>	"350" 43437		"400" 44637

**DRIVE UNITS – TIRES**

Standard	Size, ply rating, & ply		7.75 - 14 (Two-Ply with 4-Ply Rating)	7.75 - 14 Whitewall
	Type (bias, radial, etc.)		Bias Angle	
	Full rated Inflation Press.	Front	26	28
		Rear	28	28
Rev./Mile at 50 MPH				
Optional	Size, ply rating, & ply		8.25 - 14 (Two-Ply with 4-Ply Rating) 205R-14 Radial or F70-14 Wide Oval Opt. 7.75-14 4-Ply Nylon (Export)	8.25 - 14 and F70-14 Wide Oval 7.75-14 4-Ply Nylon (Export) 205R-14 Radial

**BRAKES – PARKING**

Type of control		Step-On (Hand Release)
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

## AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (●)9-30-68

	"350"	G.S.	"400"
MODEL	43437	44637	44667

## BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)		Drum (a)		
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	None		
Power brake make & type (remote, int., etc.)	Std. Opt.	No Delco - Moraine - (Int. Vac. Susp.)		
Effective area (sq. in.) *		152.0		
Gross lining area (sq. in.) **		158.1		
Swept area (sq. in.) ***		268.6		
Front to Rear Effectiveness Relationship		62.4 - (Fronts) - (b)		
Drum	Diameter (nominal)	Front	9.495 - 9.505	
		Rear	9.495 - 9.505	
	Type and material	Composite Cast Iron	(c)	
Rotor	Outer working diameter			
	Inner working diameter			
	Working width			
	Material & type (vented/solid)			
Wheel cylinder bore	Front		1.125	
	Rear		.875	
Master Cylinder	Bore		1.000	
	displacement	Front %	59.0	
	distribution	Rear %	41.0	
Pedal arc ratio		6.46 (d)		
Line pressure at 100 lb. pedal load		830 psi (e)		
Shoe Clearance	Front		.015	
	Rear		.015	
Brake Lining	Bonded or riveted		Riveted	
	Front Wheel	Material		Extruded Molded
		Size (length x width x thickness)	Prim. or out-board	7.57 x 2.50 x .196 (Gross) - .096 (Net)
			Second. or in-board	9.83 x 2.50 x .265 (Gross) - .165 (Net)
		Segments per shoe		One
	Rear Wheel	Material		Extruded Molded
		Size (length x width x thickness)	Prim. or out-board	7.57 x 2.00 x .196 (Gross) - .096 (Net)
			Second. or in-board	9.83 x 2.00 x .265 (Gross) - .165 (Net)
Segments per shoe		One		

\* Excludes rivet holes, grooves, chamfers, etc. \*\* Includes rivet holes, grooves, chamfers, etc.

\*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

(a) Power Disc Fronts, Optional

(b) Based on Wheel Cyl. Size Only

(c) Fronts - Finned Aluminum with Cast Iron Liners. Rears - Composite G.I.

(d) 3.44 when Optional Power Brake Equipped

(e) 1130 psi with 30# Pedal Load when Power Brake Equipped.

## AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (\*)

	G.S.	
MODEL	"350" 43437	"400" 46637

## STEERING

Manual (std., opt., NA)		Standard	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt (a)	
	(std., opt., NA)	Optional (a)	Optional
Wheel diameter	Manual	16.00"	
	Power	16.00"	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	41.55 - 42.20
		Curb to curb (l. & r.)	38.38 - 38.96
	Inside rear	Wall to wall (l. & r.)	21.44 - 22.48
		Curb to curb (l. & r.)	22.12 - 23.12
Manual	Gear	Type	Recirculating Ball Nut
		Make	Saginaw
	Ratios	Gear	24.0
		Overall	28.6
	No. wheel turns (stop to stop)		5.56
Power	Type (coaxial, linkage, etc.)		In-Line Rotary Valve
	Make		Saginaw
	Gear	Type	Recirculating Ball-Nut (Integral with Power Piston)
		Ratios	Gear
	Overall		20.9 (b)
	Pump driven by		Belt
No. wheel turns (stop to stop)		4.06	
Linkage	Type		Parallelogram
	Location (front or rear of wheels, other)		Front of Wheels
	Drag link (trans. or longit.)		Transverse
	Tie rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		8° 0' @ 1° 0'
	Bearings (type)	Upper	Ball Joint Suspension Used
		Lower	Ball Joint Suspension Used
		Thrust	Ball Joint Suspension Used
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		- 1/2° ± 30' (Curb Height)
	Camber (deg.)		+ 1/2° ± 30' (Curb Height)
	Toe-in (outside track inches)		.12 to .25 (Curb Height)
Steering spindle & joint type		Ball	
Wheel Spindle	Diameter	Inner bearing	1.3748/1.3743
		Outer bearing	.8435/ .8430
	Thread size		.750 - 20 UNF
	Bearing type		Tapered Roller

(a) Not available with manual transmission with column shift,

(b) 17.9 with Optional 15-1 Gear.

## AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (•)

MODEL	"350"	GS	"400"
	43437		44637

## SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	No	
Provision for brake dip control	Yes	
Provision for acc. squat control	Yes	
Special provisions for car jacking	No	
Shock absorber front & rear	Type	Direct
	Make	Delco
	Piston dia.	1.00
Other special features	None	

## SUSPENSION – FRONT

Type and description		Coil Springs and Ball Joint
Spring	Type	Coil
	Material	SAE - 9260 Steel
	Size (coil design height & I.D. bar length x dia.)	11.31 Design Ht. - 3.60 I.D. 110 x .621   122 x .643
	Spring rate (lb. per in.)	410
	Rate at wheel (lb. per in.)	142
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	.970 (1070 Steel)

## SUSPENSION – REAR

Type and description		Coil Springs
Drive and torque taken through		Arms
Spring	Type	Coil
	Material	SAE - 9260 Steel
	Size (length x width, coil design height & I.D., bar length & dia.)	7.62 Design Ht. - 5.50 I.D. 96 x .560   98 x .540
	Spring rate (lb. per in.)	144   122
	Rate at wheel (lb. per in.)	144   122
	Mounting insulation type	Rubber
	If leaf	No. of leaves
	Shackle (comp. or tens.)	Not Used
Stabilizer	Type (link, linkless, frameless)	Linkless (Optional)
	Material	1070 Steel .875 Dia.
Track bar type		Not Used

# AMA Specifications—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1969	DATE ISSUED	9-4-68	REVISED (a)
MODEL	"350" 43437	GS	"400" 44637			

**FRAME**

Type and description (Separate frame, unitized frame, partially - unitized frame)	Perimeter (Separate Frame)
---	----------------------------

**BODY – MISCELLANEOUS INFORMATION**

Drs. hinged (front, rr.)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Acrylic Lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle Ident. No. location		Left Side of Upper Instrument Panel
Engine No. location	Left Cylinder Block at Front Below Head	Right Cylinder Head at Rear on Boss
Theft protection - type		Ignition - Steering Integral Lock
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	- - -
Seat cushion type	Front	Zig - Zag
	Rear	Zig - Zag
	3rd seat	- - - - -
Seat back type	Front	Zig - Zag
	Rear	Zig - Zag
	3rd seat	- - - - -
Windshield glass type (i.e., single curved - laminated plate)		Compound Curved (Laminated Type)
Side glass type (i.e., curved - tempered plate)		Curved (Tempered Plate)
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Single Curved (Tempered Plate)
Windshield glass exposed surface area		1208.7
Side glass exposed surface area		1300.2
Backlight glass exposed surface area		895.1
Total glass exposed surface area		3404.0

# AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (\*)9-30-68

	G. S.	
MODEL	"350" 43437	"400" 44637

### CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Optional
	Vent windows	Not Available
	Backlight or tailgate	Not Available
Power seats (specify type as well as availability)		Optional (4-Way tilt)
Reclining front seat back (R-L or both)		Optional (Bucket Seats)
Front seat head restrainer (R-L or both)		Standard
Radios (specify type as well as availability)		Optional (Sonomatic or AM/FM)
Rear seat speaker		Optional
Power antenna		(a) Optional (Exc. Convertible)
Clock		Optional
Air conditioner (specify type and availability)		Optional
Speed warning device		Optional (N.A. with Speed Control)
Speed control device		Optional (Except with Manual Trans.)
Ignition lock lamp		Not Available
Dome lamp		Standard
Glove compartment lamp		Optional
Luggage compartment lamp		Optional
Underhood lamp		Dealer Installed
Courtesy lamp		Standard
Map lamp		Not Available
Auto. trans. quad. lamp		On Optional Console Cars Only
Cornering light lamp		Not Available
Emergency Flasher		Standard
Ash Receiver Lamp		Optional

### LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	26.47		25.96
		Lowest	-----		
	Tail	Highest	20.94		
		Lowest	-----		
Sidemarker	Front	22.31		21.8	
	Rear	25.21		24.7	
Distance from C L of car to center of bulb	Headlamp	Inside	25.73		
		Outside *	32.11		
	Tail	Inside	20.78		
		Outside	27.96		
	Directional	Front	29.42		
		Rear	14.18		

\* If single headlamps are used enter here:

(a) Included with AM/FM Radio



# AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED 9-4-68 REVISED (\*)12-2-68

## WEIGHTS

Model	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
	Front	Rear	Total	Pass. In Front		Pass. In Rear		Fuel	Coolant
				Front	Rear	Front	Rear		
G.S. "350"									
43437	1882	1646	3528	52.09	47.91	19.20	80.80	122	28
G.S. "400"									
44637	2017	1654	3671	53.55	46.45	18.67	81.33	122	34
44667	2019	1697	3716	53.02	46.98	18.86	81.14	122	34
Accessories & Equipment Differential Weights									
									Remarks
Transmission, S.T. 350	26.96	7.06	34.02	G.S. 350					
Transmission, S.T. 400	14.24	5.27	19.51	G.S. 400					
Transmission, 4-Spd. Man.	-1.88	-0.74	-2.62	G.S. 350					
Transmission, 4-Spd. Man.	-20.40	-7.95	-28.35	G.S. 400					
Power Steering	29.45	-----	29.45						
Power Brakes	9.48	-----	9.48						
Disc Brakes, Front	34.06	3.54	37.60	G.S. 350					
Disc Brakes, Front	44.22	3.54	47.76	G.S. 400					
Console, Full	6.50	3.96	10.46						
Consolette	3.38	4.12	7.50						
Radio, Sonomatic	6.00	2.30	8.30						
Radio, AM/FM	6.50	2.50	9.00						
Tires, Whitewall	2.43	3.64	6.07	G.S. 350					
Tires, F70-14	4.74	7.11	11.85	G.S. 400					
Rallye Control Package	-0.64	12.84	12.20						
Air Conditioner	110.96	-2.26	108.70	G.S. 350					
Air Conditioner	113.31	-2.31	111.00	G.S. 400					
Power Seat, 4-Way	9.50	9.00	18.50						
Power Windows	10.54	10.96	21.50						
Tilt Steering Wheel	1.68	1.03	2.71						

\*Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).