

AMA-60A
1970

AMA Specifications--Passenger Car

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MANUFACTURER	BUICK MOTOR DIVISION GENERAL MOTORS CORPORATION	CAR NAME	BUICK GS - GS "455"
MAILING ADDRESS	902 E. HAMILTON AVENUE FLINT, MICHIGAN 48550	MODEL YEAR	1970
		ISSUED:	9-18-69
		REVISED (to)	3-13-70

NOTES:

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

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BODY - TYPES AND STYLE NAMES -

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

<u>SERIES</u>	<u>BODY STYLE</u>	<u>MODEL DESIGNATION</u>
GS	2 Door Hardtop Coupe	43437
GS "455"	2 Door Hardtop Coupe	44637
	2 Door 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. 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.	GS	GS "455"
		43437	44637 44667
WIDTH			
Track - Front	W101	59.0	59.4
Track - Rear	W102		59.0
Maximum overall car width	W103		77.3
Body width at No. 2 pillar	W117		----
LENGTH			
Body "O" to front of dash	L 30		
Wheelbase	L101		112.0
Overall car length	L103	202.2	202.0
Overhang - front	L104	41.2	41.0
Overhang - rear	L105		49.0
Body upper structure length	L123		93.3 94.7
Body "O" line to ϵ of rear wheel	L127		95.5
Body "O" line to w/s cowl point	L130		10.4
HEIGHT			
Passenger Distribution (front & rear)			2 - 2
Trunk/Cargo load (lbs.)			200
Overall height	H101	53.1	53.0 53.3
Cowl height	H114		38.3
Deck height	H138		
Rocker panel - front	To ground	8.67	8.61
	From front wheel ϵ		
Rocker panel - rear	To ground	7.94	7.74
	From rear wheel ϵ		
Windshield slope angle	H122		53.0
GROUND CLEARANCE			
Bumper to ground - front	H102	12.8	12.9
Bumper to ground - rear	H104	11.2	10.9
Angle of approach	H106		23° 13'
Angle of departure	H107		19° 57'
Ramp breakover angle	H147		20° 24'
Min. running clearance (Specify)	H156	5.39 (a)	5.16 (a)

(a) Exhaust System

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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.	GS "455"	
		GS 43437	44637 44667
FRONT COMPARTMENT			
Effective head room	H61	37.9	37.5 38.3
Max. eff. leg room – accelerator	L34	41.6	41.7
H Point to Heel point	H30	7.7	8.1
H Point travel	L17	4.7	4.8
Shoulder room	W 3	58.3	
Hip room	W 5	59.7	59.4
Upper body opening to ground	H50	48.9 48.4	
REAR COMPARTMENT			
H Point couple distance	L50	30.6	
Effective head room	H63	36.3	37.0
Min. effective leg room	L51	32.3	32.2
H Point to Heel point	H31	10.1	10.0
Min. knee room	L48	0.7	
Rear Compartment room	L 3	23.7	
Shoulder room	W 4	57.1 47.9	
Hip room	W 6	58.3	58.0 50.7
Upper body opening to ground	H51	- - - - -	
LUGGAGE COMPARTMENT			
Usable luggage capacity	V 1	12.6	11.2
Liftover height	H195	27.2	
Position of spare tire storage		Horizontal	
Method of holding lid open		Torsion Bar	
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.) 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	1-4bb1	10.25	315 @ 4800	410 @ 3200	Manual (3&4)	3.23 (Std) - Also Used for Class I and Class II Towing - No Econ. 3.42 Perf. Same as Manual Trans.
	350	1-4bb1	10.25	315 @ 4800	410 @ 3200	Automatic	
GS "455"	455	1-4bb1	10.00	350 @ 4600	510 @ 2800	Manual (3&4)	3.42 (Std) Also Class I and Class II Towing No Econ. - 3.64 Perf. 2.93 (Std) Also Class I and Class II Towing No Econ. - 3.42 Perf. 3.64 P.T. (Std) - and Class I and II towing. No Econ. or Perf. 3.64 P.T. (Std) - and Class I and II towing. No Econ. or Perf.
	455	1-4bb1	10.00	350 @ 4600	510 @ 2800	Automatic	
	455 Stage I	1-4bb1	10.5	360 @ 4600	510 @ 2800	Manual (3&4)	
	455 Stage I	1-4bb1	10.5	360 @ 4600	510 @ 2800	Automatic	

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ENGINE—GENERAL

Type, no. cyls., valve arr.	V8 - Valve-in-Head	
Bore and stroke (nominal)	3.800 x 3.850	4.3125 x 3.900
Piston displacement, cu. in.	350	455
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	10.0
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'	6° 15'
Taxable $\frac{Dio^2 \times No. Cyl.}{horsepower \quad 2.5}$	46.2	59.5
Publishing max. bhp* @ eng. RPM	315 @ 4800	350 @ 4600
Publishing max. torque* (lb. ft. @ RPM)	410 @ 3200	510 @ 2800
Recommended fuel regular - premium	Premium	

ENGINE—PISTONS

Material	Cast Aluminum Alloy		
Description and finish	Cam Ground - Transverse Slot - Divorced Skirt		
Weight (piston only) oz.	18.192	25.568	
Clearance (limits)	Top land	.013 - .018	
	Skirt	Top	.0008 - .0014
		Bottom	.0013 - .0029
Ring groove depth	No. 1 ring	.1930 - .1855	
	No. 2 ring	.1955 - .1880	
	No. 3 ring	.1955 - .1880	
	No. 4 ring	Not Used	

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

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MODEL	GS 43437	GS "455" 44637
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ENGINE - RINGS

Function (top to bottom)	No. 1, oil or comp.		Compression
	No. 2, oil or comp.		Compression
	No. 3, oil or comp.		Oil
	No. 4, oil or comp.		None
Compression	Description - material, coating, etc.	#1 - Cast Iron - Molybdenum Coated #2 - Cast Iron - Lubrited	
	Width	.077 - .078	
	Gap	.013 - .023	
Oil	Description - material, coating, etc.	No Chrome	SAE - 1070 Steel Chrome
	Width	.0235 - .0245	.023 - .025
	Gap	.015 - .035	
Expanders		Hump Type	Abuttment Type

ENGINE - PISTON PINS

Material	Extruded SAE - 1018		
Length	3.060	3.520	
Diameter	.9391 - .9394		.9991 - .9994
Type	Locked in rod, in piston, floating, etc.		
	Pressed-In Rod		
	Bush. in rod or piston	None	
	Material	None	
Clearance	In piston	.0004 - .0007 (Selected)	
	In rod	.00075 - .00125 (Select Press)	
Direction & amount of offset in piston	.040 (a)		.060 (a)

ENGINE - CONNECTING RODS

Material	Pearlitic Malleable Iron	Forged SAE - 1141 Steel	
Weight (oz.)	22.80G	26.6	
Length (center to center)	6.385		
Bearing	Material & Type		
	Steel Backed - M/400 Aluminum - Removable		
	Overall length	.737	.820
	Clearance (limits)	.0002 - .0023	
End play	.006 - .014		
	.005 - .012		

(a) Major Thrust Side

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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	3.250 x .865
		No. 2	2.9995 x .864	3.250 x .865
		No. 3	2.9995 x 1.057	3.250 x 1.057
		No. 4	2.9995 x .864	3.250 x .865
		No. 5	2.9995 x .864	3.250 x 1.143
		No. 6		None
No. 7			None	
Dir. & omt. cyl. offset		None		
Crankpin journal diameter		2.000	2.249 - 2.250	

ENGINE - CAMSHAFT

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

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard	
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.55	1.60
Operating tappet clearance (indicate hot or cold)	Intake	None	
	Exhaust	None	

(Continued)

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

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ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	24	18
		Closes (°ABC)	78	95
		Duration - deg.	282	293
	Exhaust	Opens (°BBC)	84	93
		Closes (°ATC)	40	49
		Duration - deg.	304	322
	Valve opening overlap		64	67
Intake	Material		SAE - 1041 (b)	
	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 - .0025 (.0003 Max. Taper)	
	Lift (@ zero lash)		.3818	.3873
	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 ± 5 @ 1.450
	Inner spring press. & length	Valve closed (lb. @ in.)	Not Used	
		Valve open (lb. @ in.)	Not Used	
Exhaust	Material		21 - 2 (b)	N82152 - (21-4N) (b)
	Overall length		5.014 - 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		.3730 - .3723 (.0002 Max. Taper)	
	Stem to guide clearance		.0015 - .0032	
	Lift (@ zero lash)		.3984	.4584
	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 ± 5 @ 1.450
	Inner spring press. & length	Valve closed (lb. @ in.)	Not Used	
		Valve open (lb. @ in.)	Not Used	

ENGINE - LUBRICATION SYSTEM

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

- (a) .3725 ± .0005 Max. Allowable Taper to be (Continued)
 (b) Aluminized Face and Chrome Flashed Stem

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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 oil case, less filter, refill (qt.)	Four
Oil grade recommended (SAE viscosity and temperature range)	<u>Anticipated Lowest Temp.</u>
	<u>Use SAE Viscosity</u>
	Above 32° F 10W-30, 20W or 20 Below 32° F to Zero F 10W-30, 10W-40, 10W Below Zero F 5W-20, 5W-30, 5W
Engine Service 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.)	2.25 - .084 (Laminated Tubing)
Branch	-
Main	-
Tail pipe dia. (O.D. & wall thickness)	2.00 - .060

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Closed Induction System	
Standard	None	
Optional	A.C.	
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 arrester (screen, check valve, other)	Check Valve and Screen

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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.)	None		
	Point of entry			
	Injection tube I.D.			
	Check valve type			
	Backfire protection (type)			
Carburetor	Make	Rochester		
	Model	4MV		
	Barrel size	(p) 1.3750	(s) 2.250	
	Idle speed	Drive		
		Neutral		
	Idle A/F mixture			
Distributor	Aux. Adv. Systems (type)	None		
	Make	Delco - Remv		
	Model			
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)		
		Intermed. points deg. @ rpm		
		Max. deg. @ rpm		
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)		
Intermed. points deg. @ in. Hg				
	Max. deg. @ in.			
	Vacuum Source	Intake Manifold Ported to Atmosphere at Idle		
Timing - Crank degrees @ rpm		NO BTG		
Cooling System		Same as Standard	T.V.S. Switch - (Automatic Transmission Only) to Advance Timing When Coolant Becomes Hot	
Exhaust System				

Evaporation Emission System Fuel Tank Vapors Inducted into Engine while Running. Soak Losses Stored by Activated Charcoal Accumulator for Later Ingestion During Periods of Operation. Accumulator Regenerated by Purging with Ambient Air During Engine Operation.

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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.)		
Fuel Tank	Filler location	Rear		
Fuel Pump	Type (elec. or mech.)	Mechanical		
Fuel Pump	Locations	Engine		
Fuel Pump	Pressure range	4.25 - 5.75 at Outlet (a)	4.25-5.75 @ Outlet	
Vacuum booster (std., optional, none)		None		
Fuel Filter	Type	Pleated Paper	Woven Plastic	
Fuel Filter	Locations	Carb. Inlet	Fuel Tank	
Choke type		Remote (Manifold) - Auto		
Intake manifold heat control (exhaust or water)		Exhaust	None	
Carburetor	Air cleaner type	Oiled Paper Element		
	Air cleaner type	Heavy Duty Dual Stage Element		
	Idle speed (spec. neutral or drive)	Manual	700 (Neutral) - A/C "Off"	
		Automatic	600 (Drive) - A/C "Off"	
	Idle A/F mix.	14.5	Not Applicable	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
GS	350	Manual (3)	Rochester	4MV	1-4 bbl	Primary 1.3750 Secondary 2.250
	350	Automatic	Rochester	4MV	1-4 bbl	Primary 1.3750 Secondary 2.250
GS "455"	455	Manual (364)	Rochester	4MV	1-4 bbl	Primary 1.3750 Secondary 2.250
	455	Automatic	Rochester	4MV	1-4 bbl	Primary 1.3750 Secondary 2.250

(a) 5.5 - 7.0 @ Outlet with V.R. Lines Blocked

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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.)	16.45	19.17
	Without heater (qt.)	15.62	18.34
	Opt. equipment-specify (qt.)	16.52 (A/C)	19.67 (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
	Diameter		18"
	Ratio-fan to crankshaft rev.		.95
	Fan cutout type		.92
	Bearing type		None - (Thermo - Clutch with A/C) Single Row Ball
Drive belts (indicate belt used by letter)	Fan		A
	Generator or alternator		B (with D)
	Water Pump		A
	Power Steering		C
	Air Conditioning		D

Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	38°	38°	38°	38°	38°	38°	38°	38°			
Nominal length (SAE)	45.5	46.0	52.5	61.5	48.9	49.38	42.2	64.0			
Width	.38	.38	.47	.47	.38	.38	.47	.47			

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ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco #R-58	Delco #Y-70	
	Voltage Rtg. & Total Plates		12-66		
	SAE Designation & Amp. Hr. Rtg.		9MJ3E-61	9MJ6A-70	
	Location		Right Front Fender Skirt		
Terminal grounded		Negative			
Generator or Alternator	Make		Delco - Remy		
	Model		1100751 (a) *		
	Type and rating		Diode Rectified Alternator (37 Amps) *		
	Output at engine idle (neutral)		15 amps (b)		
	Ratio-Gen. to Cr/s rev.		2.29 (c)	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		- - -	
		Current		None	
	Voltage test conditions	Temperature		None	
Load		Run 15 Minutes at 10 amps (Max.)			
Other		Battery Must Be In Circuit			

ELECTRICAL – STARTING SYSTEM

Starting Motor	Make		Delco - Remy		
	Model		1108391	1108392	
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		Manual - Place Selector Lever in Neutral and Depress Clutch Pedal Auto. - Place Selector Lever in Neutral or Park NOTE - Turn Ignition Switch Key Clockwise		
Motor Drive	Engagement type		Solenoid with Over-Running Clutch		
	Pinion meshes (front, rear)		Front		
	Number of teeth	Pinion		9	
		Flywheel	Manual	160	166
	Auto.		160	166	
Flywheel tooth face width		Manual	.375		
		Auto.	.375		

- (a) 1100774 with A/C
- (b) 20 amps with A/C
- (c) 2.66 with A/C
- (d) 2.93 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 @ 12.6V	
Engine idling		2.3 @ 12.6V		
Distributor	Make		Delco - Remy	
	Model		1111986	1112027
	Centrifugal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	850	1000
		Intermediate points deg. @ rpm	11 @ 1800	19 @ 1800
		Max. deg. @ rpm	22 @ 4600	28 @ 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		6° BTC @ 600	
Spark Plug	Mark location		Crankshaft Flange	Harmonic Damper
	Make		AC	
	Model		R 45TS	R 44TS
	Thread (mm)		14	
	Tightening torque (lb. ft.)		15	
Gap		.030		
Cable	Conductor type		2000 ohms per foot (Resistance Cable)	
	Insulation type		Neoprene (With Inner Braid)	
	Spark plug protector		Hypalon Boot	

ELECTRICAL - SUPPRESSION

Locations & type (a)

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

AMA Specifications—Passenger Car

MAKE OF CAR BUICK MODEL YEAR 1970 DATE ISSUED 9-18-69 REVISED (a)MODEL GS 43437 GS "455" 44637

ELECTRICAL - INSTRUMENTS AND EQUIPMENT

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

DRIVE UNITS- CLUTCH (Manual Transmission)

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

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DRIVE UNITS – TRANSMISSIONS

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

DRIVE UNITS – MANUAL TRANS.

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

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

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

(a) Optional 4-Speed Transmission Ratios Are:

- | | |
|-------------|----------|
| 1 - 2.20 | 3 - 1.28 |
| 2 - 1.64 | 4 - 1.00 |
| Rev. - 2.27 | |

(b) Heavy Duty 3-Speed Manual Transmission with Floor Shift - Optional on GS (Ratios Same as GS "455")

(c) 4-Speed Manual Transmission - Optional on GS and GS "455" (Floor Shift)

AMA Specifications—Passenger Car

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MODEL	GS 43437	GS "455" 44637
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DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic "350"	Turbo Hydra-Matic "400"																																
Type describe	Three Speed with Torque Converter	Three Speed with Torque Converter																																
Selector location	Lever - Steering Column Mounted (b)																																	
List gear ratios Selector Pattern and indicate which are used in each selector position	<table style="margin: auto;"> <tr> <th>Drive</th> <th>L²</th> <th>L¹</th> <th>Rev.</th> </tr> <tr> <td>1st 2.52</td> <td>2.52</td> <td>2.52</td> <td>1.93</td> </tr> <tr> <td>2nd 1.52</td> <td>1.52</td> <td>----</td> <td>----</td> </tr> <tr> <td>3rd 1.00</td> <td>----</td> <td>----</td> <td>----</td> </tr> </table>	Drive	L ²	L ¹	Rev.	1st 2.52	2.52	2.52	1.93	2nd 1.52	1.52	----	----	3rd 1.00	----	----	----	<table style="margin: auto;"> <tr> <th>Drive</th> <th>L²</th> <th>L¹</th> <th>Rev.</th> </tr> <tr> <td>1st 2.48</td> <td>2.48</td> <td>2.48</td> <td>2.08</td> </tr> <tr> <td>2nd 1.48</td> <td>1.48</td> <td>----</td> <td>----</td> </tr> <tr> <td>3rd 1.00</td> <td>----</td> <td>----</td> <td>----</td> </tr> </table>	Drive	L ²	L ¹	Rev.	1st 2.48	2.48	2.48	2.08	2nd 1.48	1.48	----	----	3rd 1.00	----	----	----
Drive	L ²	L ¹	Rev.																															
1st 2.52	2.52	2.52	1.93																															
2nd 1.52	1.52	----	----																															
3rd 1.00	----	----	----																															
Drive	L ²	L ¹	Rev.																															
1st 2.48	2.48	2.48	2.08																															
2nd 1.48	1.48	----	----																															
3rd 1.00	----	----	----																															
Max. upshift speed-drive range	(c) 50	(d) 85																																
Max. kickdown speed-drive range	(e) 40	(f) 75																																
		1-2 = 43 2-3 = 80 2-1 = 24 3-2 = 74																																
Torque converter	Number of elements		Three																															
	Max. ratio at stall		2.05																															
	Type of cooling (air, liquid)		Water																															
	Nominal diameter		11.75																															
Lubricant	Capacity-refill (pt.)		20 Total - 6.0 Drain																															
	Type recommended		23.0 Total - 7.0 Drain "DEXRON" ® Automatic Transmission Fluid																															
Special transmission features																																		

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.	3.00 x 56.00 x .065
	Manual 4-speed trans.	3.00 x 56.00 x .065
	Overdrive transmission	Not Available
	Automatic transmission	(a) 3.00 x 56.00 x .065
		(a) 3.25 x 55.10 x .065

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

(Continued)

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

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DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting, prepack)	None	
Slip Yoke	Type	Male Slip Yoke at Transmission Where Primary Slip is Taken	
	Number of teeth	27 O.D. Fit (Man.) 27 O.D. Fit (Auto)	27 O.D. Fit (Man.) 32 O.D. Fit (Auto)
	Spline O.D.	1.1745 - 1.1750 (Man.)	1.1745 - 1.1750 (Man.)
		1.1745 - 1.1750 (Auto)	1.3570 - 1.3730 (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)	Needles - (Anti-Friction)
Lubric. (fitting, prepack)		Prepack	
Drive taken through (torque tube or arms, springs)		Arms	
Torque taken through (torque tube or arms, springs)		Arms	

DRIVE UNITS – AXLE

Type (front, rear)		Rear		
Description		salisbury Hypoid - Semi-Floating		
Limited Slip differential, type		Positive Traction (Optional)		
Drive Pinion Offset		1.750		
Nos. of differential pinions		2		
Pinion adjustment (shim, other)		Shim		
Pinion bearing adj. (shim, other)		Collapsible Spacer		
Wheel bearing type		Roller		
Lubricant	Capacity (pt.)	2.90		
	Type recommended	MIL-M-2105B		
	SAE viscosity number	Summer	80	
		Winter	80	
	Extreme cold	80		

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.23	3.42	3.64	2.93	3.91	
No. of teeth	Pinion	13	12	11	14	11	
	Ring gear	42	41	40	41	43	
Ring Gear O.D.		8.500					

AMA Specifications—Passenger Car

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	GS	GS "455"
MODEL	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
	GS	GS "455"
MODEL	43437	44637

DRIVE UNITS-- TIRES

Standard	Size, ply rating, & ply	G78 - 14 (Two-Ply Sidewall with Four-Ply Tread)		
	Type (bias, radial, etc.)	Fiberglass Belted		
	Full rated Inflation Press.	Front	26	28 *
		Rear	28	28 *
	Rev./Mile at 50 MPH	771		
Optional	Size, ply rating, & ply	G60-15 with STD. or Chrome Plated 15x7.00 Wheels		
		H78 - 14 (Two-Ply Sidewall with Four-Ply Tread) G70 - 14 Wide Oval 8.55 - 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

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	GS 43437	GS "455" 44637
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BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)		Drum (a)		
Self adjusting (std., opt., N.A.)		Standard		
Special Volving	Type (proportion, delay, metering, other)	None		
Power brake make & type (remote, int., etc.)	Std.	No		
	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 - (Fronts) - (b)		
Drum	Diameter (nominal)	Front	9.495 - 9.505	
		Rear	9.495 - 9.505	
Type and material		Composite Cast Iron	(c)	
Rotor	Outer working diameter		11.00	
	Inner working diameter		7.00	
	Working width		1.035	
	Material & type (vented/solid)		Gray Iron - Vented	
Wheel cylinder bore	Front		1.125	
	Rear		.875	
Master Cylinder	Bore		1.000	
	displacement distribution	Front %	59.0	
		Rear %	41.0	
Pedal arc ratio		6.46 (d)		
Line pressure at 100 lb. pedal load		830 psi (e)		
Shoe Clearance	Front		.015	
	Rear		.015	
Brake lining	Bonded or riveted		Riveted	
	Front Wheel	Material		Extruded Molded
		Size (length x width x thickness)	Prim. or out-board	7.57 x 2.50 x .196 (Gross) - .096 (Net)
			Second. or in-board	9.83 x 2.50 x .265 (Gross) - .165 (Net)
		Segments per shoe		One
	Rear Wheel	Material		Extruded Molded
		Size (length x width x thickness)	Prim. or out-board	7.57 x 2.00 x .196 (Gross) - .096 (Net)
Second. or in-board			9.83 x 2.00 x .265 (Gross) - .165 (Net)	
Segments per shoe		One		

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

- (a) Power Disc Fronts, Optional
- (b) Based on Wheel Cyl. Size Only
- (c) Fronts - Finned Aluminum with Cast Iron Liners -- Rears - Composite C. I.
- (d) 3.44 When Optional Power Brake Equipped
- (e) 1130 psi with 30# Pedal Load When Power Brake Equipped

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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.) 44.0		
		Curb to curb (l. & r.) 40.9		
	Inside rear	Wall to wall (l. & r.) 23.0		
		Curb to curb (l. & r.) 23.6		
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	(b) Recirculating Ball Nut (Integral with Power Piston)	
		Ratios	Gear	(c)
		Overall	18.7:1 in Center - 15.4:1 at Ends of Travel	
	Pump driven by		Belt	
No. wheel turns (stop to stop)		3.4		
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 of 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 of curb wt. & preferred)	Caster (deg.)		-1/2° ± 1° (Curb Height)	
	Camber (deg.)		+1/2° ± 1° (Curb Height)	
	Toe-in (outside track inches)		.19 ± .12 (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) Variable Ratio Type
- (c) 16:1 for ±4° of Pitman Shaft Travel in Center - 12.2:1 at Ends of Travel *

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MODEL GS 43437 | GS "455" 44637

SUSPENSION—GENERAL

(See Supplement page for details on Air Suspension)

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

SUSPENSION—FRONT

Type and description		Coil Springs and Ball Joint	
Spring	Type	Coil	
	Material	SAE - 9260 Steel	
	Size (coil design height & I.D. bar length x dia.)	11.31 Design Height (3.60" I.D.)	*
		x 110.0" x .621"	x 122.0" x .643"
	Spring rate (lb. per in.)	410	450
	Rate at wheel (lb. per in.)	142	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	1070 Steel - .970	

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.)	*
		x 96.0" x .560"	x 98.0" x .540"
	Spring rate (lb. per in.)	144	122
	Rate at wheel (lb. per in.)	144	122
	Mounting insulation type	Rubber	
If leaf	No. of leaves	Not Used	
	Shackle (comp. or tens.)	Not Used	
Stabilizer	Type (link, linkless, frameless)	Linkless (Optional)	
	Material	1070 Steel .875 Dia.	
Track bar type		Not Used	

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FRAME

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

BODY – MISCELLANEOUS INFORMATION

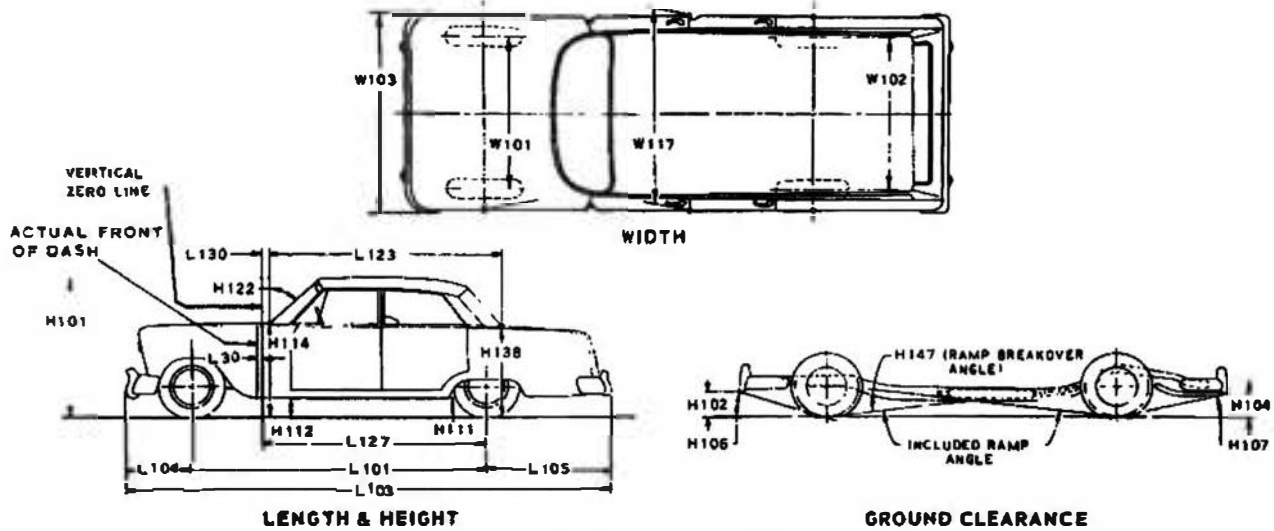
Drs. hinged (front, rr.)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)	Acrylic Lacquer	
Hood counterbalanced (yes, no)	Yes	
Hood release control (internal, external)	External	
Vehicle Ident. No. location	Left Side of Upper Instrument Panel	
Engine No. location	Left Cylinder Block at Front Below Head	Right Cylinder Head at Rear on Boss
Theft protection - type	Anti-Theft Steering Column Lock	
Vent window control method (crank, friction pivot)	Front	Vent Not Used
	Rear	Vent Not Used
Seat cushion type	Front	Zig - Zag
	Rear	Zig - Zag
	3rd seat	- - -
Seat back type	Front	Zig - Zag
	Rear	Zig - Zag
	3rd seat	- - -
Windshield glass type (i.e., single curved - laminated plate)	Compound Curved (Laminated Type)	
Side glass type (i.e., curved - tempered plate)	Curved (Tempered Plate)	
Backlight glass type (i.e., compound curved - tempered plate, three piece)	Single Curved (Tempered Plate) *	
Windshield glass exposed surface area	1208.7	
Side glass exposed surface area	1334.0	
Backlight glass exposed surface area	895.1	
Total glass exposed surface area	3437.8	

AMA Specifications—Passenger Car

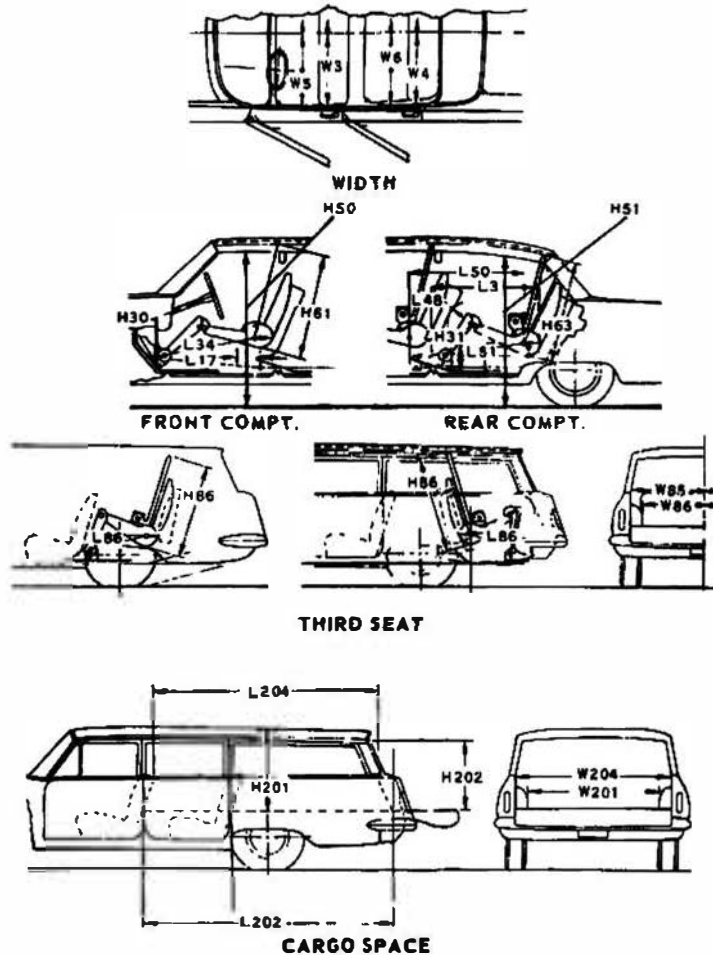
CAR AND BODY DIMENSIONS

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 a 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 a 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 wheelhouseings 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 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.

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AMA Specifications—Passenger Car

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