AMA Specifications – Passenger Car

Data prepared and distributed by American automobile manufacturers, using uniform questionnaire form developed by car manufacturers under auspices of the Automobile Manufacturers Association.

MAKE OF CAR OLDSMOBILE **MODEL YEAR** 1959 **DATE: ISSUED** **REVISED**

COMPANY

MODEL NAME	SYMBOL		MODEL NAME	SYMBOL
Dynamic 88	4-Door Sedan	32		
Super 88	" "	35		
Ninety Eight	" "	38		

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NOTES:

1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.
UNLESS OTHERWISE INDICATED:
2. All specifications are standard for the models under which they are listed.
3. Specifications apply basically to 4-door sedan or equivalent. Body dimensions shown on pages 19-24 include other body models available.
4. All dimensions are nominal engineering dimensions.

GENERAL SPECIFICATIONS

MODEL		Additional Information Page No.:	32	35	38
Wheelbase (L-101)		22	123.00	123.00	126.30
Tread	Front (W-101)	23	61	61	61
	Rear (W-102)	23	61	61	61
Maximum Overall Dimensions	Length (L-103)	22	218.4	218.4	223.0
	Width (W-103)	23	80.8	80.8	80.8
	Height (H-101)	21	56.0	56.0	56.0
Transmission—(Specify trade name - opt., not available)	Manual	12	Std.	Std.	N.A.
	Overdrive	13	N.A.	N.A.	N.A.
	Automatic	13	Optional	Optional	Std.
Axle ratio	Manual	14	3.64:1	3.64:1	N.A.
	Overdrive	14	N.A.	N.A.	N.A.
	Automatic	14	3.08:1	3.23:1	3.42:1
Tire size		15	8.50 x 14	9.00 x 14	9.00 x 14
Engine	Type, no. cyl., valve arr.	2	90° V-8 O.H.	90° V-8 O.H.	90° V-8 O.H.
	Fuel system (Carb. or inj.)	6	Carb.	Carb.	Carb.
	Bore and stroke	2	4 x 3.69	4.125 x 3.69	4.125 x 3.69
	Piston displ., cu. in.	2	371	394	394
	Std. compression ratio	2	9.75:1	9.75:1	9.75:1
	Max. bhp at engine rpm	2	270 @ 4600	315 @ 4600	315 @ 4600
	Max. torque at rpm	2	390 @ 2400	435 @ 2800	435 @ 2800

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ENGINE—GENERAL				
Type, no. cyls., valve arr.		90°V8 O. H.	90°V8 O. H.	90°V8 O. H.
Bore and stroke		4.00 x 3.69	4.125 x 3.69	4.125 x 3.69
Piston displacement, cu. in.		371	394	394
Bore spacing (C/L to C/L)		4.625	4.625	4.625
No. system (front to rear)	L. Bank	1-3-5-7	1-3-5-7	1-3-5-7
	R. Bank	2-4-6-8	2-4-6-8	2-4-6-8
Firing order		1-8-7-3-6-5-4-2	1-8-7-3-6-5-4-2	1-8-7-3-6-5-4-2
Compres. ratio (nominal)	Standard	9.75:1	9.75:1	9.75:1
	Optional	None	None	None
Cylinder Head Material	Standard	Cast Iron	Cast Iron	Cast Iron
	Optional	None	None	None
Cylinder Sleeve – Wet, dry, none		None	None	None
Number of mounting points	Front	One	One	One
	Rear	Two	Two	Two
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		51	54	54
Published max. bhp at engine RPM*	Standard	270 @ 4600	315 @ 4600	315 @ 4600
	Optional	**	None	None
Published max. torque* (lb. ft. @ RPM)	Standard	390 @ 2800	435 @ 2800	435 @ 2800
	Optional	**	None	None
Recommended fuel regular – premium	Standard	Premium		
	Optional	None		
Recommended idle speed (neutral)		460 SM & HT	460 SM & HT	460 SM & HT
ENGINE—PISTONS				
Material		Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Description and finish		Auto-Thermic, Cam Grind, Tin Plate, Steel Strut		
Weight (piston only) oz.		25.82 oz.	27.76 oz.	27.76 oz.

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(Continued)

** 4 GC Carburetor
300 BHP @ R. P. M. = 4600

410 Torque @ R. P. M. = 2800

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ENGINE PISTONS (Cont.)					
Clearance (limits)	Top land			.028 - .034	
	Skirt	Top		.001 to .0025	
		Bottom		.001 to .0015	
Ring groove depth	No. 1 ring		.206 - .213	.2125 - .2195	.2125 - .2195
	No. 2 ring		.206 - .213	.2125 - .2195	.2125 - .2195
	No. 3 ring		.196 - .203	.2045 - .2075	.2045 - .2075
	No. 4 ring		None	None	None

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, type, coating; etc.	Cast Iron - Upper Ring Chrome Plated O. D. Taper Face. Lower Ring - Parco Lubrite - Taper Face-Interrupted Scraper Groove.
	Width	#1 - .0775 - .0780 #2 - .0925 - .0935
	Gap	.013 to .023
Oil	Description - material, type, coating, etc.	Spring Steel - Two Rails - Chrome Plated O. D. - Spacer - Black Oxide
	Width	Rails .0238 to .0252 Each Spacer - .1715 to .1815
	Gap	.015 to .055
Expanders		None

ENGINE—PISTON PINS

Material			S. A. E. #1016 Special
Length			3.126
Diameter			.9803 - .9807
Type	Locked in rod, in piston, floating, etc.		Full Floating
	Bushing	In rod or piston	Rod
		Material	GM #4077 M Bronze
Clearance	In piston		.0003 - .0005 Loose
	In rod		.0003 - .0005 Loose
Direction & amount offset in piston			.090 to R. H. of Cylinder Bore Centerline

ENGINE—CONNECTING RODS

Material			Steel S. A. E. #1139		
Weight (oz.)			35.58 oz.	34.55 oz.	34.55 oz.
Length (center to center)			6.998		
Bearing	Material & Type		Moraine 400 Aluminum with G. M. 3874 Babbit Overlay - Steel Backed		
	Overall length		.821 - .831		
	Clearance (limits)		.0005 to .0026		
	End play		(.004 - .009 Preferred) .002 - .011 (2 Rods Per Crankpin)		

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ENGINE—CRANKSHAFT

Material			S. A. E. #1145 Modified or S. A. E. #1046
Vibration damper type			Rubber Absorption
End thrust taken by bearing (No.)			Rear Upper and Lower
Crankshaft end play			.004 - .008
Main bearing	Material & type		#1-2-3-4 Steel Backed Aluminum Moraine 400 with G. M. #3874-M Babbit Overlay. #5 Rear Steel Backed Durex 100A with G. M. #4167-M Babbit Overlay
	Clearance		#1-2-3-4 .0008 to .0024 #5 .0015 to .0030
	Journal dia. and bearing overall length	No. 1	3.00 x .818
		No. 2	3.00 x .818
		No. 3	3.00 x .818
		No. 4	3.00 x .818
		No. 5	3.00 x 1.195
		No. 6	None
		No. 7	None
	Dir. & amt. cyl. offset		None
Crankpin journal diameter			2.50

ENGINE—CAMSHAFT

Location			Center
Material			Alloy Cast Iron
Bearings	Material		Steel Backed G. M. 4195-M Babbit
	Number		5
Type of drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		S. A. E. #1140,1118, 1141, 1146, GM 85M Steel or A. S. T. M. B-310 Sintered Iron
	Camshaft gear or sprocket material		Cast Iron
	Timing chain	No. of links	48
		Width	.844
		Pitch	.500

ENGINE—VALVE S

Hydraulic lifters (Std, opt, NA)		Standard
Special provision for valve rotation (intake, exhaust)		No
Rocker ratio		8 to 1
Operating tappet clearance (indicate hot or cold)	Intake	None
	Exhaust	None
Timing marks on fly-wheel, damper, other		Crankshaft Balancer

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ENGINE—VALVE SYSTEM (cont.)					
Timing	Intake	Opens (°BTC)	16° 0' @ .00538 Cam Lift		
		Closes (°ABC)	45° 0' @ .00749 Cam Lift		
		Duration - deg.			
	Exhaust	Opens (°BBC)	64° 0' @ .00535 Cam Lift		
		Closes (°ATC)	20° 0' @ .00749 Cam Lift		
		Duration - deg.			
	Valve opening overlap				
Intake	Material		Thompson S. A. E. #3140 Steel-Eaton S. A. E. #8645 Steel		
	Overall length		4.999		
	Actual overall head dia.		1.875		
	Angle of seat		45°		
	Seat insert material		None		
	Stem diameter		.3432 - .3427		
	Stem to guide clearance		.0010 to .0025		
	Lift		.435		
	Outer spring press. and length	Valve closed (lb. @ in.)	90# @ 1.837		
		Valve open (lb. @ in.)	182# @ 1.437		
	Inner spring press. and length	Valve closed (lb. @ in.)	None		
		Valve open (lb. @ in.)	None		
Exhaust	Material		Thompson & Eaton G. M. -N82152 Steel		
	Overall length		4.999		
	Actual overall head dia.		1.562		
	Angle of seat		45°		
	Seat insert material		None		
	Stem diameter		.3945 - .3940		
	Stem to guide clearance		.0015 to .0030		
	Lift		.437		
	Outer spring press. and length	Valve closed (lb. @ in.)	90# @ 1.837		
		Valve open (lb. @ in.)	182# @ 1.437		
	Inner spring press. and 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		Pressure		
	Cylinder walls		Pressure		

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	35-45 at 50 M. P. H.
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	4 Quarts
Oil grade recommended (SAE viscosity and temperature range)	Not Lower than 32° F. -S. A. E. 20 or 20W As Low as 10° F. - S. A. E. 20W As Low as 10° F. -S. A. E. 10W Lower than 10° F. -S. A. E. 5W
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single with Cross-over (Dual Optional)
Muffler No. & type (reverse flow, straight thru, separate resonator)		Reverse Flow (Resonators with Dual System)
Exhaust pipe dia. (O.D. & wall thickness)	Branch	2. 0" O. D. x . 059
	Main	2. 25" O. D. x . 076
Tail pipe diameter (O.D. & wall thickness)		2. 0" O. D. x . 054

ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. If used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor	
Fuel tank	Capacity (gals.)		20 Gallons	
	Filler location		Center Rear Bumper	
Fuel pump	Type (elec. or mech.)		Mechanical	
	Locations		Engine Front Cover	
	Pressure range		5 lbs. to 6 lbs. @ 16" Above Outlet @ 1800 Camshaft R. P. M.	
Vacuum booster (std., optional, none)			Optional	
Fuel filter	Type		Accreated & Saran Type	
	Locations		Fuel Pump & Gas Tank	
Carburetor	Make & Model No.		*Rochester 2GC	Rochester 4GC / Rochester 4GC
	Number & Type		Single Dual	Single Quad. / Single Quad.
	Barrel size		1. 6875	1/5625 prim. -1. 6875 sec'd. / 1. 5625 prim-1. 6875 sec'd
	Choke type		Automatic	Automatic / Automatic
	Intake manifold heat control (exhaust or water)		Exhaust	Exhaust / Exhaust
	Air clnr. type	Standard	Aluminum Foil Element	Paper Element / Paper Element
		Optional	Paper Element	None / None

* 4-GC Carburetor Optional

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ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)			Pressure System
Radiator cap relief valve pressure			13 Pounds (15# on Air Conditioned Cars)
Circulation thermostat	Type (choke, bypass)		Choke
	Starts to open at (°F)		157° - 162°
Water pump	Type (centrifugal, other)		Centrifugal
	Number of pumps		One
	Drive (V-belt, other)		V-Belt
	Bearing type		Ball Bearing
By-pass recirculation type (internal, external)			Internal
Radiator core type (cellular, tube and fin, other)			Tube & Center
Cooling system capacity	With heater (qt.)		21
	Without heater (qt.)		20
	Opt. equipment-specify (qt.)		1.71 Additional for Air Conditioned Cars
Water jackets full length of cylinder (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator hose	Lower	Number and type (molded, straight)	S. A. E. 20 R4 Class R - Grade 1A Coolant Hose One - Molded Modified
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	S. A. E. 20 R4 Class R - Grade 1A One-Molded-Modified
		Inside diameter	1.75
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & Spacing		Four-76° and 104° (Six-50°-54°and 76°Air Conditioned Cars)
	Diameter		18 inch (19 inch - Air Conditioned Cars)
	Ratio-fan to crankshaft rev.		.817 to 1
	Fan cutout type		None
	Bearing type		Ball
*Drive belts (indicate belt used by letter)	Fan		(A)
	Generator		(B)
	Water Pump		(C)
	Power Steering		(D)
	Air Conditioning		(E)

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* Drive Belt Dimensions	A	B	C	D	E	
Angle of V	36°	36°	36°	36°	36°	
Nominal length (SAE)	58.50	58.50	58.50	66.50	68.00	
Width	.380	.380	.380	.380	.380	

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ELECTRICAL—SUPPLY SYSTEM

			MODEL 32	MODEL 35	MODEL 38
Battery	Make and Model		Delco Remy		
	Voltage Rtg. & Total Plates		12 - V - 11 Plate		
	SAE Designation & Amp Hr. Rtg		70 AMP/Hr		
	Location		Left Front Fender		
	Terminal grounded		-Negative		-Cars with Air Cond.
Generator	Make		Delco Remy		Delco Remy
	Model		1102092		1102093
	Type		Shunt		Shunt
	Ratio—Gen. to Cr/s rev.		2.236:1		2.823:1
	Gen. cut-in—engine rpm		525		550
Regulator	Make		Delco Remy		Delco Remy
	Model		1119002		1119600
	Type				
	Cutout relay	Closing voltage @ generator rpm	11.8 to 13.5 Volts (Adjust 12.8)		11.8 to 13.0V (Adjust 12.8V)
		Reverse current to open	Not Specified		Not Specified
	Regulated	Voltage	13.8V to 14.8 Volts (Adjust 14.5V)		13,8 to 14.6V (Adjust 14.52)**
		Current	32 to 37A (Adjust to 35A)		38 to 42A (Adjust 40A)
	Voltage test conditions	Temperature	***		
		Load	5 to 10 Amps		
		Other			

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco Remy		
	Model		1107665	1107716	1107716
	Rotation (drive end view)		Clockwise		
	Engine cranking speed		150 R.P.M. Approx.		
	Test conditions		Room Temperature Min. Batt Gravity 1.240		
	Lock test	Amps	Not Specified		
		Volts	" "		
		Torque (lb. ft.)	" "		
	No load test	Amps	65 to 100 Amps	80 to 120 Amp.	80 to 120 Amp.
		Volts	10.6 Volts	10.6 Volts	10.6 Volts
		RPM (min.)	3600	3900	3900
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		Turn ignition switch key to full clock-wise position (Spring reutrn). Shift lever must be in "P" or "N"		

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** Set Lower Contac. 1 to .3 Volts Lower than Upper Contact.

*** Operation temp shall be assumed to exist after not less than 15 min. of continuous operation with a charge rate of 8-10 amperes and Voltage Regulator opening.

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type		Helical Spline Sliding Gear - Overrunning clutch		
	Pinion meshes (front, rear)		Front		
	Number of teeth	Pinion	9		
		Flywheel	176		
	Flywheel tooth face width		.490-.510	.490-.510	.420-.430

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco-Remy
	Model		1115112
	Amps	Engine stopped	4.5 (With Resistor)
		Engine idling	2.0 (With Resistor)
Distributor	Make		Delco-Remy
	Model		1110931
	Centrifugal adv. in crankshaft degrees @ engine rpm	Start (rpm)	0 to 4° @ 800 RPM
		Intermediate points deg. @ rpm	13.5° to 17.5° @ 2000 RPM 16° to 20° @ 2400 RPM
		Max deg. @ rpm	22° to 26° @ 4400 RPM
	Vacuum adv. in crankshaft degrees @ in. Hg.	Start (in. Hg)	8.0" to 10.0" HG.
		Intermediate points, deg. @ in. Hg	11° to 18° @ 16" HG.
		Max. deg. in. Hg.	20.5° to 23.5° @ 21 HG.
	Breaker gap (in.)		.016
	Cam angle (deg.)		28 to 32°
	Breaker arm tension (oz.)		19 to 23 oz.
Timing	Crankshaft deg. @ rpm.		5° BTC @ 850 R.P.M. with vacuum line disconnected
	Mark location		Vibration Damper
	Cylinder numbering system (see page 2)		Right Bank 2-4-6-8 Left Bank 1-3-5-7 Front to Rear as viewed from drivers seat
	Firing order (see page 2)		1-8-7-3-6-5-4-2
Spark Plug	Make and model		A.C.-44
	Thread (mm)		14 M.M.
	Tightening torque (lb. ft.)		23-28 Ft. Lbs
	Gap		.030
Cable	Conductor type		Resistance Core
	Insulation type		Neoprene
	Spark plug protector		Yes

ELECTRICAL—SUPPRESSION

Description	Resistance type cable. All spark plug leads, and coil lead. Nominal 4000 OHMS/ft.

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ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	A. C.
	Trip odometer (yes, no)	No
Charge indicator-type		Indicator Lamp
Temperature indicator-type		" "
Oil pressure indicator-type		" "
Fuel indicator-type		Elec. Gauge
Other		
Ignition switch	Identify positions in order and circuits controlled 1	Accessory-Radio, Heat, A. Cond., Wind, Antenna, Wiper, PowerSeat on.
	2	Off
	3	Ign--Ign. thruResistor, Instruments, Back-upLight Feed plus above Accessories.
	4	Start--Ign. Direct to Coil, Start Solenoid Ground Circuit for Checking "Hot" Lamp
	Provision for illumination	Yes
	Location	On Instrument Panel to Right of Steering Column
Main lighting switch	Identify positions and lights controlled 1	- Park } Tail, License, and Instrument Panel Lights
	2	- Headlamps }
		Panel Lights Dimmed by Rotating Light Switch Knob Foot Dimmer-L. H. Floor Switch-Hi to Lo Beam
Other light switches	Locations and lamps controlled	Center of Instrument Panel Overhang, also Controlled by Front Door Jamb Switches.
	Courtesy Light	Lights at each End of Instrument Panel underside
	Glove Box Light	P. B. Switch Controlled by Glove Box Door Opening
	Brake Light	P. B. Switch Controlled by Parking Brake Arm
	Back-up Light	Combined with Safety Switch - Lamps in Rear Bumper
	Dome Light	Switch on Lamp Body
Other switches	Locations and devices controlled	Concentric with Main LightSwitch-FullClockwisePosition Turns
	Autronic Eye	Autronic Eye on. -Over Ride Switch Combined with Foot Dimmer
	Power Ant.	Center of Instrument Panel Overhang Controls Elec. Ant. Up & Down
		See Bottom of Page for Other Switches
Windshield wiper	Make	Delco Appliance
	Type	Elec.
	Vacuum booster provision	No
	Washer provision	Yes
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	7 to 12A at 12V

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Power Top - Center of Instrument Panel Overhang-Controls Convertible Top

Rear Window - Center of Instrument Panel Overhang Controls Rear Tail Gate Window on Station Wagon

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ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamps & arrangement		Horizonatal - 2-4001, 2-4002		
Headlamp beam indicator		53		
Parking light		1034		
Tail light		1034		
Stop light		1034		
Direction signal	Front	1034		
	Rear	1034		
	Indicator	2 - 57		
License plate light		2 -67		
Instrument light		4 - 57		
Ignition lock light		53		
Back up light		1073	*	*
Dome light		1004	1004	2 - 90
Clock light		2 - 57 *	*	
Radio light		1891	*	*
Glove compartment light		57	*	
Brake Light		57	*	
Courtesy Lt.		2 - 90 *	*	
Shift 2nd Lt.		53	*	
Ash Tray Lt.			2 - 53	
Heater Cont.		57 *	*	*
Air Cond. Cont.		57 *	*	*
			See Extra Sheet Attached	

ELECTRICAL—FUSE &CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lights SFE-10 (a), Direction indicator same as (a).

Headlamp	25 C. B. (a)		
Headlamp beam indicator	Same as (a)		
Parking light	Same as (a)		
Tail light	SFE 9 (b)		
Stop light	SFE 20 (c)		AGC 25
Direction indicator	SFE 9 (d)		
License plate light	Same as (b)		
Instrument light	AGA 3 (e)		
Ignition light	Same as (e)		
Back up light	SFE 9 (b)		
Dome light	Same as (c)		
Clock	AGA 1		
Clock light	Same as (e)		
Radio	AGW 40N Deluxe and Transportable	AGW 7.5 on Super Deluxe	
Glove compartment light	Same as (b)		
Brake Light	Same as (f)		
Courtesy Lt.	Same as (c)		
Shift in Lt.	Same as (e)		
Ash tray Lt.	" " (e)		
Air Cond. Lt.	" " (e)		

See Extra Sheet Attached

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ELECTRICAL--LAMP BULBS (Cont.)

Oil Press. Warning		57	
Gen. Warning		57	
Temp. Ind. -Hot		57	
Temp. Ind. -Cold		53	
Underhood	89 *	*	*
Rear Compartment	89 *	*	*

ELECTRICAL--FUSE &CIRCUIT BREAKER DATA (Cont.)

Heat Control Lt.	Same as (e)
Oil Pressure	Same as (f)
Generator	Same as (f)
Temperature Ind.	Same as (f)
Fuel Gage	Same as (f)
Under Hood Lite	Same as (b)
Rear Compt. Lite	Same as (b)
Cigar Lighter	SFE 20
Heater	SFE 20
Elect. Seat	SFE 20
Elect. Windows	SFE 20
Elect. Antenna	SFE 20
Elect. Wiper	SFE 20

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MAKE OF CAR OLDSMOBILE **MODEL YEAR** 1959 **DATE: ISSUED** _____ **REVISED** _____

MODEL	32	35	38

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Long-11CF	Long-11CF	N. A.
Type pressure plate springs		Coil	Coil	
Total plate pressure (lb.)		1954	2062	
No. of clutch driven discs		1	1	
Clutch facing	Material	Woven Asbestos	Woven Asbestos	
	Outside & inside dia.	11 x 7	11 x 7	
	Total eff. area (sq.in.)	113	113	
	Thickness	.385	.385	
	Engagement cushioning method	Torbend Plate	Torbend Plate	
Release bearing	Type & method of lubrication	Ball-Lube Fitting	Ball-Lube Fitting	
Torsional damping	Methods: springs, friction material	Coil-Steel	Coil-Steel	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Standard	Standard	N. A.
Manual with overdrive (std. or opt.)	N. A.	N. A.	N. A.
Automatic (std. or opt.)	Optional	Optional	Standard

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds			3	3	NA
Transmission ratios	In first		2.15	2.15	
	In second		1.37	1.37	
	In third		1.00	1.00	
	In fourth				
	In reverse		2.28	2.28	
Synchronous meshing, specify gears			2&3	2 &3	
Lubricant	Capacity (pt.)		2.5	2.5	
	Type recommended		Multi-Purpose Gear Lube	Multi-Purpose Gear lube	
	SAE viscosity number	Summer	80	80	
		Winter	80	80	
		Extreme cold	80	80	

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DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)			N. A.
	Manual lockout (yes, no)			
	Downshift accelerator control (yes, no)			
	Minimum cut-in speed			
	Gear ratio			
	Lubricant	Capacity (Overdrive only)		
		Separate filler (yes, no)		
		Type recommended		
		SAE viscosity number	Summer	
			Winter	
			Ext. cold	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name			Hydra-Matic			
Type describe			1959 (Controlled Coupling) HMT			
Method of Selection (Lever, Push Button or other)			Lever			
Selector Pattern	P Park	N Neutral	D Drive	S Super	L Low	R Reverse
List gear ratios Selector Pattern and indicate which are used in each selector position * Forced Upshift @ 47 MPH ** Forced Upshift @ 72 MPH	DRIVE 3.9666:1 2.5532:1 1.5536:1 1.0000:1		SUPER 3.9666:1 2.5532:1 1.5536:1 ** 1.0000:1	LOW 3.9666:1 2.5532:1 * 1.5536:1 ** 1.0000:1		REVERSE 3.7395:1
Max. upshift speeds—drive range			70-75 MPH			
Max. kickdown speeds—drive range			65-70 MPH			
Torque convertor	Number of elements		NA			
	Max. ratio at stall at engine rpm		NA			
	Type of cooling (air, water)		NA			
Lubricant	Capacity—refill (pt.)		22			
	Type recommended		Type-A- Transmission Fluid with suffix A			
Special transmission features			A small fluid coupling fills and dumps to control the front planetary unit. Transmission oil cooler is provided for severe operating conditions.			

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DRIVE UNITS—PROPELLER SHAFT

Number used			Two Piece		
Type (exposed, torque tube)			Exposed		
Outer diameter x length* x wall thickness	Manual transmission		Front - 2.25 x .095 Rear - 1.75 x .165	x 62.20	N. A.
	Overdrive transmission		N. A.		
	Automatic transmission		Optional		Same as Manual Except 65.50 Length
Intermediate bearing	Type (plain, anti-friction)		A/F Ball Bearing		
	Lubrication (fitting, prepack)		Prepack		
Universal joints	Make		Saginaw and Spicer		
	Number used		3		
	Type (ball and trunnion, cross, other)		Cross		
	Bearing	Type (plain, anti-friction)	Anti-friction		
		Lubric. (fitting, prepack)	Prepack		
Drive taken through (torque tube or arms, springs)			Springs (Air Suspension-Arms-Air Ride)		
Torque taken through (torque tube or arms, springs)			" (" " " " ")		

DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)			HYPOID - CARRIER TYPE		
Drive Pinion Offset			1.75	1.75	1.75
No. of differential pinions			2	2	2
Gear ratio and No. of teeth	Automatic transmission		3.08 40:13	3.23 42:13	3.42 41:12
	Overdrive trans.		N. A.	N. A.	N. A.
	Manual transmission		3.64 (40:11)	3.64 (40:11)	N. A.
Ring gear pitch diameter & O.D.			9.25	9.25	9.25
Pinion adjustment (shim, other)			Shim	Shim	Shim
Pinion bearing adj. (shim, other)			Coll. Spacer	Coll. Spacer	Coll. Spacer
Wheel bearing type			Sealed Ball	Sealed Ball	Sealed Ball
Lubricant	Capacity (pt.)		5		
	Type recommended		Multi-Purpose		
	SAE viscosity number	Summer	90		
		Winter	90		
		Extreme cold	90		

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

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DRIVE UNITS—WHEELS

Type & material		Welded Steel
Rim (size and flange type)		14 z 6K
Attachment	Type (bolt or stud)	Stud
	Circle diameter	5.000
	Number and size	(5) - 7/16

DRIVE UNITS—TIRES

* Standard	Size & ply	8.50-14/4	9.00-14/4
	Type - Nylon, etc.	Rayon	Rayon
	Sidewall color	Black	Black
Optional	Size & ply	9.00-14/4	9.50-14/4
	Type - Nylon, etc.	Rayon	Rayon
	Sidewall color	Black or White	Black or White
Rev/mile at 30 mph		735	713
Inflation press.(cold)	Front	22	22
	Rear **	20	20

BRAKES—SERVICE

Type				MORAINE DUO-SERVO
Power brake type				Moraine & Bendix (Optional) / Moraine & Bendix (Standard)
Effective area (sq. in.)				156.8
Gross lining area (sq. in.)				191.7
Percent brake effectiveness-front				56%
Drum	Diameter	Front		11.00 x 2.50
		Rear		11.00 x 2.00
	Type and material			Cast Iron & Steel Centrifuse
Brake lining	Bonded or riveted			Riveted
	Front Shoe	Material		Marshall 4641
		Size (length x width x thickness)	Front wheel	9.375 x 2.500 x .250
			Rear wheel	9.375 x 2 x .250
		Segments per shoe		One
	Rear Shoe	Material		Marshall 9795D
		Size (length x width x thickness)	Front wheel	12.03125 x 2.500 x .250
			Rear wheel	12.03125 x 2 x .250
		Segments per shoe		One
Wheel cylinder bore	Front			1.125
	Rear			1.000
Master cylinder bore				1.000 Manual / .656 Power
Available pedal travel				6.500 " / 3.10 "
Line pressure at 100 lb. pedal load				750 App. " / 850 Approx. "
Shoe clearance adjustment				.015

* For Air Conditioning Equipment:
32 Model - 9.00 x 14 Standard
35-38 Makes - 9.50 x 14 Standard

** Station Wagon - 22 lbs. Rear Pressure

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MODEL	32	35	38

BRAKES—PARKING

Type of control		Foot Pedal Control
Location of control		Left of Steering Column
Operates on		Rear
If separate from service brakes	Type (internal or external)	Not Separate
	Drum diameter	
	Lining size (length x width x thickness)	

FRAME or UNITIZED CONSTRUCTION

Type and description	Deep Channel Section Side Rails & Side Bars - I Beam X Members & Five Cross Bars.

SUSPENSION—GENERAL (See Supplemental page 16 for details on Air Suspension)*

Provision for car leveling		Air Ride Cars Only
Provision for brake dip control		Counter Dive Design of Suspension
Provision for acc. squat control		In Rear Spring Design-
Special provisions for car jacking		None
Shock absorber front & rear	Type	Direct Acting
	Make	Delco Products Div. GMC
	Piston dia.	1 Inch
Other special features		None

SUSPENSION—FRONT

Type and description	Independent Coil Spring - Standard Car (Optional) Independent Air Spring (Air Ride)

(Continued) Rev. Form 1-58

* Air Suspension:

Air spring type	Diaphram Type
Compressor data	
type	90°Twin Cylinder
make	Delco Products Div.
drive ratio	-- 1.14 to 1 --
Normal operating pressures	Hi Pressure System-250 PSI-Front Springs 100PSI Rear-85PSI
spring rates	Front 252 - Rear 70
leveling data	3 Height Valves - 1 Front - 2 Rear Continuous Rate of Leveling by Flow Control through Valves.

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MODEL			32	35	38

SUSPENSION FRONT (cont.)

Spring	Type		Coil		
	Material		SAE 9260 M		
	Size (coil design height & I.D.; bar length x dia.		11" Design Height-4.05 I.D.-181" Long -.703 Dia.		
	Spring rate (lb. per in.)		300	300	300
	Rate at wheel (lb. per in.)		100	100	100
	Design load (lb. @ design height)		2430	2430	2500
Stabilizer	Type (link, linkless, frameless)		Link		
	Material & bar diameter		SAE 1070 Steel - 7/8" Dia.		

STEERING

Mechanical (std., opt., NA)				Std.	Std.	N. A.
Power (std., opt., NA)				Opt.	Opt.	Std.
Wheel diameter				17.5" on Std.	17" on Opt.	17"
Turning diameter	Outside front	Wall to wall (l. & r.)		46' - 48'1"	46' - 48'1"	47'1" - 47'1"
		Curb to curb (l. & r.)		43'1"-46'3"	43'1" - 46'3"	43'8" - 44'1"
	Inside rear	Wall to wall (l. & r.)		26'4.5"-27'8.5"	26'4 1/2" - 27'8.5"	26'4" - 26'5"
		Curb to curb (l. & r.)		27'2.5"-28'5"	27'2 1/2"-28'5"	26'8.5"-27'1"
Outside wheel angle with inside wheel at 20°						
Mechanical	Gear	Type		Ball Nut	Ball Nut	N. A.
		Make		Saginaw	Saginaw	N. A.
		Ratios	Gear	23.6	23.6	N. A.
			Overall	29.4	29.4	N. A.
	No. wheel turns			4.750	4.750	N. A.
Power	Type			Hydraulic		
	Make			Saginaw		
	Trade name			Power Steering		
	Gear	Type		Ball Nut		
		Ratios	Gear	17.5:1		
			Overall	21.8:1		
	Pump driven by			Belt from Crank		
	Number wheel turns			4		
Linkage	Type			Symetrical		
	Location (front or rear of wheels, other)			Rear		
	Drag link (trans. or longit.)			Transverse		
	Tie rods (one or two)			Two		

(Continued)

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MODEL	32	35	38

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)			10° at 0° Camber
	Bearings (type)	Upper		Ball Joint
		Lower		Ball Joint
		Thrust		Ball Joint
Wheel alignment (range and preferred)	Caster (deg.)			Range - 0 to 1° Negative
	Camber (deg.)			" -.250 to + .750
	Toe-in (outside tread-inches)			0 to .125
Steering spindle & joint type				Ball Joint
Wheel spindle	Diameter	Inner bearing		1.3736/1.3741
		Outer bearing		.8427/.8432
	Thread size			13/16 - 16
	Bearing type			Ball & Cone

SUSPENSION—REAR

Type and description					Longitudinal Leaf Spring	
Drive and torq. taken through (see page 14)					Springs	
Spring	Type				Semi-Elliptic Leaf.	
	Material				SAE 5155 or SAE 5160	
	Size (length x width, coil design height and I.D.; bar length & dia.)				58" x 2.500"	
	Spring rate (lb. per in.)			95	95	100
	Rate at wheel (lb. per in.)			115	115	120
	Design load (lb. at design height)			1000	1000	1025
	Mounting insulation type				Rubber	
	If leaf	No. of leaves			5	
		Inserts	Type and size		Full Length Liners	
			Material		Composition	
		Shackle (comp. or tens.)			Compression	
Stabilizer	Type (link, linkless, frameless)				None	
	Material				None	
Track bar type					None	

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BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by the S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front and rear seat "B" points are located on seat back 15" from center of body at height of horizontal tangent to top of seat cushion.
3. Front seat is in the full down and normal rearmost position.
4. Loaded position—5 passenger, front 300 lb., rear 450 lb.; includes spare wheel, tire and tools, and full complement of gas, oil, water, and tires to recommended pressure, etc.
5. C/L (centerline).
6. D. L. O. (daylight opening, exposed glass dimension – pages 21, 23 & 25).
7. Ramp breakover angle (page 21) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

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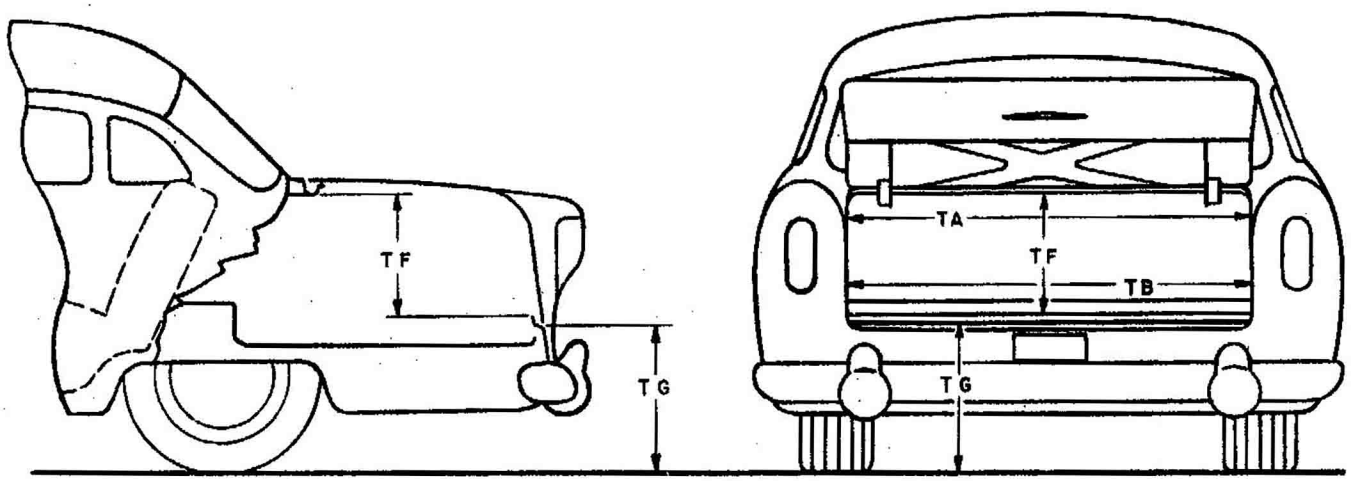
BODY—TRUNK DIMENSIONS



Usable trunk luggage capacity (see Section H1 of SAE Automotive Drafting Standards)	17.64	17.64	17.64
TA— Width across the top	52.4	52.4	52.4
TB —Width across the bottom	49.1	49.1	49.1
TF—Vertical dimension at C/L from bottom to top of opening.	8.7	8.7	8.7
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal – loaded)	27.4	27.4	27.4
Position of spare tire stowage	Right Side Inclined		
Method of holding lid open	Torsion Rods		

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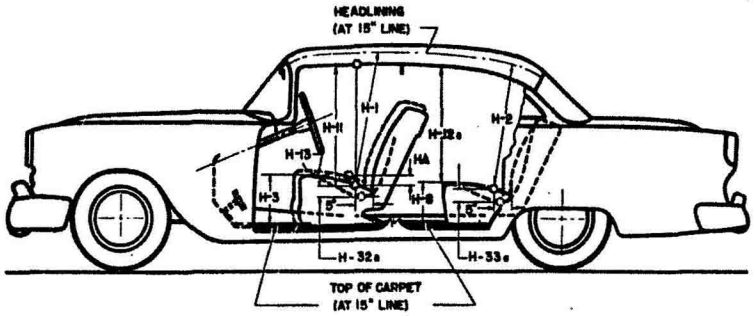
BODY—HEIGHT DIMENSIONS--INTERIOR



MODEL	32	35	38
H1. Front headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	34.9	34.9	34.9
H2. Rear headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line.	34.2	34.2	34.2
H3. Front cushion height above low point on floor carpet on 15" line (front edge of cushion).	9.8	9.6	9.9
H8. Rear cushion height above low point on floor carpet on 15" line (front edge of cushion).	13.7	13.6	13.6
H11. Entrance—front—cushion free "A" point to bottom windcord vertical.	30.0	30.0	30.0
H12a. Entrance — rear — top of cushion at vertical tangent to front of rear seat, to bottom of windcord in rear.	28.0	28.0	28.0
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance).	4.9	4.9	4.9
HA. Front seat maximum vertical rise at free "A" point.	.5	.5	.5
HF. Front seat maximum vertical rise of free "A" point with multiple-position seat.	2.3	2.3	2.3
H32a. Front seat depressed depth – vertical dimension from free "A" point to depressed "A" point.	4.5	4.5	4.5
H33a. Rear seat depressed depth – vertical dimension from free "A" point to depressed "A" point.	4.5	4.5	4.5

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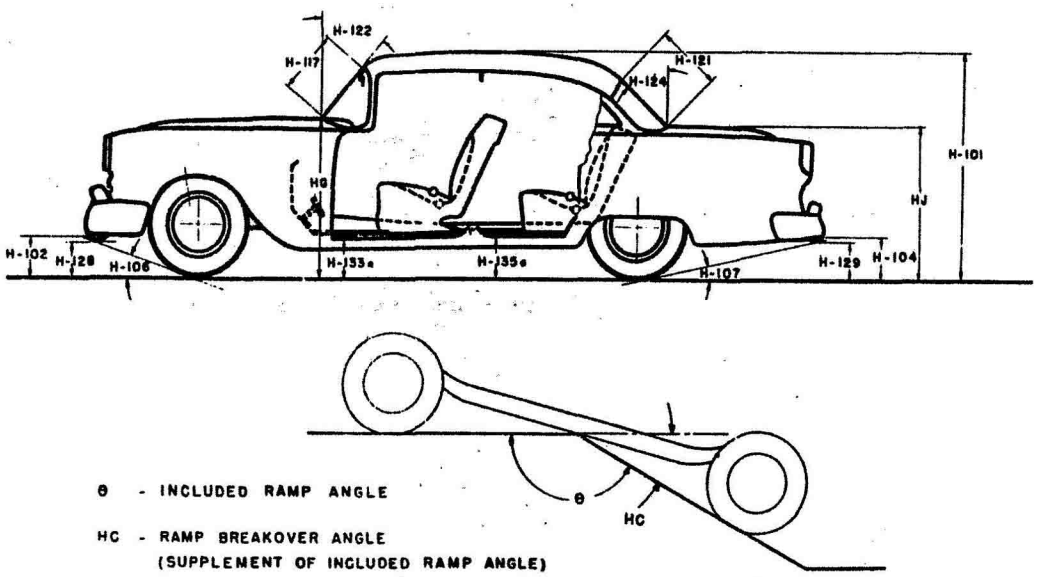
BODY—HEIGHT DIMENSIONS—EXTERIOR



θ - INCLUDED RAMP ANGLE

HC - RAMP BREAKOVER ANGLE
(SUPPLEMENT OF INCLUDED RAMP ANGLE)

MODEL	32	35	38
H101. Overall height - loaded.	56.0	56.0	56.0
HB. Overall height - curb weight.	57.7	57.7	57.7
H102. Front bumper bottom to ground at normal section.	12.38	12.38	12.38
H104. Rear bumper bottom to ground at normal section.	10.60	10.60	10.36
H106. Angle of appr.-fr. tire static loaded rad. to interfering pt. on fr. bumper, gd., other.	25° 30'	25° 30'	25° 30'
H107. Angle of dep.-fr. tire static loaded rad. to interfering pt. on rr. bumper, gd., other.	12° 5'	12° 5'	11° 46'
HC. Ramp breakover angle.*	6° 18 1/2'	6° 18 1/2'	6° 7 1/2'
H117. Windshield DLO-slant height.	26.8	26.8	26.8
H121. Backlight DLO*-max., slant height.	25.7	25.7	25.7
H122. Windshield slope angle to vertical line on car axis.	48.8°	48.8°	48.8°
H124. Backlight slope angle to vertical line on car axis.	59.0°	59.0°	59.0°
H128. Ground to bottom of front bumper guard.	Lowest Point Front Bumper		
H129. Ground to bottom of rear bumper guard.	Lowest Point Rear Bumper		
H133a. Bottom of front door to ground, min. dimension - car loaded.	11.5	11.5	11.5
H135a. Bottom of rear door to ground, min. dimension - car loaded.	11.3	11.3	11.3
HD. Min. road clear. (5 pass. load) & loc.	5.5(Frame'x'Bar)	5.5(Frame x Bar)	5.5(Frame x Bar)
HE. Min. road clearance at rear axle.	7.1	7.1	7.1
HG. Hood at rr. to grd.-vert. dim. excl. molding, fr. hood opening line at cowl (curb wt.)	39.5	39.5	39.5
HH. Max. ht., fr. grd. frt. of windshield (curb wt.)	40.4	40.4	40.4
HJ. Max. ht. fr. grd. back of r. window (curb wt.)	39.6	39.6	39.6

* See Notes, page 19.

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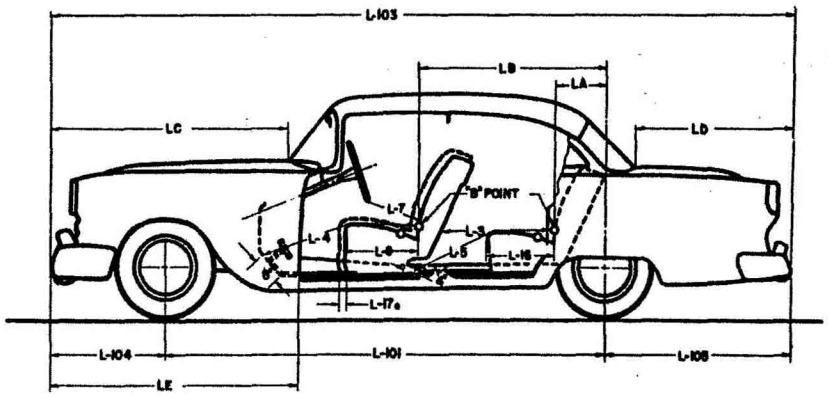
BODY—LENGTH DIMENSIONS



MODEL		32	35	38
Interior	* L3. Rear compartment of front seat back to rear seat back.	29.2	29.2	32.5
	* L4. Leg room—front—ball of foot to top of seat to seat back--15" line.	44.8	44.5	44.5
	* L5. Leg room—rear—from ball of foot to top of seat cushion and to seat back.	42.5	42.4	45.4
	L7. Steering wheel clearance to seat back taken on arc.	13.7	13.7	13.7
	* L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	19.0	19.0	19.0
	* L16. Depth of rear seat (front edge to seat back).	18.3	18.3	18.3
	L17a. Total adjustment of front seat at front lower seat frame.	5.4	5.4	5.4
	LA. Rear seat "B" point to center line of rear axle.	20.0	19.8	19.8
	LB. Front seat "B" point to center line of rear axle.	55.0	55.0	58.3
	LC. Front of car to base of windshield.	59.2	59.2	59.2
	LD. Rear of car to base of rear window or upper structure.	46.5	46.5	47.8
	LE. Front of car to front edge of front door.	71.8	71.8	71.8
Exterior	L101. Wheelbase.	123.0	123.0	126.3
	L103. Overall length (bumper to bumper inc. guards).	218.4	218.4	223.0
	L104. Overhang—front including bumper guards.	36.4	36.4	36.4
	L105. Overhang—rear including bumper guards.	59.0	59.0	60.3

* Dimension taken on 15" line—see notes 1 & 2, page 19.

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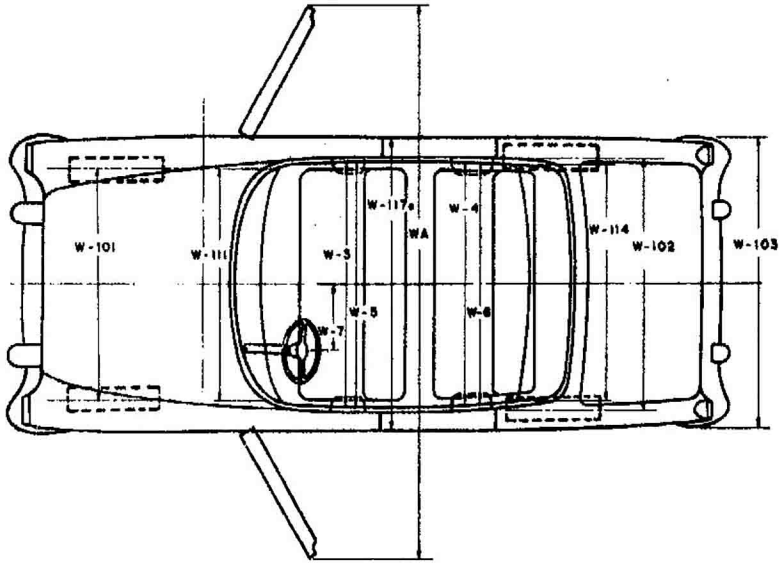
BODY—WIDTH DIMENSIONS



MODEL		32	35	38
Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	60.5	60.5	60.5
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	59.7	59.7	59.1
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	66.1	66.1	66.1
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	65.5	65.5	65.5
	W7. Steering wheel center to center of body.	16.4	16.4	16.4
Exterior	W101. Front tread at ground.	61.0	61.0	61.0
	W102. Rear tread at ground.	61.0	61.0	61.0
	W103. Max. overall width of car including bumpers or mouldings.	80.8	80.8	80.8
	WA. Max. overall width of car with doors open.	148.9	148.9	154.4
	W111. Windshield DLO, max. width.	63.5	63.5	63.5
	W114. Back window DLO, max. width.	59.5	59.5	59.5
	W117a. Max. body width at center pillar, less hardware and applied moldings.	79.0	79.0	79.0

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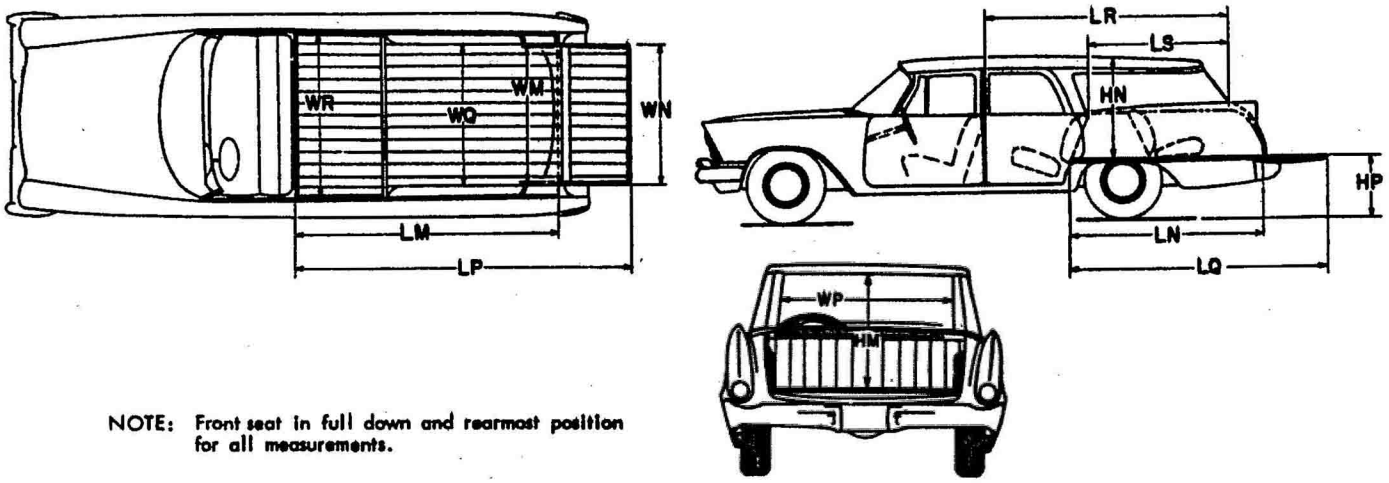
STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and rearmost position for all measurements.

MODEL	32 - 35
LM Floor length from bottom of front seat to inside of tail gate in raised position.	91.6
LN Floor lgth. from bottom of second seat to inside of tail gate in raised position.	56.9
LP Floor lgth. from bottom of front seat to end of tail gate in lowered position.	122.9
LQ Floor lgth. from bottom of second seat to end of tail gate - tail gate lowered.	97.9
HM Maximum hgth. of rear opening - tail gate lowered.	22.6
WM Rear end opening width at floor.	50.5
WN Rear end opening width at top of tail gate.	49.5
WQ Minimum distance between wheelhouses.	45.1
WP Maximum width of rear opening above raised tail gate.	45.1
WR Maximum width of cargo space at floor.	63.3
LR Cargo horizontal distance from top rear of front seat back to top of tail gate.	84.0
LS Cargo horizontal distance from top rear of second seat back to top of tail gate.	47.7
HN Maximum height of roof above floor at center line of car.	30.1
HP Platform height of end of lowered tail gate - curb weight.	27.4
Third Seat - facing direction.	N.A.

AMA Specifications –Passenger Car

MAKE OF CAR OLDSMOBILE **MODEL YEAR** 1959 **DATE: ISSUED** _____ **REVISED** _____

MODEL	32	35	38

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front	Front	Front
	Rear doors	Front	Front	Front
Type of finish (lacquer, enamel).		Lacquer	Lacquer	Lacquer
Hood hinge location (front, rear).		Rear	Rear	Rear
Hood counterbalanced (yes, no).		Yes	Yes	Yes
Hood release control (internal, external).		External		
Vehicle (Serial) No. Location		Front Door Hinge Post L. H. (All Models)		
Engine No. location		None		
Theft protection - type		Key Type Starting System		
Vent window control method (crank, friction pivot).		Crank	Crank	Crank
Windshield type (single curved, compound curved, other)		Compound Curve		
Rear window type (flat, curved, one piece, three piece)		Curved, One Piece		
Side glass type (curved, flat)		Flat		
Windshield glass area D.L.O.		1809.7	1809.7	1809.7
Backlight glass area D.L.O.		1622.0	1622.0	1622.7
Total glass area D.L.O.		5040.7	5040.7	5124.6

BODY—TYPES AND STYLE NAMES —

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

BODY STYLES:	CODES		
2-Door Sedan	59-3211	NA	NA
4-Door Sedan	59-3219	59-3519	59-3819
Fiesta Sedan	59-3235	59-3535	NA
Holiday Coupe	59-3237	59-3537	59-3837
Holiday Sedan	59-3239	59-3539	59-3839
Convertible Coupe	59-3267	59-3567	59-3867

AMA Specifications -- Passenger Car

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MAJOR OPTIONAL ITEMS - WEIGHTS (ESTIMATED)

Model	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
32 Series: (88)								
2 Door Sedan	2295	1955	4250					4087
4 Door Sedan	2335	1990	4325					4162
Fiesta Sedan	2364	2271	4635					4472
Holiday Coupe	2305	1964	4296					4133
Holiday Sedan	2353	2004	4357					4194
Conv. Coupe	2324	1979	4303					4140
35 Series: (S-88)								
4 Door Sedan	2357	2008	4365					4202
Fiesta Sedan	2384	2291	4675					4512
Holiday Coupe	2345	1997	4342					4179
Holiday Sedan	2382	2030	4412					4249
Conv. Coupe	2345	1997	4342					4179
38 Series: (98)								
4 Door Sedan	2482	2114	4596					4433
Holiday Coupe	2483	2116	4599					4436
Holiday Sedan	2528	2154	4682					4519
Conv. Coupe	2483	2116	4599					4436

Accessories & Equipment Differential Weights				Remarks
Hydra-Matic Trans.	70	28	98	
Heater	31	9	40	
Power Steering	33	2	35	
Deluxe Radio	9	4	13	
Trans-Portable Radio	11	5	16	
Power Brakes	11	4	15	All weights on this
Air Conditioning	144	3	147	
Dual Exhaust	15	28	43	Sheet are estimated
Air Suspension	40	52	92	
4 Way Elect. Seat	17	16	33	
6 Way Elect. Seat	18	17	35	
Elect. Window Lifts	7	11	18	

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* These are weights that are reported to states for licensing purposes.