

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	1968
		ISSUED	Sept. 9, 1967
		REVISED (e)	

NOTES

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

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BODY - TYPES AND STYLE NAMES -

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

<u>SERIES</u>	<u>BODY STYLE</u>	<u>MODEL DESIGNATION</u>
GS "350"	2 Door 6 Passenger Hardtop Coupe	43437
GS "400"	2 Door 6 Passenger Hardtop Coupe	44637
	2 Door 6 Passenger Convertible	44667

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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 and are shown with vehicle load of two passengers in front and three in rear, except where otherwise noted.

MODEL	SAE Ref. No.	"350" 43437	GS	"400" 44637
WIDTH				
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		←---	
LENGTH				
Body "O" to front of dash	L 30		0"	
Wheelbase	L101		112.0	
Overall car length	L103		200.7	
Overhang - front	L104		37.47	
Overhang - rear	L105		51.19	
Body upper structure length	L123			
Body "O" line to C of rear wheel	L127		99.50	
Body "O" line to w/s cowl point	L130			
HEIGHT				
Overall height	H101	53.51		53.0
Cowl height	H114	38.49		37.98
Deck height	H138	40.71		39.99
Rocker panel - front	To ground	8.7		8.2
	From front wheel C	27.19		26.47
Rocker panel - rear	To ground	8.5		8.0
	From rear wheel C	25.80		25.07
Windshield slope angle	H122		53.1	
GROUND CLEARANCE				
Bumper to ground - front	H102	12.08		11.57
Bumper to ground - rear	H104	12.04		11.53
Angle of approach	H106		24° 30'	
Angle of departure	H107		17° 30'	
Ramp breakover angle	H147		12° 20'	
Min. running clearance (Specify)	H156	5.61 (Exh. Pipe)		5.48 (Oil Pan)

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(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	"350" 43437	GS	"400" 44637
FRONT COMPARTMENT				
Effective head room	H61		37.8	
Max. eff. leg room - accelerator	L34		42.1	
H Point to Heel point	H30		9.5	
H Point travel	L17		4.7	
Shoulder room	W 3		58.8	
Hip room	W 5		60.0	
Upper body opening to ground	H50	48.9		48.4
REAR COMPARTMENT				
H Point couple distance	L50		30.6	
Effective head room	H63		36.3	
Min. effective leg room	L51		33.1	
H Point to Heel point	H31		9.5	
Min. knee room	L48		1.1	
Rear Compartment room	L 3		25.5	
Shoulder room	W 4		58.2	
Hip room	W 6		59.5	
Upper body opening to ground	H51		- - - -	
LUGGAGE COMPARTMENT				
Usable luggage capacity	V 1		13.7	
Liftover height	H195	28.7		28.2
Position of spare tire storage			Horizontal	
Method of holding lid open			Torsion Bar	
STATION WAGON - THIRD SEAT				
Shoulder Room	W85		No Station Wagons	
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		No Station Wagons	
Cargo length at belt - front seat	L204		- - - - -	
Cargo width - wheelbase	W201		- - - - -	
Opening width at belt	W204		- - - - -	
Maximum cargo height	H201		- - - - -	
Rear opening height	H202		- - - - -	
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	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	1-4Bb1	10.25	280 @ 4600	375 @ 3200	Manual (3)	3.23 (Std) No Econ. 3.42 (Perf.) 3.64 (S.C.O.)
	350	1-4Bb1	10.25	280 @ 4600	375 @ 3200	Manual (4)	3.23 (Std) No Econ. 3.42 (Perf.)
	350	1-4Bb1	10.25	280 @ 4600	375 @ 3200	Automatic	3.23 (Std) No Econ. 3.42 (Perf.)
GS "400"	400	1-4Bb1	10.25	340 @ 5000	440 @ 3200	Manual (3&4)	3.42 (Std) No Perf. or Economy 3.91 (S.C.O.)
	400	1-4Bb1	10.25	340 @ 5000	440 @ 3200	Automatic	2.93 (Std) 3.42 (Perf) 3.64 (S.C.O.) 3.91 (S.C.O.)

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		GS	
MODEL	"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		
Compress. 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	2.5	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.			23.152 ± .064
Clearance (limits)	Top land	.027 - .036	.034 - .042
	Skirt	Top	.0008 - .0014
		Bottom	.0013 - .0029
Ring groove depth	No. 1 ring	.1930 - .1855	.2090 - .2165
	No. 2 ring	.1955 - .1880	.2115 - .2190
	No. 3 ring	.1955 - .1880	.1815 - .1890
	No. 4 ring	Not Used	

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

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MODEL	"350" 43437	GS		"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 - Lubricated	
	Width	.077 - .078	
	Gap	.010 - .020	.013 - .023
Oil	Description - material, coating, etc.	SAE - 1070 Steel	
	Width	No Chrome .0235 - .0245	Chrome Plated .023 - .025
	Gap	.015 - .035	.015 - .055
Expanders	Hump Type		Steel Oil Ring (Abut. Type)

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	
	End play	.006 - .014	.005 - .012

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

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		GS
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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	
	Journal dia. and bearing overall length	No. 1	2.9995 x .864
		No. 2	2.9995 x .864
		No. 3	2.9995 x 1.057
		No. 4	2.9995 x .864
		No. 5	2.9995 x .864
		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
		Width	.875
		Pitch	.375

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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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
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 lubrication (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 Frt. Cam Bearing
	Cylinder walls	Splash & Nozzle

(a) .3725 ± .0005 Max. Allowable taper (Continued) 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	
	<u>Anticipated Lowest Temp.</u>	<u>Use SAE Viscosity</u>
Oil grade recommended (SAE viscosity and temperature range)	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 Reqmt. (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	- - - -
	Main	2.25 - .084 (Laminated)
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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MODEL		"350" 43437		GS		"400" 44637	

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Combustion Control						
		Not Used						
Air Injection Pump	Type							
	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							
	Idle speed	Drive	550			600		
		Neutral	700 (Manual Transmission)					
	Idle A/F mixture							
Distributor	Aux. Adv. Systems (type)	None						
	Make	Delco - Remy						
	Model	1111285						
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	1100					
		Intermed. points deg. @ rpm	21 @ 1800					
		Max. deg. @ rpm	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	Int, Man, Ported to Atmosphere at Idle						
Timing - Crank degrees @ rpm		0° BTC @ 550						
Cooling System (describe changes)								
Exhaust System (describe changes)								

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	GS	
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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.)	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 Otl. (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	(P)- 1.375 (S)- 2.250
	350	Automatic	Rochester	4 MV	1-4 Bbl	(P)- 1.375 (S)- 2.250
GS - "400"	400	Manual (3or4)	Rochester	4 MV	1-4 Bbl	Primary- 1.375 Secondary- 2.250
	400	Automatic	Rochester	4 MV	1-4 Bbl	Primary- 1.375 Secondary- 2.250

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

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MODEL "350" 43437 GS "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-(76 - 104°) 7 AC	4-(76 x 104°) 5 AC	
	Diameter	18"		
	Ratio-fan to crankshaft rev.	85 (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	50.66	46.0	48.95	50.96	63.5				
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 P. oles		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		1100691 (a)	1100761 (a)
	Type and rating		Diode Rectified Alternator (b) (e)	
	Output at engine idle (neutral)		15 amp Min. (c)	
Ratio—Gen. to Cr/s rev.		2.47 (d)		
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		1108380	1108354
	Rotation (drive end view)		Clockwise	
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		Manual - Place selector lever in neutral and depress clutch. Auto. - Place selector lvr. in neutral or park. NOTE: Turn ignition switch key clockwise.	
			Solenoid with Over-Running Clutch	
Motor Drive	Engagement type		Front	
	Pinion meshes (front, rear)		9	
	Number of teeth	Pinion	9	
		Flywheel	Manual	160
	Auto.		160	166
Flywheel tooth face width		Manual	.375	
		Auto.	.375	

- (a) 1100774 with A/C
- (b) 42 amps on "350"
37 amps on "400"

- (c) 20 amps with A/C
- (d) 2.93 with A/C
- (e) 55 amps with A/C

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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	1111330	1111285	
	Cent'gal 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		
Timing	Crankshaft deg.@rpm	0° @ 550		
	Mark location	Crankshaft Flange	Harmonic Damper	
Spark Plug	Make	AC		
	Model	45TS	44TS	
	Thread (mm)	14		
	Tightening torque (lb. ft.)	15		
	Gap	.030		
Cable	Conductor type	4000 ohms per foot (Resistance Cable)		
	Insulation type	Neoprene (with Inner Braid)		
	Spark plug protector	Hypalon Boot		

ELECTRICAL - SUPPRESSION

Locations & type	(a)
------------------	-----

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

AMA Specifications—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1968	DATE ISSUED	9-9-67	REVISED (*)
MODEL	"350" 43437	GS	"400" 44637			

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	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		
Wind-shield wiper	Type – Standard	Electric – Dual Speed
	Type – Optional	None
Wind-shield washer	Type – Standard	Standard
	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 x 6.50
	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 1968	DATE ISSUED 9-9-67	REVISED (e)
MODEL	"350" 43437	GS	"400" 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)	2.42 (a)	
	In second	1.50 (a)	1.61 (a)	
	In third	(a)	(a)	
	In fourth	- - - (a)	(a)	
	In reverse	2.63 (a)	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-L-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)		Not Available	
Type (planetary or other)			
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.
- (c) 4-Speed Manual Transmission Available on All Styles - Optional on GS 350 - (Floor Shift)

AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1968 DATE ISSUED 9-9-67 REVISED ^(a)11-15-67

	GS	
MODEL	"350" 43437	"400" 44637

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		Super Turbine (Optional)						
Type describe		Two 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		<u>Drive</u>	<u>Low</u>	<u>Rev.</u>	<u>Drive</u>	<u>L²</u>	<u>L¹</u>	<u>Rev.</u>
		1st 1.765	1.765	1.765	1st 2.48	2.48	2.48	2.08
		2nd 1.000	- - -	- - -	2nd 1.48	1.48	- -	- -
					3rd 1.00	- -	- -	- -
Max. upshift speed–drive range (Nom)		62			1-2 = 43		2-3 = 80	
Max. kickdown speed–drive range (Nom)		58			2-1 = 24		3-2 = 74	
Torque converter	Number of elements	Three						
	Max. ratio at stall	2.25			2.05			
	Type of cooling (air, liquid)	Water						
	Nominal diameter							
Lubricant	Capacity–refill (pt.)	19.0 Total – 5.0 Drain			23.0 Total – 7.0 Drain			
	Type recommended	"DEXRON" Ⓢ Automatic Trans. 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* x wall thickness	Manual 3-speed trans.	3.00 x 56.00 x .065	
	Manual 4-speed trans.	Not Available	
	Overdrive transmission	Not Available	
	Automatic transmission	3.00 x 56.00 x .065 (a)	3.24 x 55.10 x .065 (a)

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

(Continued)

(a) With Rubber Biscuit Drive.

(b) Console Lever – Optional.

AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1968 DATE ISSUED 9-9-67 REVISED (e) 11-15-67

		GS
MODEL	"350" 43437	"400" 44637

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. 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)	1.1995 - 1.1945 (Man. Trans.) 1.373 - 1.357 (Auto.)
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)	Needle (Anti-Friction Type)
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				
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		Ball		
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) & Automatic (GS 350)

(b) Std. - Manual (3 & 4) - (GS 400) - Also Perf. Ratio - Automatic Asm.

(c) Perf. Ratio - Manual 3 & 4 (GS 400)

(d) S.C.O. - Manual 3 & 4 and Automatic (GS 400)

(e) Std. - Automatic (GS 400)

AMA Specifications—Passenger Car

MAKE OF CAR		BUICK		MODEL YEAR		1968		DATE ISSUED		9-9-67		REVISED (*)	
MODEL				"350"		GS		"400"					
				43437				44637					
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									
MODEL				"350"		GS		"400"					
				43437				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.)		Rayon - Polyester									
		Full rated Inflation Press.		Front		24				26			
				Rear		26							
		Rev./Mile at 50 MPH		785				800					
Optional		Size, ply rating, & ply		8.25 - 14 (Two-Ply with 4-Ply Rating) 205R-14 Radial or F70-14 Wide Oval Opt.				F70-14 Wide Oval (Red or White Line) (No Extra Cost)					
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 1968 DATE ISSUED 9-9-67 REVISED (a)
 MODEL "350" 43437 GS "400" 44637

BRAKES - SERVICE

Type (drum or disc)		Drum Type - Duo-Servo (Std.)		
Self adjusting (std., opt., N.A.)		Standard		
Power brake make & type (remote, int., etc.)	Std.	-		
	Opt.	Delco-Moraine (Int. Vac. Susp.) - (Pwr. Disc Frts. Opt.)		
Effective area (sq. in.)*		152.0		
Gross lining area (sq. in.)**		158.1		
Swept area (sq. in.)***		268.6		
Percent brake effectiveness - front		62.4 (c)		
Drum or Disc	Diameter (nominal)	Front	9.495/9.505	
		Rear	9.495/9.505	
	Type and material		Composite Cast Iron (a)	
	Disc (vented or solid)		Vented - (Fronts Only - Optional)	
No. pistons per caliper		4		
Wheel cylinder bore	Front	1.125		
	Rear	.875		
Master Cylinder	Bore	1.000		
	displacement distribution	Front %	59.0	
Rear %		41.0		
Disc Brk. Valve	Type (proportion, delay, metering, other)		Metering	
Pedal arc ratio		6.46 (d)		
Line pressure at 100 lb. pedal load		830 psi (b)		
Shoe clearance adjustment		.015		
Brake lining	Drum or Disc		Drum (Power Disc Fronts - Optional)	
	Bonded or riveted		Riveted	
	Front Wheel	Material	Extruded Molded	
			Size (length x width x thickness)	Prim. or out-board
		Second. or in-board	9.83 x 2.50 x .265 (Gross Min.) .165 (Net)	
		Segments per shoe	One	
	Rear Wheel	Material	Extruded Molded	
			Size (length x width x thickness)	Prim. or out-board
Second. or in-board		9.83 x 2.00 x .265 (Gross Min.) .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) Fronts - Finned Aluminum with Cast Iron Liners.
 Rears - Composite Cast Iron.
 (b) 1130 psi with 30# Pedal Load with Optional Power Brakes.
 (c) Based on wheel cylinder size only.
 (d) 3.44 when power brake equipped.

AMA Specifications—Passenger Car

MAKE OF CAR	BUICK	MODEL YEAR	1968	DATE ISSUED	9-9-67	REVISED (•)	
MODEL		"350" 43437		GS		"400" 44637	

STEERING

Manual (std., opt., NA)				Standard		
Power (std., opt., NA)				Optional		
Adjustable steering wheel (tilt, swing, other)	Type and description (std., opt., NA)		Tilt (a)			
			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			
Outside whl. angle with inside whl. at 20°				18.8°		
Manual	Gear	Type		Recirculating Ball Nut		
		Make		Saginaw		
	Ratios	Gear	24.0			
		Overall	28.6			
No. wheel turns				5.56		
Power	Type (coaxial, linkage, etc.)				In-Line Rotary Valve	
	Make				Saginaw	
	Gear	Type		Recirculating Ball-Nut (Integral with Power Piston)		
		Ratios	Gear	17.5		
	Overall		20.9 (b)			
	Pump driven by				Belt	
Number wheel turns				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 1968 DATE ISSUED 9-9-67 REVISED (*)

	GS	
MODEL	"350" 43437	"400" 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.)	11.30 Des. Ht. - 3.60 I.D. 122.44 x .643 11.40 Des. Ht. - 3.60 I.D. 135.05 x .654
	Spring rate (lb. per in.)	410 390
	Rate at wheel (lb. per in.)	142 136
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	.969

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 Height - 5.50 I.D. 144 x .570 115 x .530
	Spring rate (lb. per in.)	144 115
	Rate at wheel (lb. per in.)	144 116
Mounting insulation type		Rubber
If leaf	No. of leaves	Not Used
	Shackle (comp. or tens.)	Not Used
Stabilizer	Type (link, linkless, frameless)	Not Used
	Material	Not Used
Track bar type	Not Used	

AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1968 DATE ISSUED 9-9-67 REVISED (•) 11-15-67

WEIGHTS

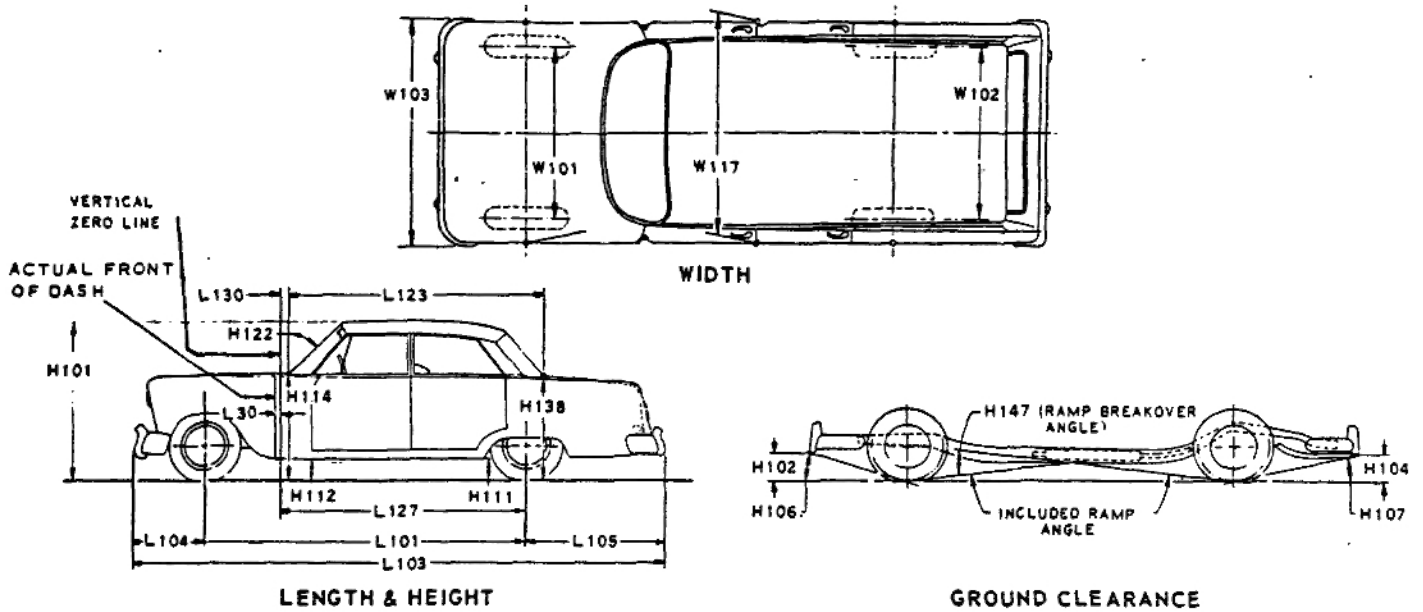
Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
GS "350"								
43437	1875	1622	3497	52.32	47.68	19.14	80.86	3375
GS "400"								
44637	1977	1659	3636	53.03	46.97	18.86	81.14	3514
44667	1998	1671	3669	53.12	46.88	18.83	81.17	3547

Accessories & Equipment Differential Weights			Remarks	
Super Turbine Trans	4.9	1.8	6.7	2 Speed For G.S. 350
Super Turbine Trans	14.2	5.3	19.5	3 Speed For G.S. 400
Man Trans (4 Speed)	-1.9	-.7	-2.6	4 Speed Man for G.S. 350
Man Trans (4 Speed)	-20.4	-7.9	-28.3	4 Speed Man for G.S. 400
Power Steering	29.4	---	29.4	
Power Brakes	9.4	---	9.4	
Disc Brakes	19.3	3.5	22.8	Disc Brake for G.S. 350
Disc Brakes	29.4	3.5	32.9	Disc Brake for G.S. 400
Console - Full	8.2	5.5	13.7	
Consolette	6.9	6.9	13.8	
Sonomatic Radio	5.9	2.3	8.2	
AM/FM Radio	6.5	2.5	9.0	
Whitewall Tires	2.4	3.5	5.9	G.S. 350 (Standard - G.S. 400)
O/S Whitewalls	4.6	6.9	11.5	G.S. 350
O/S Whitewalls	9.0	13.5	22.5	G.S. 400 (F70-14 Wide Oval)
Radial Ply Tires	3.0	4.6	7.6	
Rallye Control Pkg	.6	12.8	13.4	
Air Conditioner	113.2	---	113.2	G.S. 350
Air Conditioner	115.6	---	115.6	G.S. 400
Power Seat - 4 Way	10.0	9.5	19.5	
Power Windows	10.5	11.0	21.5	
Tilt Strg Wheel	1.7	1.0	2.7	
Rallye Wheels	2.7	4.0	6.7	
Chrome Plated Wheels	.5	.8	1.3	

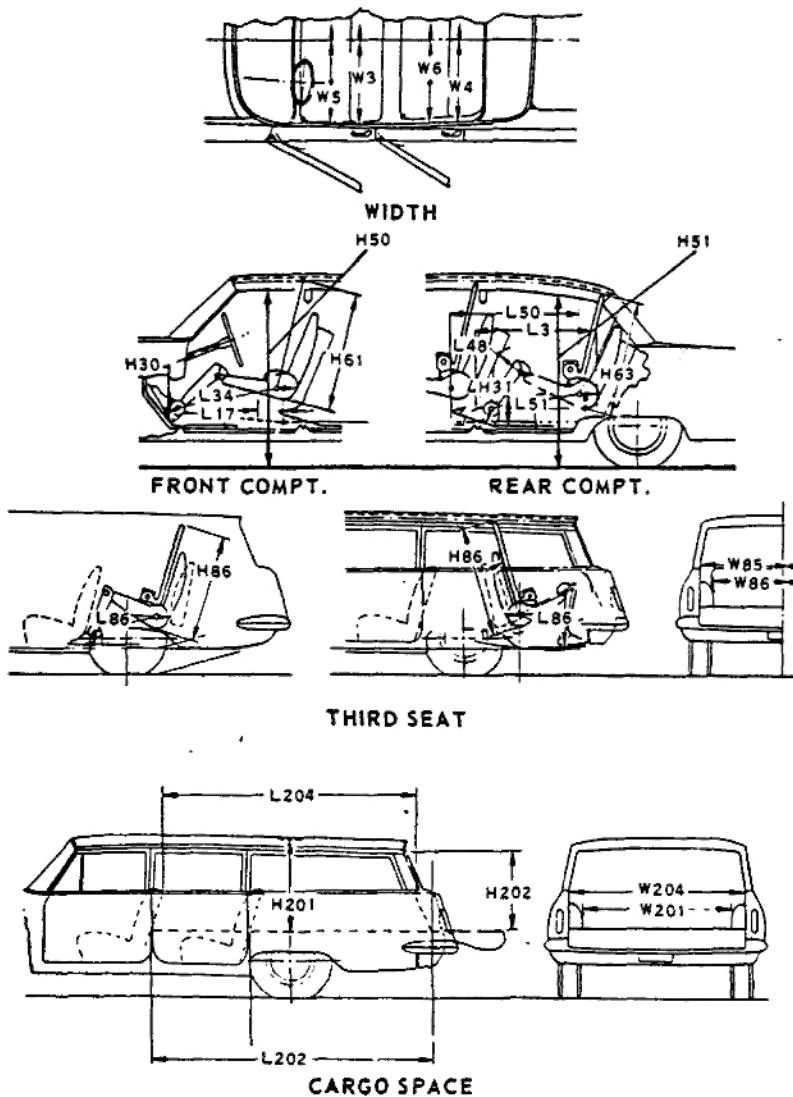
CAR AND BODY DIMENSIONS

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 at 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 radii and intersecting at point on underside of car which defines the smallest angle. This dimension may be determined by calculation (see Design Standard DD 0.00 - 108) or graphically for reporting purposes.
 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 toe, 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 tire and tools in place, determined in accordance with the Passenger Car Luggage Space Standard, DD 0.00 - 105.
 H195 LIFTOVER 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 in 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 wheelhousings at floor level.
 W204 OPENING WIDTH AT BELT. The minimum 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 liftgates 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

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