

1971

AMA SPECIFICATIONS FORM

. . . Passenger Car

MANUFACTURER BUICK MOTOR DIVISION GENERAL MOTORS CORPORATION	CAR NAME BUICK SKYLARK - SKYLARK CUSTOM - G.S.	
MAILING ADDRESS 902 E. HAMILTON AVENUE FLINT, MICHIGAN 48550	MODEL YEAR 1 9 7 1	ISSUED 10-3-70 <hr/> REVISED (●)

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

AMA Specifications Form—Passenger Car

TABLE OF CONTENTS

BODY MODEL	1
CAR AND BODY DIMENSIONS	2-3-27-28
POWER TEAMS	4
ENGINE	5-9
EXHAUST SYSTEM	9
FUEL SYSTEM	10
COOLING SYSTEM	11
VEHICLE EMISSION CONTROL	12
ELECTRICAL	13-15
DRIVE UNITS	16-18
TIRES AND WHEELS	19
BRAKES	19-20
STEERING	21
SUSPENSION – FRONT AND REAR	22
FRAME.....	23
BODY – MISCELLANEOUS INFORMATION	23
CONVENIENCE EQUIPMENT	24
LAMP HEIGHT AND SPACING ..	24
VEHICLE WEIGHTS	25
OPTIONAL EQUIPMENT WEIGHTS	26
INDEX	29

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.

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*)

BODY MODEL	Body type, number of passengers, and style names; use manufacturer's code for series & body style.	
<u>SERIES</u>	<u>BODY STYLE</u>	<u>MODEL DESIGNATION</u>
SKYLARK	2 Door Thin Pillar Coupe 2 Door Hardtop Coupe 4 Door Thin Pillar Sedan	43327 43337 43369
SKYLARK CUSTOM	2 Door Hardtop Coupe 4 Door Hardtop Sedan 2 Door Convertible 4 Door Thin Pillar Sedan	44437 44439 44467 44469
G.S.	2 Door Hardtop Coupe 2 Door Convertible	43437 43467

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (a)

CAR AND BODY DIMENSIONS

See Pages 27, 28 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.	SKYLARK			SKYLARK CUSTOM			G.S.	
		43327	43337	43369	44437	44439	44467	44469	43437

WIDTH

Dimension	SAE Ref. No.	43327	43337	43369	44437	44439	44467	44469	43437	43467
Track - Front	W101	59.0						59.36		
Track - Rear	W102				59.00					
Maximum overall car width	W103				77.34					
Body width at No. 2 pillar	W117									

LENGTH

Dimension	SAE Ref. No.	43327	43337	43369	44437	44439	44467	44469	43437	43467
Body "O" to front of dash	L 30									
Wheelbase	L101	112.00	116.00	112.00	116.00	112.00	116.00	112.00	116.00	112.00
Overall car length	L103	203.22	207.22	203.22	207.22	203.22	207.22	203.22	207.22	203.22
Overhang - front	L104	41.54								
Overhang - rear	L105	49.68								
Body upper structure length	L123									
Body "O" line to ϕ of rear wheel	L127	95.50	99.50	95.50	99.50	95.50	99.50	95.50	99.50	95.50
Body "O" line to w/s cowl point	L130									

HEIGHT

Dimension	SAE Ref. No.	43327	43337	43369	44437	44439	44467	44469	43437	43467
Passenger Distribution (front & rear)		2-2								
Trunk/Cargo load (lbs.)										
Overall height	H101	53.33	54.05	53.53	54.25	53.85	54.25	53.53	53.85	53.85
Cowl height	H114	38.21			38.41					
Deck height	H138									
Rocker panel - front	To ground	8.55			8.75					
	From front wheel ϕ									
Rocker panel - rear	To ground	8.35			8.55					
	From rear wheel ϕ									
Windshield slope angle	H122									

GROUND CLEARANCE

Dimension	SAE Ref. No.	43327	43337	43369	44437	44439	44467	44469	43437	43467
Bumper to ground - front	H102	12.45			12.65					
Bumper to ground - rear	H104	11.81			12.01					
Angle of approach	H106	20° 30'			23° 13'					
Angle of departure	H107	17° 0'			19° 57'					
Ramp breakover angle	H147	11° 0'			12° 0'					
Min. running clearance (Specify)	H156	5.63	5.25	5.83	5.45	5.83	5.45	5.83	5.45	5.83 (a)

(a) H152 - Exhaust System to Ground

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (#)5-1-71

CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	SKYLARK			SKYLARK CUSTOM				G.S.	
		43327	43337	43369	44437	44439	44467	44469	43437	43467

FRONT COMPARTMENT

Effective head room	H61	37.9	38.6	37.5	38.3			37.9	38.7	
Max. eff. leg room – accelerator	L34	41.3		41.7				41.6		
H Point to Heel point	H30	8.2		8.1				7.7		
H Point travel	L17	4.7	4.8				4.7			
Shoulder room	W 3	58.5	58.4	58.5	58.4	58.5	58.4	58.5		
Hip room	W 5	59.8		59.4	59.5	59.4	59.5			
Upper body opening to ground	H50	48.05	48.65	48.95	48.85	49.65	48.85	49.15	48.85	48.95

REAR COMPARTMENT

H Point couple distance	L50	30.6	32.8	30.6	32.8	30.6	32.8	30.6	
Effective head room	H63	36.3	37.3	36.3	37.3	37.0	37.3	36.3	37.0
Min. effective leg room	L51	32.4	34.8	32.2	34.8	32.2	34.8	32.3	
H Point to Heel point	H31	10.0	10.6	10.0	10.6	10.0	10.6	10.1	
Min. knee room	L48	0.7	2.3	0.7	2.3	0.7	2.3	0.7	
Rear Compartment room	L 3	23.7	25.9	23.7	25.9	23.7	25.9	23.7	
Shoulder room	W 4	57.1	57.3	57.1	57.3	47.8	57.3	57.1	47.8
Hip room	W 6	58.4	53.0	59.5	52.5	59.2	50.7	52.5	50.7
Upper body opening to ground	H51	---		48.45	---	49.15	---	48.65	---

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	14.2			12.8	14.2			
Liftover height	H195	28.55		28.75					
Position of spare tire storage		Horizontal							
Method of holding lid open		Torsion Rods							

STATION WAGON – THIRD SEAT

Shoulder Room	W85	---								
Hip room	W86	---								
Effective leg room	L86	---								
Effective head room	H86	---								
Seat facing direction		---								

STATION WAGON – CARGO SPACE

Cargo length at floor – front seat	L202	---								
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.) #4 x L204 x H201 1728	V2	---								

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*) 5-1-71

POWER TEAMS

(Indicate whether standard or optional.)

(Gross bhp (brake horsepower) and gross torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.)

(Net bhp (brake horsepower) and net torque corrected to 85° F and 29.00 in. Hg atmospheric pressure.)

MODEL AVAILABILITY	ENGINE							TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. cu. in.	Ccarb	Comp. Ratio	BHP @ RPM		Torque @ RPM			
				Gross	Net	Gross	Net		
SKYLARK & SKYLARK CUSTOM	350	2-bb1	8.5	230 @4400	155 @3800	350 @2400	270 @2400	Manual (3) Automatic	3.08 2.56, 3.08 Perf.
	350	4-bb1	8.5	260 @4600	180 @3800	360 @3000	275 @2800	Manual (3) Automatic	3.08 2.73, 2.56 Econ. 3.08 Perf.
	(a) 350	4-bb1	8.5	260 @4600	195 @4000	360 @3000	290 @2800	Manual (3) Automatic	3.08 2.73, 2.56 Econ. 3.08 Perf.
G.S.	(a) 350	4-bb1	8.5	260 @4600	195 @4000	360 @3000	290 @2800	Manual (3)(4) Automatic	3.08, 3.42 Perf. 3.08, 3.42 Perf.
	455	4-bb1	8.5	315 @4400	255 @4200	450 @2800	380 @2800	Manual (4) Automatic	3.42 3.08, 3.42 Perf.
	* 455	4-bb1	8.5	345 @5000	275 @4400	460 @3000	395 @3000	Manual (4) Automatic	3.42 LS 3.42 LS

(a) Dual Exhaust

* Stage I

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (a) 5-1-71MODEL SKYLARK SKYLARK CUSTOM G.S.
43369 44469 43437

ENGINE - GENERAL

Type, no. cyls., valve arr.	V8 90°, In Head	
Bore and stroke (nominal)	3.800 x 3.850	
Piston displacement, cu. in.	350	
Bore spacing (C to C)	4.240	
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)		
Cylinder Head Combustion Chamber Volume (cc)		
Cylinder Head Material	Cast Alloy Iron	
Cylinder Block Material	Cast Alloy Iron	
Cyl. Sleeve-Wet, dry, none	None	
Number of mtg. points	Front	Two
	Rear	One
Engine installation angle	4° 37'	
Taxable horsepower	Dia ² xNo. Cyl.	46.2
	2.5	
Recommended fuel regular - premium	91 Octane, No Lead or Low Lead	

ENGINE - PISTONS

Material	Cast Aluminum Alloy		
Description and finish	Cam Ground - Transverse Slot - Divorced Skirt		
Weight (piston only) oz.	18.192		
Clearance (limits)	Top land	.013 - .018	
	Skirt	Top	.0008 - .0014
		Bottom	.0013 - .0029
Ring groove diameter	No. 1 ring	.1930 - .1855	
	No. 2 ring	.1955 - .1880	
	No. 3 ring	.1955 - .1800	
	No. 4 ring	---	

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (a) 5-1-71MODEL SKYLARK SKYLARK CUSTOM G.S.
43369 44469 43437

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	.013 - .023
Oil	Description material, coating etc.	SAE - 1070 - Steel No Chrome
	Width	.0235 - .0245
	Gap	.015 - .035
Expanders		Hump Type

ENGINE - PISTON PINS

Material	Extruded SAE - 1018	
Length	3.060	
Diameter	.9391 - .9394	
Type	Locked in rod, in piston, floating, etc.	Pressed-In Rod
	Bush- ing	None
	In rod or piston Material	None
Clearance	In piston	.0004 - .0007 (Selected)
	In rod	.00075 - .00125 (Select Press)
Direction & amount offset in piston	.040" (Major Thrust Side)	

ENGINE - CONNECTING RODS

Material	Pearlitic Malleable Iron	
Weight (oz.)	22.800	
Length (center to center)	6.385	
Bearing	Material & Type	Steel Backed - M/400 Aluminum - Removable
	Overall length	.737
	Clearance (limits)	.0002 - .0023
	End play	.006 - .014

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*)5-1-71

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
-------	------------------	-------------------------	---------------

ENGINE - CRANKSHAFT

Material	Nodular Iron		
Vibration damper type	Rubber Absorption		
End thrust taken by bearing (No.)	3		
Crankshaft end play	.002 - .006		
Main bearing	Material & type	Steel Backed M/400 Aluminum (#5 Durex 100A) - Removable	
	Clearance	.0004 - .0015	
	Journal dia. and bearing overall length	No. 1	2.9995 - .864
		No. 2	2.9995 - .864
		No. 3	2.9995 - 1.057
		No. 4	2.9995 - .864
		No. 5	2.9995 - .864
		No. 6	None
	No. 7	None	
Dir. & amt cyl. offset	None		
No. bolts/main brg. cap			
Crankpin journal diameter	2.000		

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	Aluminum - Nylon Coated	
	Timing chain	No. of links	54
		Width	.875
Pitch		.375	

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*)5-1-71

MODEL		SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437	
ENGINE - VALVE SYSTEM					
Hydraulic lifters (Std. op. NA)		Standard			
Valve rotator, type (intake, exhaust)		None			
Rocker ratio		1.55			
Operating tappet clearance (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (°BTC)	24	28	
		Closes (°ABC)	78	74	
		Duration - deg.	282		
	Exhaust	Opens (°BBC)	84		
		Closes (°ATC)	40		
		Duration - deg.	304		
Valve opening overlap		64	68		
Intake	Material		SAE - 1041 (a)		
	Overall length		5.024 - 4.994		
	Actual overall head dia.		1.880 - 1.870		
	Angle of seat & face		45		
	Seat insert material		None		
	Stem diameter		.3720 - .3730		
	Stem to guide clearance		.0015 - .0035 (.0003 Max. Taper)		
	Lift (+ zero lash)		.3818		
	Outer spring press. & length	Valve closed (lb. in.)	75 ± 5 @ 1.727		
		Valve open (lb. in.)	180 ± 7 @ 1.340		
	Inner spring press. & length	Valve closed (lb. in.)	None		
		Valve open (lb. in.)	None		
	Exhaust	Material		21-2 (b)	
		Overall length		5.044 - 5.014	
Actual overall head dia.		1.495 - 1.505			
Angle of seat & face		45			
Seat insert material		None			
Stem diameter		.3730 - .3723 (.0002 Max. Taper)			
Stem to guide clearance		.0015 - .0032			
Lift (+ zero lash)		.3984			
Outer spring press. & length		Valve closed (lb. in.)	72 ± 7 @ 1.727	Including Damper	
		Valve open (lb. in.)	197 ± 10 @ 1.340	Including Damper	
Inner spring press. & length	Valve closed (lb. in.)	None			
	Valve open (lb. in.)	None			

- (a) Aluminized Face and Chrome Flashed Stem
 (b) Nickel-Plated Face and Chrome Flashed Stem

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*) 5-1-71

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
-------	------------------	-------------------------	---------------

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	Splash and Nozzle
	Cylinder walls	Splash and Nozzle
Oil pump type		Gear
Normal oil pressure (lb. - engine rpm)		37 @ 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)		Complete
Capacity of a case, less filter-refill (qt.)		4.0
Oil grade recommended (SAE viscosity and temperature range)	<u>Anticipated Lowest Temp.</u>	<u>SAE Viscosity</u>
	Above 32°F.	10W-30, 20W, 20
	32°F. to Zero F.	10W-30, 10W-40, 10W
	Below Zero F.	5W-20, 5W-30, 5W
Engine Service Reqmt. (MM, MS, etc.)	Passing Car Makers Test G.M. 6041M	

ENGINE - EXHAUST SYSTEM

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

(a) Laminated Tubing

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED ^(e) 5-1-71

MODEL	SKYLARK	SKYLARK CUSTOM	G.S.
	43369	44469	43437

ENGINE – FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U.S. gals.)	Approx. 20	
Fuel Tank	Filler location	Rear	
Fuel Pump	Type (elec. or mech.)	Mechanical	
Fuel Pump	Locations	Engine (Right Frt)	
Fuel Pump	Pressure range	4.25-5.75 (a) (b)	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Mesh Plastic	Pleated Paper
Fuel Filter	Locations	Fuel Tank	Carb. Inlet
Choke type		Automatic (Remote)	
Intake manifold heat control (exhaust or water)		None	
Carburetor	Air cleaner type	Standard	Oiled Paper Element
	Air cleaner type	Optional	Heavy Duty Dual State Element
	Idle speed (spec. neutral or drive)	Manual	800 (Neutral) A/C "Off"
Automatic		600 (Drive) A/C "Off"	
Idle A/F mix.			

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
SKYLARK SKYLARK CUSTOM	350	Manual (3) or Automatic	Rochester	2GV	1-2bb1	1.69
	350	Manual (3) or Automatic	Rochester	4MV	1-4bb1	(p)1.375 (s)2.250
G.S.	350	Manual (3-4) or Automatic	Rochester	4MV	1-4bb1	(p)1.375 (s)2.250
	455	Manual (4) or Automatic	Rochester	4MV	1-4bb1	(p)1.375 (s)2.250

(a) At Outlet

(b) With Vapor Return Line Blocked

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*) 5-1-71

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43436
-------	------------------	-------------------------	---------------

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)	192 - 198	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	60 @ 4400	
	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.)	16.45	
	Without heater (qt.)	15.34	
	Opt. equipment-specify (qt.)	16.52 (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	
	Diameter	18.0	
	Ratio-fan to crankshaft rev.	.95	
	Fan cutout type	None (A/C Thermo Clutch with A/C)	
	Bearing type	Single Row	
* Drive belts (indicate belt used by letter)	Fan	E (F-A/C)	
	Generator or alternator	E (F-A/C)	
	Water Pump	E (F-A/C)	
	Power Steering	G	
	Air Conditioning	H	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V					38°	38°	38°	38°			
Nominal length (SAE)					45.08	46.00	42.20	60.00			
Width					.38	.38	.47	.47			

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED 05-1-71

MODEL	<u>SKYLARK</u> 43369	<u>SKYLARK CUSTOM</u> 44469	<u>G.S.</u> 43437
-------	-------------------------	--------------------------------	----------------------

VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Controlled Combustion	
	Air Injection Pump	Type	None	
		Displacement		
		Drive ratio		
		Drive type		
		Relief valve (type)		
		Filter (describe)		
	Air Injection System	Air distribution (head, manifold, etc.)	None	
		Point of entry		
		Injection tube i.d.		
Check valve type				
Backfire protection (type)				
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	Standard Optional	Closed Induction System None	
	Control Unit	Make and model	A.C.	
		Location	Intake Manifold	
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable Orifice	
	Complete system	Discharges (to intake manifold, other)	Intake Manifold Normally with Additional Discharge into Air Cleaner	
		Air inlet (breather cap, other)	Carburetor Air Cleaner	
		Flame arrester (screen, other)	Check Valve and Screen	
	Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	Approx.20
			Thermal expansion volume (cu. ft.)	
Pressure relief location (lbs.)			25 - 35 In. H ₂ O	
Vacuum relief location (lbs.)			5 - 14 In. H ₂ O	
Vapor-liquid separator type			Standpipe	
Vapor Storage		Vapor vented to (crankcase, cannister, other)	Carbon Cannister	
		Carbu- retor	Vapor vented to (crankcase, cannister, other)	Vented Internally - No External Vent
			Storage provision (crankcase, cannister, other)	Carbon Cannister
		Control	Volume (cu. ft.) or capacity (grams)	
			Control valve type	Carburetor Throttle Body Purge Ports

AMA Specifications Form—Passenger Car

MAKE OF CAR BULCK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*) 5-1-71MODEL SKYLARK SKYLARK CUSTOM G.S.
43369 44469 43437

ELECTRICAL - SUPPLY SYSTEM

Battery	Make and Model		Delco Y58	
	Voltage Rtg. & Total Plates		12-66	
	SAE Designation & Amp. Hr. Rtg.		9MJ3F-61	
	Location		R.F. Engine Compartment	
Terminal grounded		Negative		
Generator or Alternator	Make		Delco-Remy	
	Model		100905 (a)	
	Type and rating		Diode Rectified Alternator (37 Amps) (d)	
	Output at engine idle (neutral)		15 Amps (b)	
	Ratio-Gen. to Cr/s rev.		2.29 (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	13.5 to 14.4	
		Current	None	
	Voltage test conditions	Temperature	Approx. 125° Underhood	
Load		Run 15 Min. at 10 Amps. Max.		
Other		Battery Must be in Circuit		

ELECTRICAL - STARTING SYSTEM

Starting Motor	Make		Delco-Remy
	Model		1108391
	Rotation (drive end view)		Clockwise
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		Manual - Place Selector Lever in Neutral and Depress Clutch Automatic - Place Selector Lever in Neutral or Park NOTE: Turn ignition key clockwise.
	Engagement type		Solenoid with Over-Running Clutch
Motor Drive	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	
		Flywheel	Manual Auto.
	Flywheel tooth face width	Manual	.375
		Auto.	.375

- (a) 1100891 with A/C
 (b) 20 Amps with A/C
 (c) 2.66 with A/C
 (d) 55 Amp with A/C

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED ^(*)5-1-71MODEL SKYLARK SKYLARK CUSTOM G.S.
43369 44469 43437

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

Breaker gap (in.)		.013 - .019	
Cam angle (deg.)		30° ± 1°	
Breaker arm tension		19 - 23 oz.	
Distributor	Manual	Delco-Remy 1112006	Delco-Remy 1112006
	Automatic	Delco-Remy 1112037	1112077
Timing	Manual	6° BTC @ 600	6° BTC @ 600
	Automatic	10° BTC @ 600	4° BTC @ 600

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
1112006	900	9 @ 2000	18 @ 4600	6-8	18.0 @ 16
1112037	1500	5 @ 1750	12 @ 4600	6-8	18.0 @ 16
1112077	1500	16 @ 2000	18 @ 3000	6.5-8.5	20.0 @ 15

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED ^(a)5-1-71

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
-------	------------------	-------------------------	---------------

ELECTRICAL - IGNITION SYSTEM

Type	Conventional - Std., Opt., N.A.	Standard	
	Transistorized - Std., Opt., N.A.	NA	
	Other (specify)	None	
Coil	Make	Delco-Remy	
	Model	1115247	
	Amps	Engine stopped	3.8 @ 12.6V
		Engine idling	2.3 @ 12.6V
Spark Plug	Make	A.C.	
	Model	R45TS	
	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	Hypalon Boot	

ELECTRICAL - SUPPRESSION

Locations & type	TVRS Cable - Spark Plugs and Coil to Distributor. Condensers at Coil, Voltage Regulator and Delcotron. Resistor Type Spark Plugs, and Ground Strap at Engine to Dash.
------------------	---

ELECTRICAL - INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	Mechanical (Eddy Current)	
	Trip odometer (std. opt., N.A.)	NA	
Charge indicator - type	Indicator Light		
Temperature indicator - type	"HOT" Only (Indicator Light)		
Oil pressure indicator - type	Indicator Light (Pressure Switch)		
Fuel indicator - type	Electrical		
Wind-shield wiper	Type - Standard	Electric Two-Speed (b)	
	Type - Optional	None	
Wind-shield washer	Type - Standard	Electrical Engagement (Mech. Piston Pump)	
	Type - Optional	None	
Horn	Type	Solenoid	
	Number used	One	Two
	Amp draw (each)	4.5 - 5.5	
Other			

(b) Non-Depressed Type Standard on Series 433

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*)5-1-71

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
-------	------------------	-------------------------	---------------

DRIVE UNITS — CLUTCH (Manual Transmission)

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

DRIVE UNITS — TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Standard	
Manual 4-speed (std., opt. N.A.)	Not Available	Optional
Automatic (std., opt. N.A.)	Optional	

DRIVE UNITS — MANUAL TRANS.

Number of forward speeds	3		4	
Transmission ratios	In first	2.54	2.20	
	In second	1.50	1.64	
	In third	1.00	1.28	
	In fourth	--	1.00	
	In reverse	2.63	2.27	
Synchronous meshing, specify gears	All Forward			
Shift lever location	Steering Column			
Lubricant	Capacity (pt.)	3.4		
	Type recommended	Multi-Purpose Gear Lubricant (MIL-L-2105B)		
	SAE viscosity number	Summer	80	
		Winter	80	
	Extreme cold	80		

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (e)

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
--------------	------------------	-------------------------	---------------

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo-Hydramatic 350					
Type describe	3-Speed with Torque Converter					
Selector location	Steering Column (a)					
List gear ratios Selector Pattern and indicate which are used in each selector position		<u>Drive</u>	<u>L²</u>	<u>L¹</u>	<u>REV</u>	
	1st	2.52	2.52	2.52	1.93	
	2nd	1.52	1.52	-	-	
	3rd	1.00	-	-	-	
Max. upshift speed—drive range	(b) 43	(c) 70	(b) 50	(c) 81	(b) 45	(d) 75
Max. kickdown speed—drive range	(d) 34	(e) 61	(d) 41	(e) 72	(c) 35	(e) 66
Torque converter	Number of elements					
	3					
	Max. ratio at stall					
	2.25					
Torque converter	Type of cooling (air, liquid)					
	Water					
	Nominal diameter					
11.75						
Lubricant	Capacity—refill (pt.)					
	20 Total - 6 Drain					
Special transmission features	Type recommended					
	Dexron [®] Automatic Transmission Fluid					

DRIVE UNITS -- PROPELLER SHAFT

Number used	One		
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight Tube		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25 x 59.14 x .065	3.00 x 55.14 x .065
	Manual 4-speed trans.	Not Available	3.00 x 54.43 x .065
	Overdrive transmission	Not Available	
	Automatic transmission	3.25 x 59.14 x .065 Rubber Biscuit Drive at Rear of Shaft	(f) 3.00 x 55.14 x .065 (g) 3.00 x 54.24 x .065

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

(Continued)

- (a) Console Lever Optional on G.S.
- (b) 1-2 Shift (d) 2-3 Shift
- (c) 2-1 Shift (e) 3-2 Shift
- (f) Turbo-Hydramatic 350
- (g) Turbo-Hydramatic 400

AMA Specifications Form—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1971	DATE ISSUED	10-3-70	REVISED (e)
MODEL		SKYLARK	SKYLARK CUSTOM	G.S.		
		43369	44469	43437		

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter-mediate 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. & Auto.)	27 O.D. FIT (M & A) 32 O.D. FIT (4-Sp & A)
	Spline O.D.	1.176/1.175	1.176/1.175 (M & A) 1.376/1.377 (4-Sp & A)
Universal joints	Make and Mfg. No.	SAGINAW	
	Number used	2	
	Type (ball and trunnion, cross)	CROSS	
	Rear attach. (u-bolt, clamp, etc.)	STRAP	
	Bearing	Type (plain, anti-friction)	NEEDLES - (Anti-Friction)
Lubric. (fitting, prepack)		PRE-PACKED	
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	
Limited Slip differential, type		POSITIVE TRACTION (OPTIONAL)	
Drive Pinion Offset		1.175	
No. of differential pinions		2	
Pinion adjustment (shim, other)		SHIM	
Pinion bearing adj. (shim, other)		COLLAPSIBLE SPACER	
Wheel bearing type		ROLLER	
Capacity (pt.)		4.25	
Type recommended		SAE GL-5	
Lubricant	SAE viscosity number	Summer	90
		Winter	90
		Extreme cold	90

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.08	2.56	2.73	3.42
No. of teeth	Pinion	13	16	15	12
	Ring gear	40	41	41	41
Ring Gear O.D.				8.500	

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED ^(*)

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
--------------	------------------	-------------------------	---------------

DRIVE UNITS – WHEELS

Type & material		Disc - Steel	
Rim (size & flange type)	Std.	14 x 6.00 "JK"	
	Opt.	None	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.750	
	Number and size	Five - .4375 - 20	

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply	F78 - 14	G78 - 14	
	Type (bias, radial, etc.)	(Two-Ply Sidewall with Four-Ply Tread)		
	Full rated Inflation Press.	Front	Fiberglas Belted	
		Rear	26	
	Rev./Mile at 50 MPH	785	28	
Optional	Size, ply rating, & ply	G78 - 14		
		H78 - 14		
		(Two-Ply Sidewall with Four-Ply Tread)		
		H78-14 4-Ply White Nylon (Export)	G70 - 14 Wide Oval	
		8.55-14 4-Ply White Nylon (Export)	G60 - 15 Wide Oval	

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 Form—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1971	DATE ISSUED	10-3-70	REVISED (e)
MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437			

BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)		Drums (Pwr. Frt. Disc Opt.)		
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	None		
Power brake make & type (remote, int., etc.)	Std. Opt.	None 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		
Drum	Diameter (nominal)	Front	9.495 - 9.505	
		Rear	9.495 - 9.505	
Type and material		Composite Cast Iron		
Rotor	Outer working diameter		11.00	
	Inner working diameter		7.00	
	Working width		1.035	
	Material & type (vented/solid)		Cast Iron (Vented)	
Wheel cylinder bore	Front	1.125		
	Rear	.875		
Master Cylinder	Bore	1.00		
	Stroke			
Pedal arc ratio				
Line pressure at 100 lb. pedal load				
Shoe Clearance	Front	.015		
	Rear	.015		
Anti-skid device type (std., opt., N.A.)		None		
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
			Second. or in-board	9.83 x 2.50 x .265
		Segments per shoe		One
	Rear Wheel	Material	Extruded Molded	
		Size (length x width x thickness)	Prim. or out-board	7.57 x 2.0 x .196
			Second. or in-board	9.83 x 2.0 x .265
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.)

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*)

SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
------------------	-------------------------	---------------

STEERING

Manual (std., opt., NA)		Standard			
Power (std., opt., NA)		Optional			
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt (Not Available with Column Shift Manual Transmission)			
	(std., opt., NA)	Optional			
Wheel diameter	Manual	16.00"			
	Power	16.00"			
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	45.3 (b)	44.5 (c)	
		Curb to curb (l. & r.)	41.7	41.4	
	Inside rear	Wall to wall (l. & r.)	23.1	23.4	
		Curb to curb (l. & r.)	23.6	24.0	
Manual	Gear	Type	Recirculating Ball Nut		
		Make	Saginaw		
	Ratios	Gear	28.0		
		Overall	33.04		
	No. wheel turns (stop to stop)		6.64		
Power	Type (coaxial, linkage, etc.)		In-Line Rotary Valve		
	Make		Saginaw		
	Gear	Type	Variable Ratio Recirculating Ball-Nut (Int. with Pwr. Piston)		
		Ratios	Gear	(a)	
		Overall	18.7 in Center - 16.1 at Ends of Travel		
	Pump driven by		Belt		
No. wheel turns (stop to stop)		3.31			
Linkage	Type		Parallelogram		
	Location (front or rear of wheels, other)		Front		
	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° ± 1/2° (1° Side to Side Variation)		
	Camber (deg.)		+1/2° ± 1/2° (1° Side to Side Variation)		
	Toe-in (outside track inches)		3/16" in ± 1/8"		
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) 16:1 for +4° Pitman shaft travel in center - 12.2:1 at ends of travel

(b) 116" Wheelbase

(c) 112" Wheelbase

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (a)
 MODEL SKYLARK SKYLARK CUSTOM G.S.
43369 44469 43437

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	Direct
Type	Delco
Make	1.00
Piston dia.	
Other special features	None

SUSPENSION – FRONT

Type and description	Independent Suspension Stamped "A" Frame Upper and Lower Control Arms Coil Spring and Ball Joint		
Spring	Type	Coil	
	Material	SAE 5160	
	Size (coil design height & I.D.; bar length x dia.)	137 x .618	115.5 x .647
	Spring rate (lb. per in.)	310	450
	Rate at wheel (lb. per in.)	112	154
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	(a)880	(a) .970

SUSPENSION – REAR

Type and description	4 Link - Coil Springs - Rubber Bushings		
Drive and torque taken through	Control Arms		
Spring	Type	Coil	
	Material	SAE 5160	
	Size (length x width, coil design height & I.D.; bar length & dia.)	117 x .550	96 x .560
	Spring rate (lb. per in.)	106	144
	Rate at wheel (lb. per in.)	101	144
	Mounting insulation type	Rubber	
Stabilizer	If leaf	Not Used	
	No. of leaves	Not Used	
	Shackle (comp. or tens.)	Not Used	
Type (link, linkless, frameless)	Linkless (Optional)		
Material	1070 Steel (.875")		
Track bar type	Not Used		

(a) 1070. Steel

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISSED (*)

	SKYLARK	SKYLARK CUSTOM	G.S.
MODEL	43327 43337 43369	44437 44439 44467 44469	43437 43467

FRAME

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

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		Right Side									
		Below Distributor	Pad on Left Front Cylinder Block								
Theft protection - type		Anti-Theft Steering Column Lock									
Vent window control method (crank, friction pivot)	Front	Crank	None	Crank	None	Crank	None	Crank	None		
	Rear	None									
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)									
Side glass type (i.e., curved - tempered plate)		Curved (Tempered)									
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Single Curved (Tempered)									
Windshield glass exposed surface area		1208.7	1249.6	1208.7	1249.6	1211.8	1249.6	1208.7	1211.8		
Side glass exposed surface area		1189.9	1334.0	1181.4	1334.0	1291.0	1260.4	1181.4	1334.0		
Backlight glass exposed surface area						895.1			539.7	895.1	539.7
Total glass exposed surface area		3293.7	3437.8	3326.1	3437.8	3435.7	3011.9	3326.1	3437.8	3011.9	

AMA Specifications Form—Passenger Car

Page 24

Page 24

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (e)

MODEL	SKYLARK 43369	SKYLARK CUSTOM 44469	G.S. 43437
-------	------------------	-------------------------	---------------

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Optional		
	Vent windows	NA		
	Backlight or tailgate	NA		
Power seats (specify type as well as availability)		4-Way - Optional		
Reclining front seat back (R-L or both)		NA		
Front seat head restrainer (R-L or both)		Standard		
Radios (specify type as well as availability)		Sonomatic, Sonomatic AM/FM - Optional		
Rear seat speaker		Optional		
Power antenna		NA		
Clock		Optional		
Air conditioner (specify type and availability)		Optional		
Speed warning device		Optional		
Speed control device		Optional with V8 Engine and Automatic Transmission		
Ignition lock lamp		NA		
Dome lamp		Standard		
Glove compartment lamp		Optional	Standard	Optional
Luggage compartment lamp		Optional		
Underhood lamp		Dealer Installed Option		
Courtesy lamp		Optional	Standard	Optional
Map lamp		Optional		
Auto. trans. quad. lamp		Included with Automatic Transmission		
Cornering light lamp		NA		

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	26.37		26.57
		Lowest			
	Tail	Highest	22.05		22.25
		Lowest			
Sidemarker	Front				
	Rear				
Distance from C/L of car to center of bulb	Headlamp	Inside			
		Outside *			
	Tail	Inside			
		Outside			
	Directional	Front			
		Rear			

* If single headlamps are used enter here.

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED ^(*)3-8-71

VEHICLE 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		
<u>Skylark</u>									
<u>43327</u>	<u>1749</u>	<u>1614</u>	<u>3363</u>	<u>50.61</u>	<u>49.39</u>	<u>20.25</u>	<u>79.79</u>	<u>122.00</u>	<u>34.60</u>
<u>43337</u>	<u>1752</u>	<u>1617</u>	<u>3369</u>	<u>50.30</u>	<u>49.70</u>	<u>20.12</u>	<u>79.88</u>	<u>122.00</u>	<u>34.60</u>
<u>43369</u>	<u>1776</u>	<u>1639</u>	<u>3415</u>	<u>50.49</u>	<u>49.51</u>	<u>20.20</u>	<u>79.80</u>	<u>122.00</u>	<u>34.60</u>
 <u>Skylark Custom</u>									
<u>44437</u>	<u>1933</u>	<u>1647</u>	<u>3580</u>	<u>52.67</u>	<u>47.33</u>	<u>21.13</u>	<u>78.87</u>	<u>122.00</u>	<u>36.52</u>
<u>44439</u>	<u>2004</u>	<u>1708</u>	<u>3712</u>	<u>52.47</u>	<u>47.53</u>	<u>21.04</u>	<u>78.96</u>	<u>122.00</u>	<u>36.52</u>
<u>44467</u>	<u>1964</u>	<u>1673</u>	<u>3637</u>	<u>52.68</u>	<u>47.32</u>	<u>21.23</u>	<u>78.77</u>	<u>122.00</u>	<u>36.52</u>
<u>44469</u>	<u>1954</u>	<u>1665</u>	<u>3619</u>	<u>52.67</u>	<u>47.31</u>	<u>21.13</u>	<u>78.87</u>	<u>122.00</u>	<u>36.52</u>
 <u>G.S.</u>									
<u>43437</u>	<u>1934</u>	<u>1646</u>	<u>3580</u>	<u>52.46</u>	<u>47.54</u>	<u>21.04</u>	<u>78.96</u>	<u>122.00</u>	<u>36.52</u>
<u>43467</u>	<u>1962</u>	<u>1672</u>	<u>3634</u>	<u>52.48</u>	<u>47.52</u>	<u>21.04</u>	<u>78.96</u>	<u>122.00</u>	<u>36.52</u>

*Reference — SAE Aerospace-Automotive drawing standards, Section E 1 02 (d).

AMA Specifications Form—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1971 DATE ISSUED 10-3-70 REVISED (*)5-1-71

OPTIONAL EQUIPMENT WEIGHTS

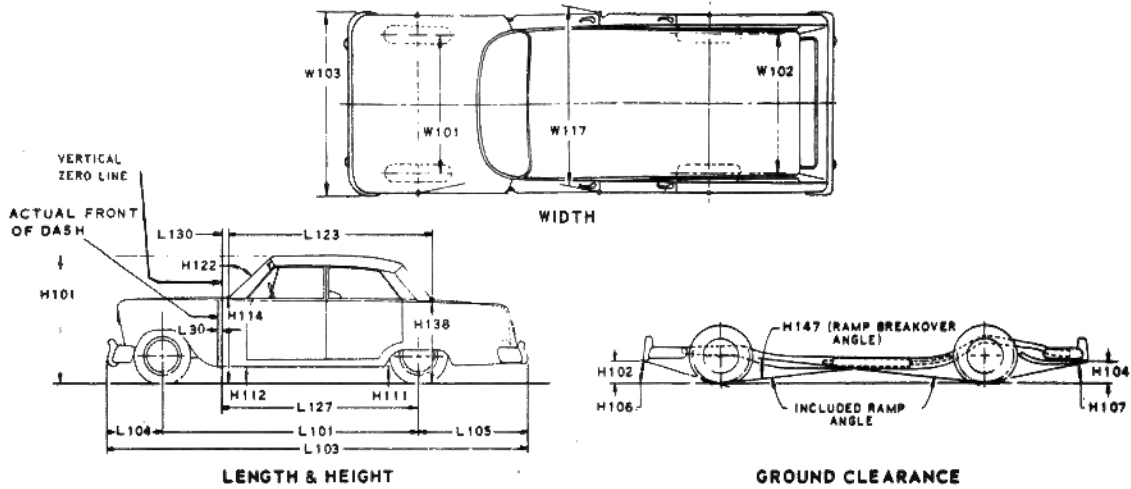
Equipment Differential Weights	WEIGHT POUNDS			Remarks
	Front	Rear	Total	
V8 Engine-Hi Perf	206.00	29.00	235.00	Skylark
V8 Engine-Hi Perf	11.00	21.00	32.00	Skylark Custom
Automatic Transmission	12.00	4.00	16.00	Skylark
Automatic Transmission	22.00	7.00	29.00	Skylark Custom
Brakes - Power Disc	25.00	-	25.00	Skylark & Skylark Custom
Brakes - Power	10.00	-	10.00	" " "
Radio, Sonomatic	7.00	-	7.00	" " "
Radio, AM/FM	8.00	-	8.00	" " "
Air Conditioner	14.00	-2.00	112.00	Skylark
Air Conditioner	109.00	-2.00	107.00	Skylark Custom
Cooling - Heavy Duty	20.00	-	20.00	Skylark
Cooling - Heavy Duty	10.00	1.00	11.00	Skylark Custom
Power Windows - 2 Dr	11.00	12.00	23.00	Skylark & Skylark Custom
Power Windows - 4 Dr	13.00	14.00	27.00	" " "
Cruise Master	6.00	-	6.00	" " "
Electric Door Locks - 2Dr	3.00	5.00	8.00	" " "
- 4Dr	6.00	9.00	15.00	" " "
GSX-Auto Trans & Console	214.00	99.00	313.00	43437 Only
GSX-4 Spd Man & Console	200.00	92.00	292.00	43437 Only
Auto Trans - THM 350	21.00	7.00	28.00	G.S.
Manual Trans - 4 Speed	-2.00	-1.00	-3.00	"
Console Full Length	7.00	7.00	14.00	"
Power Brakes	10.00	-	10.00	"
Power Disc Brakes	25.00	-	25.00	"
Power Steering	29.00	-	29.00	"
Sonomatic Radio	7.00	-	7.00	"
Sonomatic AM/FM Radio	8.00	-	8.00	"
15" Whls & Billboard Tires	25.00	38.00	63.00	"
Air Conditioner	109.00	-2.00	107.00	"
Heavy Duty Cooling	10.00	1.00	11.00	"
Four-Way Power Seat	10.00	10.00	20.00	"
Power Windows	11.00	12.00	23.00	"
Electric Door Locks	3.00	5.00	8.00	"
Cruise Master	6.00	-	6.00	"
Super Sport Wheels	3.00	5.00	8.00	"
Instrument Cluster Group	4.00	-	4.00	"
Rallye Steering Wheel	-1.00	-	-1.00	"

AMA Specifications Form—Passenger Car

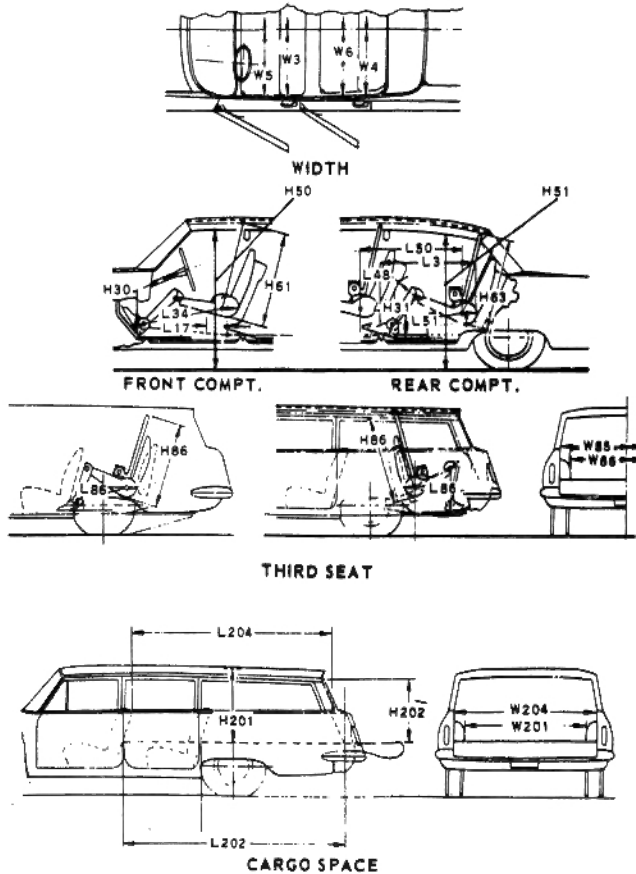
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C.L. of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C.L. of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface of car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e. bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e. bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference, measured with car sitting on a level surface using lines tangent to arcs of front and rear static loaded radius and intersecting at point on underside of car which defines the smallest angle.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and the instep or lower leg.
- H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFT-OVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat foot is positioned 1 foot well or to nearest interference with rear end or rear closure.
- H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension measured between wheelhouses at floor level.
- W204 OPENING WIDTH AT BELT. The maximum horizontal dimension measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail- and lift-gates fully open.
- V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

1728

INDEX

SUBJECT	PAGE NO.	SUBJECT	PAGE NO.
Automatic Transmission	17	Kingpin (Steering Axis)	21
Axis, Steering	21	Lamp height and spacing	24
Axle, Rear	18	Legroom	3
Battery	13	Lengths - Car and Body	2
Bearings, Engine	5, 6, 7	Lifters, valve	8
Belts - Fan, Generator, Water Pump	11	Linings - Clutch, Brake	16, 20
Brakes - Parking, Service Power	19, 20	Lubrication	9, 16, 17, 18
Camber	21	Luggage Compartment	3
Camshaft	7	Motor, Starting	13
Capacities		Muffler	9
Cooling System	11		
Fuel Tank	10	Piston Pins & Rings	5, 6
Lubricants		Pistons	5, 6
Engine Crankcase	9	Power Brakes	20
Transmission and Overdrive	16, 17	Power Steering	21
Rear Axle	18	Power Teams	4
Car and Body Dimensions		Propeller Shaft, Universal Joints	17, 18
Width	2	Pumps - Oil, Fuel	9, 10
Length	2	Water	11
Height	2	Radiator, Hoses	11
Ground Clearance	2	Ratios - Axle	4, 18
Front Compartment	3	Compression	4, 5
Rear Compartment	3	Steering	21
Luggage Compartment	3	Transmission	16, 17
Station Wagon - Third Seat	3	Rear Axle	4, 18
Station Wagon - Cargo Space	3	Regulator - Generator	13
Carburetor	4, 10, 12	Rims	19
Caster	21	Rings, Piston	6
Choke, Automatic	10	Rods - Connecting	6
Clutch - Pedal Operated	16	Shock Absorbers, Front & Rear	22
Coil, Ignition	15	Spark Plugs	15
Connecting Rods	6	Speedometer	15
Convenience Equipment	24	Springs - Front & Rear Suspension	22
Cooling System	11		
Crankcase Ventilation System	12	Stabilizer (Sway Bar) - Front & Rear	22
Crankshaft	7	Starting System	13
Cylinders and Cylinder Head	5	Steering	21
Dimension Definitions		Supply System	13
Key Sheet	27, 28	Suppression - Ignition, Radio	15
Exterior & Interior	27, 28	Suspension - Front & Rear	22
Distributor - Ignition	14		
Electrical System	13, 14, 15	Tail Pipe	9
Engine		Thermostat, Cooling	11
Bore, Stroke, Displacement, Type	5	Timing, Engine & Valve	8, 14
Compression Ratio	4, 5	Tires	19
Firing Order, Cylinder Numbering	5	Toe in	21
General Information, H.P. & Torque	4, 5	Torque Converter	17
Lubrication	9	Torque - Engine, Rated	4
Power Teams	4	Transmission - Types	4, 10, 16, 17
Exhaust Emission Control	12	Automatic	4, 10, 16, 17
Exhaust System	9	Manual	4, 10, 16
Equipment Availability	24	Ratios	16, 17
Fan, Cooling	11	Track	2
Filters - Engine Oil, Fuel System	9, 10	Trunk Luggage Capacity	3
Frame	23	Turning Diameter	21
Front Suspension	22	Unitized Construction	23
Fuel, Fuel Pump, Fuel System	5, 10	Universal Joints, Propeller Shaft	17, 18
Fuel Injection	10	Valves - Intake & Exhaust	8
Generator and Regulator	13	Vibration Damper	7
Glass	23	Voltage Regulator	13
Height (Lamps)	24	Water Pump	11
Headroom - Body	3	Weights	25, 26
Heights - Car and Body	2	Wheel Alignment	21
Horns	15	Wheelbase	2
Horsepower - Brake	4	Wheels & Tires	19
Ignition System	14	Wheel Spindle	21
Inflation - Tires	19	Widths - Car and Body	2
Instruments	15	Windshield	23
		Windshield Wiper	15