AMA–40A

AMA Specifications—Passenger Car

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MANUFACTURER	BUICK MOTOR DIVISION GENERAL MOTORS CORPORATION	CAR NAME	BUICK SPECIAL DELUXE - SKYLARK (6 CYL.)
MAILING ADDRESS	1051 E. HAMILTON AVENUE FLINT, MICHIGAN 48550	MODEL YEAR	1969
		ISSUED:	
		REVISED (•)	

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

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BODY – TYPES AND STYLE NAMES –

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

SERIES	BODY STYLE	MODEL DESIGNATION
Special Deluxe	2 Door Thin Pillar Coupe	43327
	4 Door Thin Pillar Sedan	43369
Skylark	2 Door Hardtop Coupe	43537
	4 Door Thin Pillar Sedan	43569

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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. 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.	SPECIAL DELUXE		SKYLARK	
		43327	43369	43537	43569
WIDTH					
Track – Front	W101	59.0			
Track – Rear	W102	59.0			
Maximum overall car width	W103	75.6			
Body width at No. 2 pillar	W117	74.6			74.6
LENGTH					
Body "O" to front of dash	L 30	0"			
Wheelbase	L101	112.0	116.0	112.0	116.0
Overall car length	L103	200.7	204.7	200.7	204.7
Overhang – front	L104	37.5			
Overhang – rear	L105	51.2			
Body upper structure length	L123				
Body "O" line to ℄ of rear wheel	L127		99.5		99.5
Body "O" line to w/s cowl point	L130				
HEIGHT					
Passenger Distribution (front & rear)					
Trunk/Cargo load (lbs.)					
Overall height	H101		54.2		54.2
Cowl height	H114	38.5			
Deck height	H138				
Rocker panel – front — To ground	H112		8.7		8.7
Rocker panel – front — From front wheel ℄	H112		27.2		27.2
Rocker panel – rear — To ground	H111		8.5		8.5
Rocker panel – rear — From rear wheel ℄	H111		25.8		25.8
Windshield slope angle	H122		48.8		48.8
GROUND CLEARANCE					
Bumper to ground – front	H102		12.08		12.08
Bumper to ground – rear	H104		12.04		12.04
Angle of approach	H106		24°30'		24°30'
Angle of departure	H107		17°30'		17°30'
Ramp breakover angle	H147		12°20'		12°20'
Min. running clearance (Specify)	H156	5.46 (Exh. Pipe)			

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	SPECIAL DELUXE 43327	SPECIAL DELUXE 43369	SKYLARK 43537	SKYLARK 43569
FRONT COMPARTMENT					
Effective head room	H61		38.7		38.7
Max. eff. leg room – accelerator	L34		41.3		41.5
H Point to Heel point	H30		8.1		7.7
H Point travel	L17		4.7		4.7
Shoulder room	W 3		58.3		58.3
Hip room	W 5		59.6		59.6
Upper body opening to ground	H50		48.8		48.8
REAR COMPARTMENT					
H Point couple distance	L50		32.8		32.8
Effective head room	H63		37.3		37.3
Min. effective leg room	L51		34.8		34.8
H Point to Heel point	H31		10.5		10.6
Min. knee room	L48		2.3		2.3
Rear Compartment room	L 3		25.9		25.9
Shoulder room	W 4		57.0		57.0
Hip room	W 6		59.4		59.4
Upper body opening to ground	H51		48.5		48.5
LUGGAGE COMPARTMENT					
Usable luggage capacity	V 1		13.5		13.5
Liftover height	H195		28.7		28.7
Position of spare tire storage		Horizontal			
Method of holding lid open		Torsion Rods			
STATION WAGON – THIRD SEAT					
Shoulder Room	W85	No Wagons - This Series			
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 Wagons - This Series			
Cargo length at belt – front seat	L204				
Cargo width – Wheelhouse	W201				
Opening width at belt	W204				
Maximum cargo height	H201				
Rear opening height	H202				
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	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		
SPECIAL DELUXE & SKYLARK	250	1-Bbl.	8.5	155 @ 4200	235 @ 1600	Manual (3)	3.23 (b)-(Std) N.A.-(Economy) N.A.-(Perf) 3.42 or 3.91 (S.C.O.)
	250	1-Bbl.	8.5	155 @ 4200	235 @ 1600	Automatic	2.93 (b)-(Std) 3.23(a)-(Perf) 3.91 or 3.42-(S.C.O.) 3.23 (a) - Std. with A/C No A/C (Economy) 3.42-Perf. with A/C

(a) Canadian built car axle ratios.

Manual	Automatic	
3.31 (Std)	3.07 (Std) No Perf.	3.31 (Std. w/A.C.)

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

ENGINE – GENERAL

Type, no. cyls., valve arr.		"In - Line" 6 Valve-In-Head
Bore and stroke (nominal)		3.875 x 3.530
Piston displacement, cu. in.		250
Bore spacing (℄ to ℄)		4.4
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In-Line)
	R. Bank	- - - - - -
Firing order		1-5-3-6-2-4
Compres. ratio (nominal)		8.5
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 $\frac{Dia^2 \times No.\ Cyl.}{2.5}$		36.0
Publishing max. bhp* @ eng. RPM		155 @ 4200
Publishing max. torque * (lb. ft. @ RPM)		235 @ 1600
Recommended fuel regular – premium		Regular

ENGINE – PISTONS

Material			Cast Aluminum Alloy
Description and finish			Flat-Notched Head - Slipper Skirt
Weight (piston only) oz.			24.16
Clearance (limits)	Top land		.0345 - .0435
	Skirt	Top	.0005 - .0011 (a)
		Bottom	- - - - - -
Ring groove depth	No. 1 ring		.2153 - .2218
	No. 2 ring		.2153 - .2218
	No. 3 ring		.2093 - .2158
	No. 4 ring		- - - - - -

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

(a) Measured 2.44" from top of piston.

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

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 Alloy Iron - Chrome Plated #2 - Cast Alloy Iron - Wear Resistant Coating
	Width	#1 - .0628 - .0633 -- #2 - .0623 - .0625
	Gap	.010 - .020
Oil	Description - material, coating, etc.	#3 - Multi-Piece (Two Rails & One Spacer Expander) Rails (Chrome Plated Steel) - Expander (Stainless Steel)
	Width	.1870 - .1890 (Assembled)
	Gap	.015 - .025
Expanders		In Oil Ring

ENGINE – PISTON PINS

Material			Chromium Steel
Length			2.990 - 3.010
Diameter			.9270 - .9273
Type	Locked in rod, in piston, floating, etc.		Locked in Rod
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston		.00015 - .00025
	In rod		None
Direction & amount offset in piston			Major Thrust Side (.060)

ENGINE – CONNECTING RODS

Material		Drop Forged Steel
Weight (oz.)		12.5
Length (center to center)		5.699 - 5.701
Bearing	Material & Type	Copper Lead Alloy or Sintered Copper Nickel Backed Babbitt on Steel
	Overall length	.807
	Clearance (limits)	.0007 - .0027
	End play	.009 - .013

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MODEL	SPECIAL DELUXE	SKYLARK
	43369	43569

ENGINE – CRANKSHAFT

Material			Nodular Iron
Vibration damper type			Inertia (Rubber Mounted)
End thrust taken by bearing (No.)			7
Crankshaft end play			.002 - .006
Main bearing	Material & type		Steel with Backed Insert (Copper Lead Alloy or Premium Aluminum)
	Clearance		.0003 - .0029
	Journal dia. and bearing overall length	No. 1	2.3004 - .752
		No. 2	2.3004 - .752
		No. 3	2.3004 - .752
		No. 4	2.3004 - .752
		No. 5	2.3004 - .752
		No. 6	2.3004 - .752
		No. 7	2.3004 - .760
	Dir. & amt. cyl. offset		None
Crankpin journal diameter			1.999 - 2.000

ENGINE – CAMSHAFT

Location			Above and to Right of Crankshaft
Material			Cast Alloy Iron
Bearings	Material		Steel Backed Babbitt
	Number		Four
Type of Drive	Gear or chain		Gear
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Bakelight & Fabric with Steel Hub
	Timing chain	No. of links	None
		Width	None
		Pitch	None

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1.75
Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	Zero

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MODEL			SPECIAL DELUXE 43369	SKYLARK 43569
ENGINE – VALVE SYSTEM (cont.)				
Timing (based on top of ramp points)	Intake	Opens (°BTC)	62	
		Closes (°ABC)	94	
		Duration - deg.	336	
	Exhaust	Opens (°BBC)	92° 30'	
		Closes (°ATC)	63° 30'	
		Duration - deg.	330	
	Valve opening overlap		125° 30'	
Intake	Material		Alloy Steel	
	Overall length		4.902 - 4.922	
	Actual overall head dia.		1.715 - 1.725	
	Angle of seat & face		46° Seat - 45° Face	
	Seat insert material		None	
	Stem diameter		.3410 - .3417	
	Stem to guide clearance		.0010 - .0027	
	Lift (@ zero lash)		.3880	
	Outer spring press. & length	Valve closed (lb.@in.)	56-64 @ 1.66	
		Valve open (lb.@in.)	180-192 @ 1.27	
	Inner spring press. & length	Valve closed (lb.@in.)	None	
		Valve open (lb.@in.)	None	
Exhaust	Material		High Alloy Steel	
	Overall length		4.913 - 4.933	
	Actual overall head dia.		1.495 - 1.505	
	Angle of seat & face		46° Seat - 45° Face	
	Seat insert material		None	
	Stem diameter		.3410 - .3417	
	Stem to guide clearance		.0010 - .0027	
	Lift (@ zero lash)		.3880	
	Outer spring press. & length	Valve closed (lb.@in.)	56-64 @ 1.66	
		Valve open (lb.@in.)	180-192 @ 1.27	
	Inner spring press. & length	Valve closed (lb.@in.)	None	
		Valve open (lb.@in.)	None	
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		Nozzle	
	Cylinder walls		Connecting Rod Bearing Throw - Off	

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. engine rpm)	30 - 45 @ 1500	
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 c/case, less filter-refill (qt.)	4.0	
Oil grade recommended (SAE viscosity and temperature range)	Anticipated Lowest Temp.	Use SAE Viscosity
	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 GM 6041M	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single
Muffler No. & type (reverse flow, straight thru, separate resonator)		Reverse Flow
Exhaust pipe dia. (O.D., wall thick.)	Branch	- - - - -
	Main	2.00 - .060
Tail pipe dia. (O.D. & wall thickness)		1.75 - .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		Top Rear of Rocker Cover
	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 Conditions
	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	SPECIAL DELUXE 43369	SKYLARK 43569

ENGINE – EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)			Combustion Control
Air Injection Pump	Type		Not Used
	Displacement		
	Drive ratio		
	Drive type		
	Relief valve (type)		
	Filter (describe)		
Air Injection System	Air distribution (head, manifold, etc.)		
	Point of entry		
	Injection tube I.D.		
	Check valve type		
	Backfire protection (type)		
Carburetor	Make		Rochester
	Model		MV
	Barrel size		1.560
	Idle speed	Drive	500
		Neutral	700
	Idle A/F mixture		
Distributor	Aux. Adv. Systems (type)		None
	Make		Delco - Remy
	Model		1110439
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	900
		Intermed. points deg. @ rpm	21 @ 1950
		Max. deg. @ rpm	32 @ 4100
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	 7
		Intermed. points deg. @ in. Hg	..... 23 @ 16
		Max. deg. @ in.	..... 25.5 @ 25
	Vacuum Source		Carburetor
Timing - Crank degrees @ rpm			0° BTC (Idle)
Cooling System			Same As Standard
Exhaust System			None

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

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		Lower Right Front of Engine
	Pressure range		4.0 - 5.0 psi @ Pump Outlet
Vacuum booster (std., optional, none)			None
Fuel Filter	Type		Fine Mesh Plastic / 1" Long Paper
	Locations		Fuel Tank / Carb. Inlet
Carburetor	Choke type		Automatic (Remote)
	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 in Neutral (A/C Same with A/C off)
		Automatic	500 in Drive (A/C Same with A/C on)
		Idle A/F mix.	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors Make	Carburetors Model	No. Used and Type	Barrel Size
Special Deluxe and Skylark	250	Manual (3)	Rochester	MV	1-1 Bbl	1.560
	250	Automatic	Rochester	MV	1-1 Bbl	1.560

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

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.)			Internal	
Radiator core type (cellular, tube and fin, other)			Cross Flow	
Cooling system capacity	With heater (qt.)		11.3 (Std.)	
	Without heater (qt.)		10.0	
	Opt. equipment-specify (qt.)		13.04 (A/C)	
Water jackets full length of cyl. (yes, no)			Yes	
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)	None	
		Inside diameter	None	
Fan	Number of blades & spacing		4 (76° - 104°) Std.	(a)
	Diameter		20.6 (Std.)	18" (A/C)
	Ratio-fan to crankshaft rev.		.95 (Std.)	1.16 (A/C)
	Fan cutout type		None	
	Bearing type		Double Row	
*Drive belts (indicate belt used by letter)	Fan		"A" - ("D" With A/C)	
	Generator or alternator		"A"	
	Water Pump		"A"	
	Power Steering		"B"	
	Air Conditioning		"C"	

* Drive Belt Dimensions	A	B	C	D			G	H	I	J	K
Angle of V	38°	38°	38°	38°							
Nominal length (SAE)	39.0	49.5	54.75	31.50							
Width	.38	.38	.47	.38							

(a) A/C-7 Blades (45°-50°-54°-47°-59°-45°-60°)

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco #Y54
	Voltage Rtg. & Total Plates		12 - 54
	SAE Designation & Amp. Hr. Rtg.		17MJ1B-45
	Location		Right Front Engine Compartment
	Terminal grounded		Negative
Generator or Alternator	Make		Delco - Remy
	Model		1100761 (a)
	Type and rating		Diode Rectified Alternator (37 amp) (b)
	Output at engine idle (neutral)		15 amp Min. (c)
	Ratio-Gen. to Cr/s rev.		2.67 (d)
Regulator	Make		Delco - Remy
	Model		1119515
	Type		Voltage Control
	Cutout relay	Closing voltage : generator rpm	None
		Reverse current to open	None
	Regulated	Voltage	13.6 to 14.4 @ 125°
		Current	None
	Voltage test conditions	Temperature	Operating
		Load	Run 15 Minutes @ 10 amp Max.
		Other	Battery Must Be In Circuit

ELECTRICAL – STARTING SYSTEM

Starting Motor	Make			Delco - Remy
	Model			1107399
	Rotation (drive end view)			Clockwise (rear)
Motor control	Switch (solenoid, manual)			Solenoid
	Starting procedure			(e)
Motor Drive	Engagement type			Solenoid
	Pinion meshes (front, rear)			Rear
	Number of teeth	Pinion		9
		Flywheel	Manual	153
			Auto.	153
	Flywheel tooth face width		Manual	.4010 - .4130
			Auto.	.4010 - .4130

(a) 1100802 with A/C
(b) 55 amps with A/C
(c) 20 amps with A/C
(d) 2.89 with A/C
(e) Manual (3) - Place shft. lvr. in neutral & depress clutch pedal
Auto. - Place sel. lvr, in neutral or park.
Note: Turn ignition key clockwise - release when engine starts.

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			SPECIAL DELUXE	SKYLARK
MODEL			43369	43569
ELECTRICAL – IGNITION SYSTEM				
Type	Conventional – Std., Opt., N.A.		Standard	
	Transistorized – Std., Opt., N.A.		Not Available	
	Other (specify)			
Coil	Make		Delco - Remy	
	Model		1115208	
	Amps	Engine stopped	4.0	
		Engine idling	1.8	
Distributor	Make		Delco - Remy	
	Model		1110439	
	Cent'fgal adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm)	900	
		Intermediate points deg.@rpm	21 @ 1950	
		Max. deg.@rpm	32 @ 4200	
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)	7.00	
		Intermediate points, deg.@in. Hg.	23 @ 16.0	
		Max. deg. in. Hg.	25.5 @ 25	
	Breaker gap (in.)		.019	
	Cam angle (deg.)		31° - 34°	
	Breaker arm tension (oz.)		19 - 23	
Timing	Crankshaft deg.@rpm		0° BTC @ 500	
	Mark location		Torsional Damper	
Spark Plug	Make		A.C.	
	Model		46N	
	Thread (mm)		14	
	Tightening torque (lb. ft.)		25	
	Gap		.033 - .038	
Cable	Conductor type		(a)	
	Insulation type		Rubber with Neoprene Jacket	
	Spark plug protector		Neoprene	
ELECTRICAL – SUPPRESSION				
Locations & type			Non-Metallic Ignition Cables	

(a) Linen core impregnated with electrical conducting material.

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MODEL	SPECIAL DELUXE	SKYLARK
	43369	43569

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Mechanical - (Eddy Current)	
	Trip odometer (yes,no)	No	
Charge indicator – type		Indicator Light	
Temperature indicator – type		"Hot" Only	
Oil pressure indicator – type		Pressure Switch - Indicator Type	
Fuel indicator – type		Electrical	
Other			
Windshield wiper	Type – Standard	Electrical - Two Speed	
	Type – Optional	None	
Windshield 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	

DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		Dry
Type pressure plate springs		Belleville
Total spring load (lb.)		1650 - 1850
No. of clutch driven discs		One
Clutch facing	Material	Woven
	Outside & inside dia.	9.12 - 6.12
	Total eff. area (sq.in.)	71.88
	Thickness	.135
	Engagement cushioning method	Spring
Release bearing	Type & method of lubrication	Single Row Ball - (Packed & Sealed)
Torsional damping	Methods: springs, friction material	Springs

AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED _____ REVISED (•) _____

MODEL	SPECIAL DELUXE 43369	SKYLARK 43569
DRIVE UNITS – TRANSMISSIONS		
Manual 3-speed (std. or opt.)	Standard	
Manual 4-speed (std. or opt.)	Not Available	
Manual with overdrive (std. or opt.)	Not Available	
Automatic (std. or opt.)	Optional	
DRIVE UNITS – MANUAL TRANS.		
Number of forward speeds	Three	
Transmission ratios – In first	2.84	
Transmission ratios – In second	1.68	
Transmission ratios – In third	1.00	
Transmission ratios – In fourth	- - -	
Transmission ratios – In reverse	2.94	
Synchronous meshing, specify gears	All Forward Speeds	
Shift lever location	Steering Column	
Lubricant – Capacity (pt.)	3.375	
Lubricant – Type recommended	Multi-Purpose Gear Lubricant (MIL-L-2105B)	
Lubricant – SAE viscosity number – Summer	SAE 80	
Lubricant – SAE viscosity number – Winter	SAE 80	
Lubricant – SAE viscosity number – Extreme cold	SAE 80	
DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE (For transmission data see manual transmission section)		
Type (planetary or other)	Not Available	
Manual lockout (yes, no)		
Downshift accelerator control (yes, no)		
Minimum cut-in speed		
Gear ratio		
Lubricant – Capacity (pt.) (Overdrive only)		
Lubricant – Separate filler (yes, no)		
Lubricant – Type recommended		
Lubricant – SAE viscosity number – Summer		
Lubricant – SAE viscosity number – Winter		
Lubricant – SAE viscosity number – Extreme cold		

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		Super Turbine (Optional)		
Type describe		Two-Speed with Torque Converter		
Selector location		Steering Column		
List gear ratios Selector Pattern and indicate which are used in each selector position		Drive	Low	Reverse
	1 st Gear	1.765	1.765	1.765
	2 nd Gear	1.000	- - -	- - -
Max. upshift speed–drive range		61		
Max. kickdown speed–drive range		57		
Torque convertor	Number of elements	Three		
	Max. ratio at stall	2.55		
	Type of cooling (air, liquid)	Water		
	Nominal diameter			
Lubricant	Capacity–refill (pt.)	19.0 Total - 5.0 Drain		
	Type recommended	"DEXRON" R Automatic Transmission Fluid		
Special transmission features				

DRIVE UNITS – PROPELLER SHAFT

Number used		One
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Exposed
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.	
	Manual 4-speed trans.	Not Available
	Overdrive transmission	Not Available
	Automatic transmission	

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

(Continued)

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		None
Slip Yoke	Type		Male Slip Yoke At Transmission Where Primary Slip is Taken
	Number of teeth		27 - O.D. Fit - 27 P.D. Fit
	Spline O.D.		1.750 - 1.745 - Manual Trans. 1.166 - 1.150 - Automatic Trans.
Universal joints	Make and Mfg. No.		Saginaw
	Number used		2
	Type (ball and trunnion, cross)		Cross
	Rear attach. (u-bolt, clamp, etc.)		U - Bolt
	Bearing	Type (plain, anti-friction)	Nylon Injected Composite
		Lubric. (fitting, 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
Limited Slip differential, type			Optional
Drive Pinion Offset			1.750
No. of differential pinions			2
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible Spacer
Wheel bearing type			Tapered Roller
Lubricant	Capacity (pt.)		2.90
	Type recommended		MIL-L-2105B
	SAE viscosity number	Summer	80
		Winter	80
		Extreme cold	80

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		Manual		Automatic				Canadian Man.	Canadian Auto.	
		3.23	2.91	2.93	3.42	3.23	3.91	3.31	3.07	3.31
No. of teeth	Pinion	13	11	14	12	13	11	13	14	13
	Ring gear	42	43	41	41	42	43	43	43	43
Ring Gear O.D.										
Usage		Std.	SCO	Std.	SCO (Perf with A/C)	Perf	SCO	Std.	Std.	Perf.

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

DRIVE UNITS – WHEELS

Type & material			Disc - Steel
Rim (size & flange type)		Std.	14 x 5.00 "K"
		Opt.	14 x 6.00 JK (a)
Attachment	Type (bolt or stud)		Stud
	Circle diameter		4.75
	Number and size		Five - .4375-20

MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply		7.75 - 14 (2-Ply with 4-Ply Rating)
	Type (bias, radial, etc.)		Bias Angle
	Full rated Inflation Press.	Front	24
		Rear	26
	Rev./Mile at 50 MPH		785
Optional	Size, ply rating, & ply		8.25 - 14 Two-Ply with 4-Ply Rating F70-14 Wide Oval (Fxport) ?05R14 Radial Ply 7.75-14-4 Ply Nylon - (Export)

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

(a) With oversize tire option.

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BRAKES – SERVICE

MODEL	SPECIAL DELUXE 43369	SKYLARK 43569
Type (drum) or (disc & no. of pistons)	Drum (c)	
Self adjusting (std., opt., N.A.)	Standard	
Special Valving — Type (proportion, delay, metering, other)		
Power brake make & type (remote, int., etc.) — Std.	No	
Power brake make & type (remote, int., etc.) — Opt.	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 Front (Based on Wheel Cyl. Size Only)	
Drum — Diameter (nominal) — Front	9.495 - 9.505	
Drum — Diameter (nominal) — Rear	9.495 - 9.505	
Drum — Type and material	Composite Cast Iron	
Rotor — Outer working diameter		
Rotor — Inner working diameter		
Rotor — Working width		
Rotor — Material & type (vented/solid)		
Wheel cylinder bore — Front	1.125	
Wheel cylinder bore — Rear	.875	
Master Cylinder — Bore	1.000	
Master Cylinder — displacement distribution — Front %	59	
Master Cylinder — displacement distribution — Rear %	41	
Pedal arc ratio	6.46 (a)	
Line pressure at 100 lb. pedal load	830 psi (b)	
Shoe Clearance — Front		
Shoe Clearance — Rear		
Brake lining — Bonded or riveted	Riveted	
Brake lining — Front Wheel — Material	Extruded Molded	
Brake lining — Front Wheel — Size (length x width x thickness) — Prim. or outboard	7.57 x 2.50 x .196 (Gross) - .096 (Net)	
Brake lining — Front Wheel — Size (length x width x thickness) — Second. or inboard	9.83 x 2.50 x .265 (Gross) - .165 (Net)	
Brake lining — Front Wheel — Segments per shoe	One	
Brake lining — Rear Wheel — Material	Extruded Molded	
Brake lining — Rear Wheel — Size (length x width x thickness) — Prim. or outboard	7.57 x 2.00 x .196 (Gross) - .096 (Net)	
Brake lining — Rear Wheel — Size (length x width x thickness) — Second. or inboard	9.83 x 2.00 x .265 (Gross) - .165 (Net)	
Brake lining — Rear Wheel — 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) 3.44 with Optional Power Brakes

(b) 1130 psi with 30# Pedal Load with Opt. Power Brakes

(c) Power Disc Fronts - Optional

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MAKE OF CAR BUICK MODEL YEAR 1969 DATE ISSUED _____ REVISED (•) _____

MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

STEERING

Manual (std., opt., NA)					Standard
Power (std., opt., NA)					Optional
Adjustable steering wheel (tilt, swing, other)		Type and description			Tilt (a)
		(std., opt., NA)			Optional
Wheel diameter		Manual			16.0"
		Power			16.0"
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)			43.8 (b)
		Curb to curb (l. & r.)			40.6 (c)
	Inside rear	Wall to wall (l. & r.)			21.44 - 22.48
		Curb to curb (l. & r.)			22.12 - 23.12
Manual	Gear	Type			Recirculating Ball - Nut
		Make			Saginaw
		Ratios	Gear		24.0
			Overall		28.6
	No. wheel turns (stop to stop)				5.56
Power	Type (coaxial, linkage, etc.)				In - Line Rotary Valve
	Make				Saginaw
	Gear	Type			Recirculating Ball-Nut - (Integral with Power Piston)
		Ratios	Gear		17.5
			Overall		20.9
	Pump driven by				Belt
	No. wheel turns (stop to stop)				4.06
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° (Curb Height)
	Camber (deg.)				+ 1/2° ± 1/2° (Curb Height)
	Toe-in (outside track inches)				.12 to .25 (Curb Height)
Steering spindle & joint type					Ball Joint
Wheel Spindle	Diameter	Inner bearing			1.2498/1.2493
		Outer bearing			.7498/ .7493
	Thread size				.75-20 NEF
	Bearing type				Tapered Roller

(a) Not available with manual transmission with column shift.
(b) 43.0 (112.00" W.B.)
(c) 39.9 (112.00" W.B.)

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569
SUSPENSION – GENERAL	(See Supplement page for details on Air Suspension)	
Provision for car leveling	None	
Provision for brake dip control	Yes	
Provision for acc. squat control	Yes	
Special provisions for car jacking	No	
Shock absorber front & rear — Type	Direct	
Shock absorber front & rear — Make	Delco	
Shock absorber front & rear — Piston dia.	1.00	
Other special features	None	
SUSPENSION – FRONT		
Type and description	Coil Spring and Ball Joint	
Spring — Type	Coil	
Spring — Material	SAE 9260 Steel	
Spring — Size (coil design height & I.D. bar length x dia.)	11.31 Design Ht. - 3.60 I.D. 124 x .582	
Spring — Spring rate (lb. per in.)	280	
Spring — Rate at wheel (lb. per in.)		
Stabilizer — Type (link, linkless, frameless)	Link	
Stabilizer — Material & bar diameter	1070 Steel - .812	
SUSPENSION – REAR		
Type and description	Coil Springs	
Drive and torque taken through	Control Arms	
Spring — Type	Coil	
Spring — Material	SAE - 9260	
Spring — Size (length x width, coil design height & I.D.; bar length & dia.)	7.62 Design Ht. - 5.50 I.D. 104 x .530	
Spring — Spring rate (lb. per in.)	106	
Spring — Rate at wheel (lb. per in.)		
Spring — Mounting insulation type	Rubber	
Spring — If leaf — No. of leaves	Not Used	
Spring — If leaf — Shackle (comp. or tens.)	Not Used	
Stabilizer — Type (link, linkless, frameless)	Not Used	
Stabilizer — Material	Not Used	
Track bar type	Not Used	

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MODEL	SPECIAL DELUXE	SKYLARK
	43369	43569

FRAME

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

BODY – MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Acrylic Lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle Indent. No. location		Left Side of Upper Instrument Panel
Engine No. location		Pad on Right Front Cylinder Block
Theft protection - type		Ignition Switch Locks Steering Shaft
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	- - -
Seat cushion type	Front	Zig - Zag
	Rear	Zig - Zag
	3rd seat	None
Seat back type	Front	Zig - Zag
	Rear	Zig - Zag
	3rd seat	None
Windshield glass type (i.e., single curved - laminated plate)		Compound Curved (Laminated Type)
Side glass type (i.e., curved - tempered plate)		Curved (Tempered Plate)
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Single Curved (Tempered Plate)
Windshield glass exposed surface area		1249.6
Side glass exposed surface area		1181.4
Backlight glass exposed surface area		895.1
Total glass exposed surface area		3326.1

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MODEL	SPECIAL DELUXE 43369	SKYLARK 43569

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Not Available	Optional
	Vent windows	Not Available	
	Backlight or tailgate	Not Available	
Power seats (specify type as well as availability)		4-Way (Optional)	
Reclining front seat back (R-L or both)		Not Available	
Front seat head restrainer (R-L or both)		Standard	
Radios (specify type as well as availability)		Sonomatic or AM/FM - (Optional)	
Rear seat speaker		Optional	
Power antenna		Optional (Excl. Convertible)	
Clock		Optional	
Air conditioner (specify type and availability)		Optional	
Speed warning device		Optional	
Speed control device		Optional (With Automatic Transmission Only)	
Ignition lock lamp		Not Available	
Dome lamp		Standard	
Glove compartment lamp		Optional	
Luggage compartment lamp		Optional	
Underhood lamp		Dealer Installed	
Courtesy lamp		Optional	
Map lamp		Not Available	
Auto. trans. quad. lamp		Included-with Optional Transmission	
Cornering light lamp		Not Available	
Emergency Flasher		Standard	
Ash Tray Lamp		Optional	

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	
		Lowest	
	Tail	Highest	
		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.

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ESTIMATED WEIGHTS

Model	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
				Pass. In Front		Pass. In Rear			
	Front	Rear	Total	Front	Rear	Front	Rear	Fuel	Coolant
SPECIAL DELUXE									
43327	1680	1563	3243	50.64	49.36	19.75	80.25	122	24
43369	1728	1597	3325	50.81	49.19	19.68	80.32	122	24
SKYLARK-STD.									
43537	1705	1588	3293	50.63	49.37	19.75	80.25	122	24
43569	1740	1614	3354	50.74	49.26	19.71	80.29	122	24

Accessories & Equipment Differential Weights				Remarks
Engine, V8-(2 BBL)	152.00	----	152.00	
Engine, V8-(4 BBL)	160.00	----	160.00	
Transmission-Auto	8.26	2.91	11.17	
Power Steering	32.79	----	32.79	
Disc Brakes, Front	24.77	11.79	36.56	
Radio, Sonomatic	5.00	2.00	7.00	
Radio, AM/FM	6.00	2.00	8.00	
Tires, Whitewall	2.36	3.54	5.90	
Tires, O.S. Whitewall	4.61	6.91	11.52	
Air Conditioner	125.47	----	125.47	
Power Seat, 4-Way	10.00	9.50	19.50	
Cushions, Custom Padded	- .79	- 2.31	- 3.10	
Tilt Strg. Wheel	1.68	1.03	2.71	
Convenience Group	1.27	.17	1.44	
Rallye Wheels	9.13	13.18	22.31	
Custom Mouldings	3.04	1.70	4.74	Special Deluxe
Appearance Group	- 3.42	- 4.18	- 7.60	Special Deluxe
Deluxe Strg. Wheel	- .09	- .10	- .19	Special Deluxe
Pressure Relief Sys.	NO INCREASE			
Ventilation, Upper Level	NO INCREASE			
~~Door Locks, Vacuum~~	~~5.00~~	~~3.00~~	~~8.00~~	~~2 Doors~~
Door Locks, Vacuum	6.00	7.00	13.00	4 Doors

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

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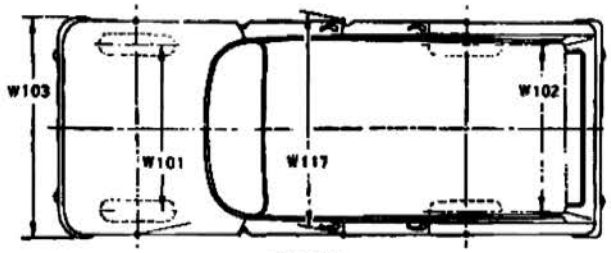
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



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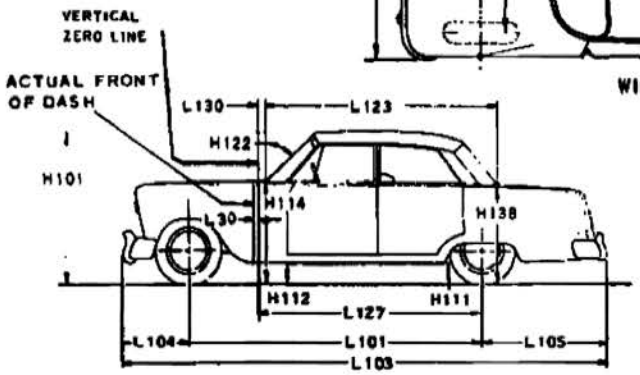

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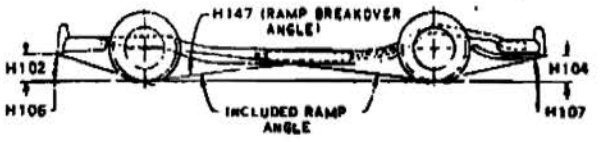
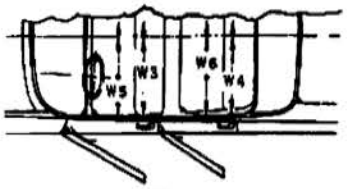


GROUND CLEARANCE

INTERIOR CAR AND BODY DIMENSIONS



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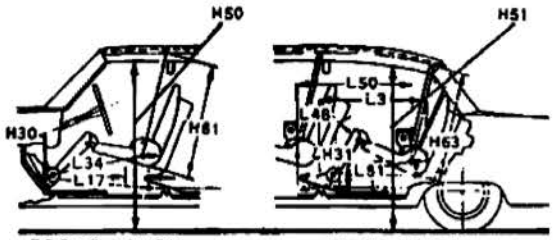
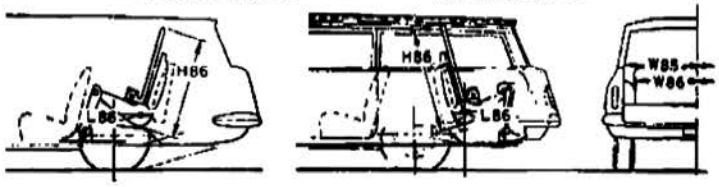
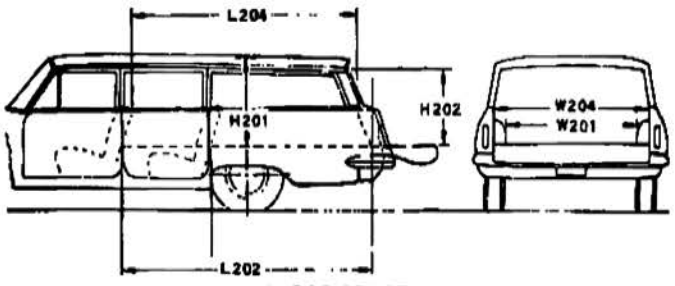


FRONT COMPT. REAR COMPT.



THIRD SEAT



CARGO SPACE

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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.

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 the tire and tools in place.

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.

$$\frac{W4 \times L204 \times H201}{1728}$$

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