

AMA Specifications – Passenger Car

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MANUFACTURER Cadillac Motor Car Company	CAR NAME Cadillac	
MAILING ADDRESS 2860 Clark Avenue	MODEL YEAR 1963	ISSUED: 10-5-62 REVISED (e)

NOTES:

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

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BODY—TYPES AND STYLE NAMES—

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

			<u>Code</u>
6257	6 Passenger	Coupe	G
6229	6 Passenger	Sedan 6 Wdw.	K
6239	6 Passenger	Sedan 4 Wdw.	H
6267	6 Passenger	Convertible	F
6357	6 Passenger	Coupe DeVille	J
6329	6 Passenger	Sedan DeVille 6 Wdw.	L
6339	6 Passenger	Sedan DeVille 4 Wdw.	B
6389	6 Passenger	Sedan DeVille 4 Wdw. Park Avenue	D
6367	6 Passenger	Convertible - Eldorado Biarritz	E
6039	6 Passenger	Sedan - Special Fleetwood	M
7523	9 Passenger	Sedan - Fleetwood	R
7533	9 Passenger	Sedan - Fleetwood Limousine	S

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.	
Wheelbase (L101)	23	129.50 149.8 (75)
Tread	Front (W101)	22 61
	Rear (W102)	22 61
Maximum Overall Dimensions	Length (L103)	23 223 215 (Park Avenue) 243.2 (75)
	Width (W103)	22 79.9
	Height (H101)	24 *
Transmission (Specify trade name - opt., not available)	Manual	15 N.A.
	Overdrive	16 N.A.
	Automatic	16 Hydramatic
Axle ratio	Manual	17 N.A.
	Overdrive	17 N.A.
	Automatic	17 ** 2.94:1 3.36 (75)
Tire size	18	(1) 8.00 x 15 Black Wall (2) 8.20 (75)
Engine	Type, no. cyl., valve arr.	2 V-8 Ohv.
	Fuel system (Carb., other)	8 Carb. - 4 BBL
	Bore and stroke	2 4.00 x 3.875
	Piston displ., cu.in.	2 390
	Std. compression ratio	2 10.5:1
	Max. hhp at engine rpm	2 325 @ 4800
	Max. torque at rpm	2 430 @ 3100

* 56.6 - 608
 56.4 - 6229-6329
 54.8 - 6239-6339-89
 55.1 - 6257-6357
 55.6 - 6267
 55.8 - 6367
 59.0 - 6723-33

** 3.21 Opt.
 Std. on A/C with No Opt.

** 3.77 Opt.
 3.36 A/C only

(1) 8.20 x 15 Opt. W/W

(2) 8.20 x 15 W/W Opt.

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MODEL All

ENGINE—GENERAL

Type, no. cyls., valve arr.		V-8 Ohv.
Bore and stroke (nominal)		4.00 x 3.875
Piston displacement, c.u. in.		390
Bore spacing (C/L to C/L)		4.562
No. system (front to rear)	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order		1-8-7-2-6-5-4-3
Compres. ratio (nominal)		* 10.5:1
Cylinder Head Material		Cast Iron
Cylinder Block Material		Cast Iron
Cylinder Sleeve—Wet, dry, none		None
Number of mounting points	Front	2
	Rear	1
Engine installation angle		4° 28' 45"
Taxable $\frac{\text{Dta, 2 x No. Cyl.}}{\text{horsepower}}$ 2.5		51.2
Published max. bhp* @ eng. RPM		325 @ 4800
Published max. torque* (lb. ft. @ RPM)		430 @ 3100
Recommended fuel regular - premium		Premium
Idle speed (spec. neutral or drive)	Manual	N.A.
	Automatic	** 480 Drive

ENGINE—PISTONS

Material			Aluminum Alloy
Description and Finish			Double T Slot Cam Ground Contoured Top - Stannate Coat
Weight (piston only) oz.			20.4832
Clearance (limits)	Top land		.032 - .037
	Skirt	Top	.0005
		Bottom	0
Ring groove depth	No. 1 ring		.208
	No. 2 ring		.208
	No. 3 ring		.208
	No. 4 ring		None

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

* Exp. 8.75:1

** A/C Cars - System must be on.

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP ⊙ RPM	Torque ⊙ RPM		
				See Page Two			

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MODEL All

ENGINE-RINGS

Function (top to bottom)	No. 1, oil or comp.	Comp.
	No. 2, oil or comp.	Comp.
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, type, coating, etc.	#1 Chrome Plated - High Strength Cast Iron #2 Cast Iron - Lubrited
	Width	.0781
	Gap	.013 - .023
Oil	Description - material, type, coating, etc.	Multi-Piece Steel - Side Seal Type Chrome Plated
	Width	.1875
	Gap	.015 - .055
Expanders		Yes

ENGINE-PISTON PINS

Material	1045 Steel	
Length	3.093	
Diameter	1.00	
Type	Locked in rod, in piston, floating, etc.	Locked in Rod
	Bushings In rod or piston Material	None
		None
Clearance	In piston	.00005 - .0001
	In rod	Press Fit
Direction & amount offset in piston	11/16 Toward Max. Thrust Side	

ENGINE-CONNECTING RODS

Material	1041 Steel	
Weight (oz.)	22.56	
Length (center to center)	6.500	
Bearing	Material & Type	Moraine - M 400 Removable
	Overall length	.755 - .880
	Clearance (limits)	.0005 - .0021
	End play	.008 - .014 (Total Two Rods)

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MODEL All

ENGINE—CRANKSHAFT

Material		Pearlitic Malleable Iron	
Vibration damper type		Rubber Absorption	
End thrust taken by bearing (No.)		Center Main (#3)	
Crankshaft end play		.001 - .007	
Main bearing	Material & type		
	#1 Moraine M 400 #5 Moraine M 100 #2-3-4 Upper M 100 - Lower M 400		
	Clearance		
	Journal dia. and bearing overall length	No. 1	3.00 x 1.063
		No. 2	3.00 x .907
		No. 3	3.00 x 1.125
		No. 4	3.00 x .907
		No. 5	3.00 x .907
No. 6		-	
No. 7		-	
Dir. & amt. cyl. offset		See Piston	
Crankpin journal diameter		2.25	

ENGINE—CAMSHAFT

Location		Center of V
Material		GM 120M Cast Iron
Bearings	Material	Steel Backed Babbit
	Number	5
Type of Drive	Gear or chain	
	Chain	
	Crankshaft gear or sprocket material	
	Sintered Iron GM 3884 M	
	Camshaft gear or sprocket material	
	Die Cast Aluminum - Nylon Gear	
Timing chain	No. of links	46
	Width	.6875
	Pitch	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Std.
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1.65:1
Operating tappet clearance (indicate hot or cold)	Intake	Automatic
	Exhaust	Automatic
Timing marks on flywheel, damper, other		Crankshaft Balancer

(Continued)

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MODEL All

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	39° @ .001 Lift	
		Closes (°ABC)	105°	
		Duration - deg.	324°	
	Exhaust	Opens (°BBC)	85° @ .001 Lift	
		Closes (°ATC)	59°	
		Duration - deg.	324°	
Valve opening overlap		98°		
Intake	Material		1041 Aluminized Steel	
	Overall length		4.794	
	Actual overall head dia.		1.875	
	Angle of seat & face		44°	
	Seat insert material		None	
	Stem diameter		.3415 - .3425	
	Stem to guide clearance		.0005 - .0025	
	Lift (± zero lash)		.451	
	Outer spring press. and length	Valve closed (lb. @ in.)	60-65 @ 1.946	
		Valve open (lb. @ in.)	155-165 @ 1.496	
	Inner spring press. and length	Valve closed (lb. @ in.)	-	
		Valve open (lb. @ in.)	-	
	Exhaust	Material		21-4 N
		Overall length		4.815
Actual overall head dia.		1.500		
Angle of seat & face		44°		
Seat insert material		-		
Stem diameter		.3415 - .3420		
Stem to guide clearance		.001 - .0025		
Lift (± zero lash)		.451		
Outer spring press. and length		Valve closed (lb. @ in.)	60-65 @ 1.946	
		Valve open (lb. @ in.)	155-165 @ 1.496	
Inner spring press. and length		Valve closed (lb. @ in.)	-	
		Valve open (lb. @ in.)	-	

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Press.
	Connecting rods	Press.
	Piston pins	Splash
	Camshaft bearings	Press.
	Tappets	Press.
	Timing gear or chain	Metered Centrifugal Flow
	Cylinder walls	Intermediate Jet

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MODEL _____

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	30-35 @ 30 MPH
Oil pressure sending unit (elect. or mech.)	Electric Tell-Tale
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Element
Capacity of crankcase, less filter-refill (qt.)	4 + 1 Qt. for Filter
Oil grade recommended (SAE viscosity and temperature range)	+ 32°F 20W - SAE 20 - 32°F IOW - 30-IOW Below 0°F 5W-20 - SAE 5W
Engine Service Requirement (MM, MS, etc.)	Service MS or GM 4745M

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single With Cross Over
Muffler No. & type (reverse flow, straight thru, separate resonator)	Reverse Flow Muffler & Straight Thru Resonator
Exhaust pipe dia. (O.D. wall thickness)	Exhaust 2 1/4"
Branch	Intermediate 2 1/8"
Main	2 1/8 - .0598
Tail pipe diameter (O.D. & wall thickness)	

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction System
	Optional	-
Control unit	Make and model	A.C.
	Location	Below Carb.
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)	Spring Loaded Valve and Fixed Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold
	Air Inlet (breather cap, carburetor air cleaner, other)	Breather Cap
	Flame arrestor (screen, check valve, other)	Check Valve

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MODEL _____

ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carb.
Fuel Tank	Capacity (gals.)	26 (21 Park Ave.)
	Filler location	Rear of Rear License Plate
Fuel Pump	Type (elec. or mech.)	Mech.
	Locations	Lower Left Side - Front of Eng.
	Pressure range	5.25 - 6.50 @ 1800 RPM
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	A.C.
	Locations	Top Center - Front of Engine
Carburetor	Choke type	Integral
	Intake manifold heat control (exhaust or water)	
	Exhaust	
	Air c/w. type	Dry Pack Single Inlet
	Standard	-
	Optional	-

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		

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MODEL _____

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		13.5 - 16.5	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at (°F)	172° - 177°	
Water pump	Type (centrifugal, other)	Centrifugal Dual Outlet	
	GPM @ 1000 pump rpm	19	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
Bearing type		Double Row Ball Bearings	
By-pass recirculation type (internal, external)		External	
Radiator core type (cellular, tube and fin, other)		Tube & Center	
Cooling system capacity	With heater (qt.) <u>Std.</u>	17.2 19.7 (67)	
	Without heater (qt.)	-	
	Opt. equipment-specify (qt.)	18.2 20.7 (67)	
Water jackets full length of cylinder (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	(1) Molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	(1) Molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & Spacing	4 @ 76° 7 @ 45° - 60° (75) 5 All A/C 45° - 25°	
	Diameter	4 - 19" (5-18.5 A/C) 18" (75)	
	Ratio-fan to crankshaft rev.	.96:1 (A/C Cars 1.1:1)	
	Fan outlet type	Viscous With Internal Bi-Metal	
	Bearing type	Ball	
*Drive belts (indicate belt used by letter)	Fan W/Pump & Gen.	53.10 (A/C 52.40)	
	Generator		
	Water Pump		
	Power Steering	50.62	
Air Conditioning -Comp.	57.46		

* Drive Belt Dimensions	
Angle of V	
Nominal length (SAE)	
Width	.375

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MODEL _____

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Delco Remy		
	Voltage Rtg. & Total Plates	12 Volt - 11 Plates		
	SAE Designation & Amp Hr. Rtg	70 Amp. Hrs. @ 20 Hr. Rate		
	Location	Right Front Side - Under Hood		
	Terminal grounded	Negative		
Generator	Make	Delco Remy		
	Model	1100624		
	Type	42	52 (75 & A/C)	
	Ratio—Gen. to Cr/s rev.	2.76:1	1100617	
	Gen. cut-in (hot)—engine rpm	Charge @ Idle		
Regulator	Make	Delco Remy		
	Model	1119512		
	Type	Double Contact		
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8 - 14.8 @ 100°	
		Current	None	
	Voltage test conditions	Temperature	100°	
		Load	10 Amps	
		Other	-	

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco Remy		
	Model	1107799		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	150-200 RPM		
	Test conditions			
	Lock test	Amps	300-360	
		Volts	3.5	
		Torque (lb. ft.)	N.A.	
	No load test	Amps	65-100	
Volts		10.6		
RPM (min.)		3600-5100		
Motor control	Switch (solenoid, manual)	Solenoid		
	Starting procedure	<p>Cold Start - Depress Acc. to Floor, Remove Foot, Turn Ign. Key Full Right to Start</p> <p>Warm Start - Depress Acc. Halfway Hold until Engine Starts.</p>		

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MODEL _____

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Spiral Spline & Over-running Clutch
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	166
Flywheel tooth face width		.500	

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco Remy
	Model		1115132
	Amps	Engine stopped	2.4
Engine idling		1.25	
Distributor	Make		Delco Remy
	Model		1111032
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0° - 1.5° @ 400 RPM
		Intermediate points deg. @ rpm	2.5° - 4° @ 1200 RPM 5° - 7° @ 2800 RPM
		Max deg. @ rpm	7° - 9° @ 2000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	8-10
		Intermediate points, deg @ in Hg	2° - 4.5° @ 11" 5.50 - 8.5° @ 14" 8.50 - 12° @ 16"
		Max. deg. in. Hg.	10.5° - 12°
	Breaker gap (in.)		.016
	Cam angle (deg.)		28° - 32° Set @ 30°
Breaker arm tension (oz.)		19-23	
Timing	Crankshaft deg. @ rpm.		5° BTDC
	Mark location		Crankshaft Balancer
	Cylinder numbering system (see page 2)		1-3-5-7 Left Bank 2-4-6-8 Right Bank
	Firing order (see page 2)		1-8-7-2-6-5-4-3
Spark Plug	Make and model		AC 44
	Thread (mm)		14
	Tightening torque (lb. ft.)		20-25
	Gap		.035
Cable	Conductor type		Resistant Core
	Insulation type		Neoprene
	Spark plug protector		Neoprene

ELECTRICAL—SUPPRESSION

Locations & type	Packard Electric - Dist. Res. Wire .3 Mfd. on coil - Feed term. .5 Gen. Reg. - Feed Term. Two Ground Straps - Rear of cyl. hd. Two Ground Straps - Upper Contr. Arms.
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MODEL _____

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	A.C.
	Trip odometer (yes, no)	Yes
Charge Indicator—type		Tell-Tale
Temperature indicator—type		Gauge
Oil pressure Indicator—type		Tell-tale
Fuel Indicator—type		Gauge
Other		Trunk Warning Lite - Tell Tale
Ignition switch	Identify positions in order and circuits controlled	Vertical - Ign. off 1st Position Clockwise - All Circuits On 2nd Position Clockwise - Ign. & Starter 1st Position Counterclock - Acc. Only
	Provision for illumination	Yes
	Location	R.H. Side of Steering Col. in Panel
Main light-ig switch	Identify positions and lamps controlled	1st Position - Park - Instru. & Tail 2nd Position - Full out HdLmps.-Instru. & Rotate Knob - Full left - operates interio Rotate Knob - Right-Rheostat Control Intensit Panel Lites.
Other light switches	Locations and lamps controlled	Glove Box - Console - Air Cond. - Heater Turn Indicator-Trunk-Turn Signal Switch Controls cornering lites when Ign. and lite switch are on.
Other switches	Locations and devices controlled	Door Jam Switches for interior lites. Switches on front seat backs for rear compartment lites. Interior lites also controlled by Headlamp switch.
Windshield wiper	Make	Delco
	Type	Electric
	Vacuum booster provision	-
	Washer provision	Yes
Horn	Type	Solenoid Vibrating Diaphragm
	Number used	2 (3 on Eldorado)
	Amp draw (each)	10.5

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MODEL _____

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	Dual Horizontal 2-4001 2-4002	
Headlamp beam indicator	1-53	
Parking	2-1034	
Tail - Fender	2-67	
Stop - Tail - Bumper	2-1034	
Direction signal	Front	See Parking Lite
	Rear	See Stop Lite
	Indicator	2-53
License plate	2-67	
Instrument	-	
Ignition lock	1-53	
Lock up	2-1073	
Dome	1-1004 (75 Series) Chauffeur 1-90	
Clock	1-57	
Radio	1-57	
Glove compartment	1-57	
Ash Tray-Frt.	2-53	
Cornering Imp.	2-1195	
Rear Qt. Lamp	2-212 (75 & 60)	
Rear Qt. Lamp	2-90 (62)	
Frt. Door	2-212 (60-6267-63)	
Rear Door	2-212 (60-63)	
Rear Door	2-90 (75)	
Rear Qt.	2-212 (62-6357-6367)	
Fuel & Temp.	1-57	
Gen. Tell-Tale	1-57	
Htr. - Vent Panel	4-57	
Oil-Tell-Tale	1-57	

Map	1.212
Radio Dial	1.57
Radio AM Ind.	1.1892
Radio FM Ind.	2.1892
Radio Rear	1-53 (75)
Speedo	2-57
Shift Ind.	1-57
Trunk	1-89
" Tell-tale	1-57

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MODEL _____

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 lamp SFE-10 (a), Direction indicator same as (a).

Headlamp	20A-CB	Power Seats & Windows	CB
Headlamp beam indicator	20A-CB	Gen. TT	6 Amp.
Parking lamp	20A-CB		
Tail lamp	20A-CB	Hydro-Elect. Conv. Top	L.B.
Stop lamp	14 Amp.	Cruise Control	6 Amp.
Direction indicator	14 Amp.	Horns	25 Amp.
License plate lamp	20A-CB	Guide-matic	6 Amp.
Instrument lamp	9 Amp.	Cornering Lites	20 A-CB
Ignition lamp	20A-CB		
Back up lamp	9 Amp.		
Dome lamp			
Clock	25 Amp.		
Clock lamp	20A-CB		
Radio	7.5 Amp. AM - 2.5 Amp. AM-FM		
Glove compartment lamp	25 Amp.		
Power Trunk T.T.	25 Amp.		
A/C & Heater	25 Amp.		
Antenna	14 Amp.		
Wiper	25 Amp.		
Body Feed	25 Amp.		
Cigar Lites	25 Amp.		
Map Lite	25 Amp.		
Ash Tray	20A-CB		
Instr. Lites,	20A-CB		

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	21.18 (60-62-63)	21.62 (75)
		Highest	31.19 (60-62-63)	31.63 (75)
	Stop		21.18 (60-62-63)	21.62 (75)
		Backup	21.18 (60-62-63)	21.62 (75)
	License, rear		21.18 (60-62-63)	21.62 (75)
	Directional	Front	22.25 (60-62-63)	23.19 (75)
		Rear	21.18 (60-62-63)	21.62 (75)
	Headlamp	Inside	28.48 (60-62-63)	29.42 (75)
		Outside*	28.48 (60-62-63)	29.42 (75)
	Distance from C/L of car to center of bulb	Tail	Inside	-
Outside				34.20
Stop			34.20	
Backup			34.20	
License, rear				
Direction		Front		29.25
		Rear		34.20
Headlamp		Inside		28.60
		Outside*		34.90

* If single headlamps are used enter here.

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MODEL _____

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	N.A.	
Type pressure plate springs		
Effective plate pressure (lb.)		
No. of clutch driven discs		
Clutch facing	Material	
	Outside & inside dia.	
	Total eff. area (sq.in.)	
	Thickness	
	Engagement cushioning method	
Release bearing	Type & method of lubrication	
Torsional damping	Methods: springs, friction material	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	
Manual with overdrive (std. or opt.)	
Automatic (std. or opt.)	Std.

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	N.A.		
Transmission ratios	In first		
	In second		
	In third		
	In fourth		
	In reverse		
Synchronous meshing, specify gears			
Shift lever location			
Lubricant	Capacity (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
Extreme cold			

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MODEL _____

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 (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
Winter			
Ext. cold			

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Hydramatic	
Type describe	Fluid Coupling With Gears	
Method of Selection (Lever, Push Button or other)	Lever	
Selector Pattern	P-N-Drive-Drive-Lo-R	
List gear ratios Selector Pattern and indicate which are used in each selector position	2nd - 2.5532 3rd - 1.5536 4th - 1.0000 Lo - 3.9666 Rev. - 3.7400	
Max. upshift speeds—drive range	76-82	
Max. kickdown speeds—drive range	68-74	
Torque converter	Number of elements	-
	Max. ratio at stall	-
	Type of cooling (air, water)	-
Lubricant	Capacity—refill (pt.)	18
	Type recommended	Cad. Fluid Type 'A' (Suffix A)
Special transmission features	Water Cooled Sump	

DRIVE UNITS—PROPELLER SHAFT

Number used	2	
Type (exposed, torque tube)	Exposed	
Outer diameter x length* x wall thickness	Manual transmission	N.A.
	Overdrive transmission	N.A.
	Automatic transmission	* 2.25 x 30.29 x .095 Rear 2.25 x 40.88 x .095 Rear 2.25 x 32.28 x .095 Frt. 2.25 x 41.44 x .095 Frt.

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

(Continued)

* Dia: of rear portion of rear shaft, 2.75
Wall thickness .065

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DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	Roller Bearing
	Lubrication (fitting, prepack)	Prepack
Universal joints	Make	Saginaw
	Number used	3 Assemblies
	Type (ball end trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Four Link Arm
Torque taken through (torque tube or arms, springs)		Four Link Arm

DRIVE UNITS—REAR AXLE

Description (see Instructions)		Hypoid		
Limited Slip differential, type				
Drive Pinion Offset		1 3/4		
No. of differential pinions		2		
Gear ratios (Std. equip.)	Manual transmission	N.A.		
	Overdrive transmission	N.A.		
	Automatic transmission	2.94	3.36	
Ring gear O.D. (std. ratio)		*		
Pinion adjustment (shim, other)		None		
Pinion bearing adj. (shim, other)		Collapsible Spacer		
Wheel bearing type		Ball		
Lubricant	Capacity (pt.)	5		
	Type recommended	Mil-L 2105 B (Contr. Diff. Sp. Lub.)		
	SAE viscosity number	Summer	90	
		Winter	90	
Extreme cold		90		

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.94	3.21	3.36	3.77
No. of teeth	Pinion	47	45	47	49
	Ring gear	16	14	14	13
* Ring O.D.		9.424	9.422	9.429	9.441

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MODEL _____

DRIVE UNITS—WHEELS

Type & material		Slotted Steel Disc
Rim (size and flange type)	Std.	15 x 6L
	Opt.	-
Attachment	Type (bolt or stud)	Stud
	Circle diameter	5"
	Number and size	5 1/2 - 20

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	8.00 x 15 - 4 ply	8.20 x 15 6 ply (75)
	Type - Nylon, etc.	Tyrex	
Rev./mile at 50 mph.		71.5 (71.3 8.20 x 15 4 & 6 Ply - Black or White)	
Inflation press. (cold)	Front	24	28 (75)
	Rear	24	28 (75)
Optional tires - size and ply		8.20 x .5 White Wall (Std. Eldorado)	4 Ply 60-62-63 6 Ply (67)

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		Hydraulic Duo-Servo-Self Adjusting
Self adjusting (std., opt., N.A.)		Std.
Hydraulic system type (single, dual, etc.)		Dual
Power brake make & type (remote, integral, etc.)		Moraine & Bendix - Direct Hydraulic Vacuum
Effective area (sq. in.)*		203.74 207.58 (75)
Gross lining area (sq. in.)**		244.80 259.60 (75)
Swept drum area (sq. in.)***		377.00
Percent brake effectiveness—front		59%
Drum	Diameter	12"
	Front	12"
	Rear	12"
Type and material		Composite Cast Iron Finned
Wheel cylinder bore	Front	1 13/16"
	Rear	1.00"
Master cylinder bore		1.00"
Available pedal travel		4"
Line pressure at 100 lb. pedal load		930 PSI
Shoe clearance adjustment		.010 - .030

(Continued)

* Excludes rivet holes, grooves, chamfers, etc.

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept areas for four brakes

Widest lining contact width for each brake x its drum circumference.

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MODEL _____

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted		Riveted		
	Front Shoe	Material		Molded Asbestos	
		Size (length x width x thickness)	Front wheel	11.5 x 2.5 x .25	12.98 x 2.5 x .25 (75)
			Rear wheel	11.5 x 2.5 x .25	12.98 x 2.5 x .25 (75)
		Segments per shoe		1	
	Rear Shoe	Material		Molded Asbestos	
		Size (length x width x thickness)	Front wheel	12.98 x 2.5 x .25	
			Rear wheel	12.98 x 2.5 x .25	
Segments per shoe		1			

BRAKES—PARKING

Type of control	Foot operate - vacuum released	
Location of control	Left side below panel	
Operates on	Rear Service brakes	
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

FRAME or UNITIZED CONSTRUCTION

Type and description

Tubular Center 'X'

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling	None	
Provision for brake dip control	In the Front Suspension Design	
Provision for acc. squat control	In the Front Suspension Design	
Special provisions for car jacking	Bumper Type Scissor Type Rocker S111 (75)	
Shock absorber front & rear	Type	Direct Action
	Make	Delco
	Piston dia.	1"
Other special features	Nylon Piston Ring Freon Envelope to Eliminate Aeration of Oil	

SUSPENSION—FRONT

Type and description

Independent Coil

* Air Suspension: Air spring type
Compressor date type make drive ratio

Normal operating pressures spring rates leveling data

(Continued)

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MODEL _____

SUSPENSION FRONT (cont.)

Spring	Type	Coil	
	Material	9260	
	Size (coil design height & I.D.; bar length x dia.)	9.99 x 4.00 x 168.97 x .675 (60-62-63) 10.44 x 4.00 x 163.50 x .730 (75)	
	Spring rate (lb. per in.)	305	425 (75)
	Rate at wheel (lb. per in.)	86	120 (75)
	Design load (lb. @ design height)	2400	2900 (75)
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	1085 Steel .813 .938 (75)	

STEERING

Mechanical (std., opt., NA)			N.A.	
Power (std., opt., NA)			Std.	
Wheel diameter			16"	
Turning diameter	Outside front	Wall to wall (l. & r.)	46 52 (75)	
		Curb to curb (l. & r.)	43 48	
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Outside wheel angle with inside wheel at 20°			18° 10'	
Mechanical	Gear	Type	N.A.	
		Make		
		Ratios	Gear Overall	
	No. wheel turns			
Power	Type (coaxial, linkage, etc.)		Inline Hydraulic Power	
	Make		Saginaw	
	Trade name		Cadillac Power Steering	
	Gear	Type	Ball Nut Sector	
		Ratios	Gear Overall	
			17.5:1 18.2:1	
	Pump driven by		Belt	
	Number wheel turns		3.7	
	Linkage	Type		Parallel Draglink
		Location (front or rear of wheels, other)		Rear
Drag link (trans. or longit.)		Trans.		
Tie rods (one or two)		2		

(Continued)

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MODEL _____

STEERING (cont)

Steering Axle	Inclination or comber (deg.)		$6^{\circ} @ 0^{\circ}$
	Bearings (type)	Upper	Spherical Joints
		Lower	Spherical Joints
	Thrust		Spherical Joints
Wheel alignment (range and preferred)	Caster (deg.)		$- 1/2^{\circ}$ to $- 1/2^{\circ}$
	Comber (deg.)		Left Side $+ 3/8^{\circ}$ to $- 1/8^{\circ}$ - Right Side $+ 1/8^{\circ}$ to $- 3/8^{\circ}$
	Toe-in (outside tread-inches)		$3/16"$ to $1/4"$
Steering spindle & joint type			Spherical
Wheel spindle	Diameter	Inner bearing	1.348 - 1.343
		Outer bearing	.8430 - .8435
	Thread size		$3/4 - 20$
	Bearing type		Tapered Roller

SUSPENSION—REAR

Type and description			4 Link	
Drive and torque taken through (see page 17)			4 Link Arms	
Spring	Type		Coil	
	Material		9260 Steel	
	Size (length x width, coil design height and I.D.; bar length & dia.)		$8.48 \times 5.20 \times 148.10 \times .635$ $9.17 \times 5.20 \times 149.75 \times .695$ (75)	
	Spring rate (lb. per in.)		175 250 (75)	
	Rate at wheel (lb. per in.)		110 157 (75)	
	Design load (lb. at design height)		1665 1960 (75)	
	Mounting insulation type		Rubber	
	If leaf	No. of leaves		N.A.
		Inserts	Type and size	
			Material	
Shackle (comp. or tone.)				
Stabilizer	Type (link, linkless, frameless)			
	Material			
Track bar type				

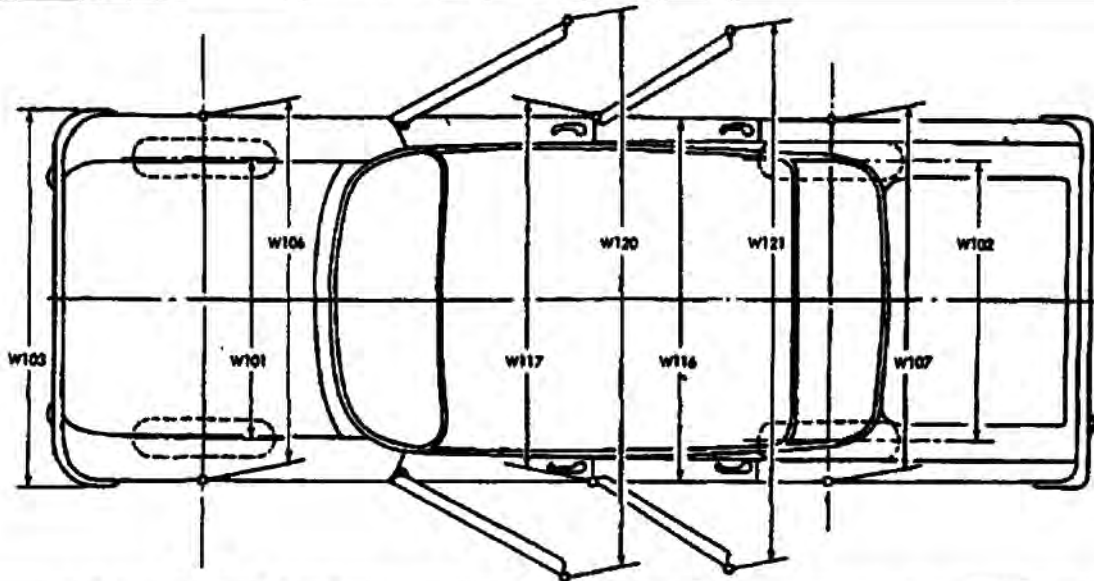
MAKE OF CAR Cadillac MODEL YEAR 1963 DATE ISSUED 10-5-62 REVISED (*)

CAR AND BODY DIMENSIONS—GENERAL

NOTE: Included in the dimension definitions listed on pages 34-36 are those which have been adopted by SAE. These are indicated by a number following the type of dimension, e.g., L3. Additional dimensions have been added by the AMA Specifications Review Committee. These are shown by an additional letter, e.g., H67a. The symbol "e" has been added as a suffix to denote a dimension adopted by the AMA and submitted to the SAE for approval. The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

EXTERIOR WIDTH DIMENSIONS

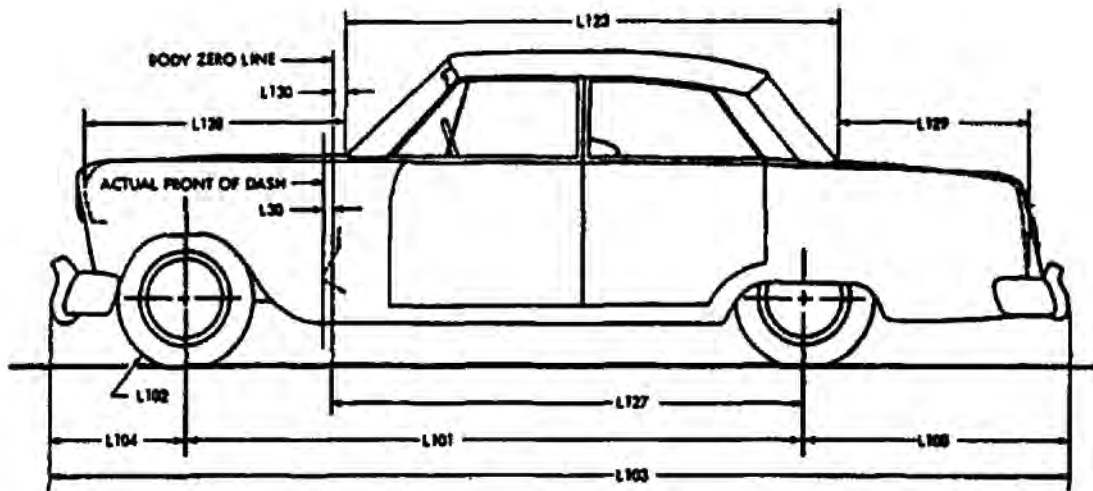


MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
Tread - front	W101						61					
Tread - rear	W102						61					
Maximum overall car width	W103				79.7							79.9
Maximum overall body width	W116				78.0							79.1
Maximum body width at #2 pillar	W117				78.0							78.9
Front fender overall width	W106				78.4							78.7
Rear fender overall width	W107				77.1							78.0
Maximum overall car width - front doors open	W120e											
Maximum overall car width - rear doors open	W121e											

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EXTERIOR LENGTH DIMENSIONS



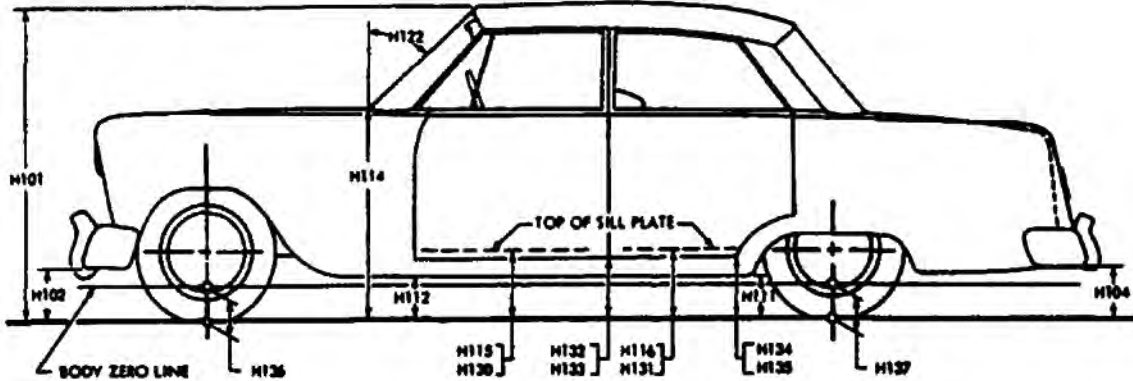
MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75	
Body zero line to actual front of dash	L30	.54											
Wheelbase	L101	129.5											
Overhang - front	L104	33.5											
Overhang - rear	L105	60					52.0		60				
Overall length	L103	223			215				223			243.3	
Hood length at car centerline	L129a	61.4											
Body upper structure length at car centerline	L123	112		108.4		108.1		103.3		108.8		131.0	
Deck length at car centerline	L129e	47.3		50.9		47.3		56.1		50.6			
Body zero line to centerline of rear wheels	L127	105.0											
Body zero line to windshield cowl point	L130a	3.4											
Tire size	L102	** 8.00 x 15									8.20 x 15 (75)		

** Eldorado 8.20 x 15 W/W Std. and Opt. W/Wall

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EXTERIOR HEIGHT DIMENSIONS

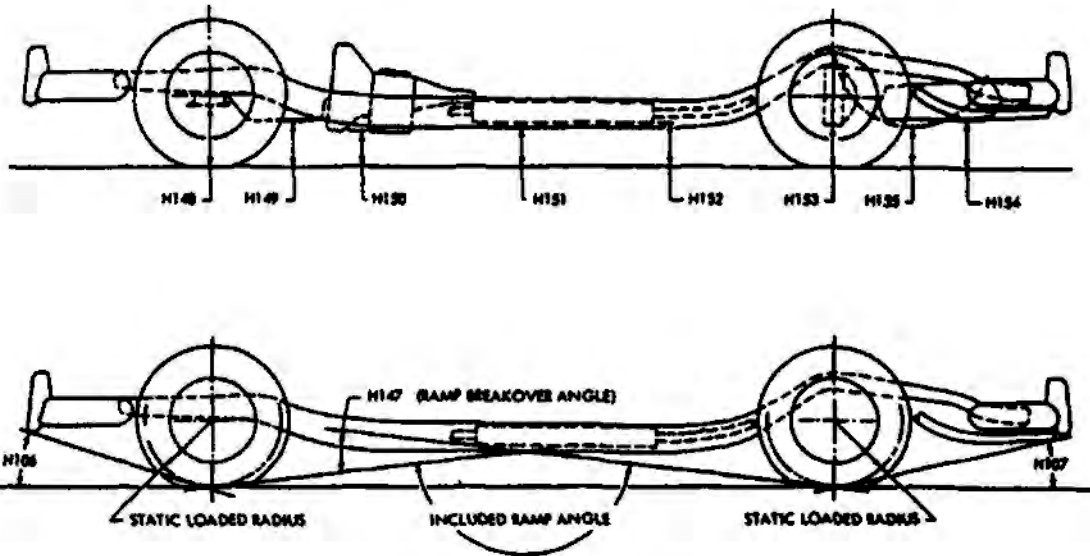


MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
Overall height	H101	56.6	56.4			54.8		55.1	56.6	53.8	59.0	
Hood at rear to ground	H114					38.1				38.3	39.1	
Rocker panel to ground - front	H112a					7.7				7.9	8.0	
Rocker panel to ground - rear	H111		7.3					7.4		7.6	8.4	
Step height - front (design load)	H115					13.3				13.5	13.9	
Step height - rear (design load)	H116					13.1					12.7	
Step height - front (curb load)	H130					13.7				13.9	14.5	
Step height - rear (curb load)	H131					13.7					12.8	
Bottom of door to ground, open - front	H132					12.9		13.0		13.2		
Bottom of door to ground, closed - front	H133					11.8		11.7		11.9	12.5	
Bottom of door to ground, open - rear	H134						12.9				11.1	
Bottom of door to ground, closed - rear	H135		11.5								10.9	
Front bumper to ground	H102					10.5				10.7	11.5	
Rear bumper to ground	H104					11.1				11.3	12.2	
Windshield slope angle	H122		55.5°			56.0°		57.3°		57.5°	47.4°	
Body zero to ground - front	H136a											
Body zero to ground - rear	H137a											

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GROUND CLEARANCE DIMENSIONS

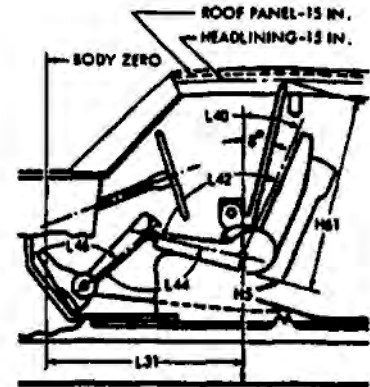
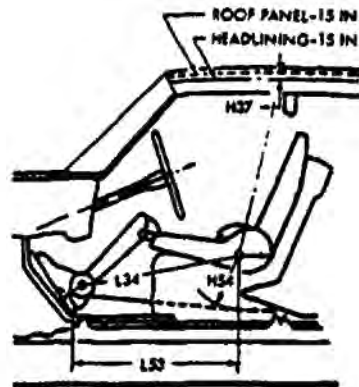
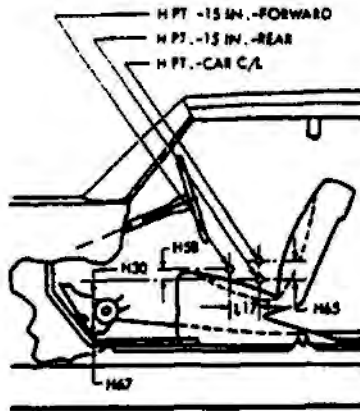


MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
Angle of approach	H106	21° 18'						21° 54'		22° 50'		
Angle of departure	H107	11° 38'			13° 51'		11° 38'		11° 49'		12° 46'	
Ramp breakover angle	H147	11° 13'						10° 46'		11° 03'		
Front suspension to ground	H148	8.01						8.21		9.28		
Oil pan to ground	H149	6.68						6.88		7.95		
Flywheel housing to ground	H150	6.04						6.24		7.39		
Frame structure to ground	H151	6.30						6.19		6.39		6.18
Exhaust system to ground	H152	5.28						5.48		6.37		
Rear axle differential to ground	H153	7.75						7.95				
Fuel tank to ground	H154	8.60						8.80		9.87		
Spare tire well to ground	H155	NONE										
Minimum running ground clearance	H156	5.28						5.20		5.40	6.18	

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FRONT COMPARTMENT DIMENSIONS

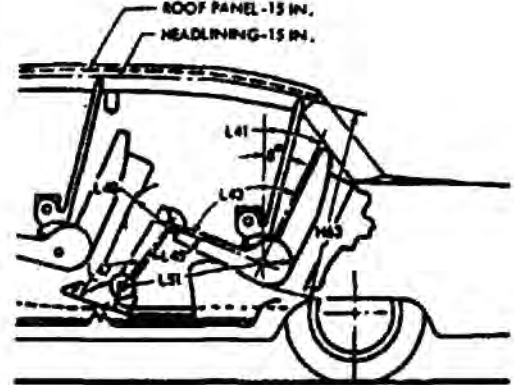
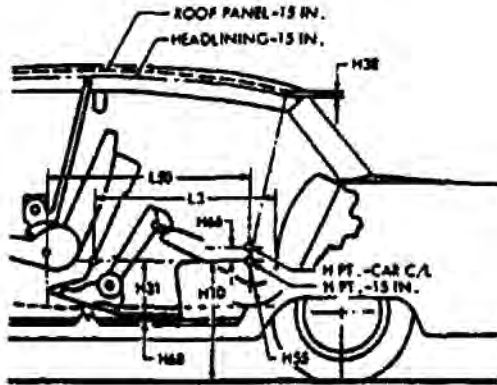


MODEL	Ref. No.	50	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
H Point to body zero line	L31a					41.6						41.1
H Point to ground	H5a					19.9					19.6	19.4
Effective head room	H61a	40	39.9		38.4			38.6		39.3	39.8	39.9
Headlining to roof height	H37											
Maximum effective leg room - accelerator	L34a					40.5						39.5
H Point to heel point	H30a	8.6				8.5			8.6		8.1	7.2
Depressed floor covering thickness	H67a											
Back angle	L40a	23.5°	25°			25.5°		24°		23.5°	24°	21.5°
Hip angle	L42a	93°	94.5°			95°		93°		92.5°	91.5°	86°
Knee angle	L44a	123°	123.5°				123°				122.5°	116°
Foot angle	L46a		83°				83.5°				84°	71.5°
H Point differential, side to center	H65a											
H Point to tunnel	H54a											
H Point to accelerator floor point	L53a					32.9						32.8
H Point travel	L17a					4.7					4.8	?
H Point rise	H58a					.7					.8	.4

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REAR COMPARTMENT DIMENSIONS

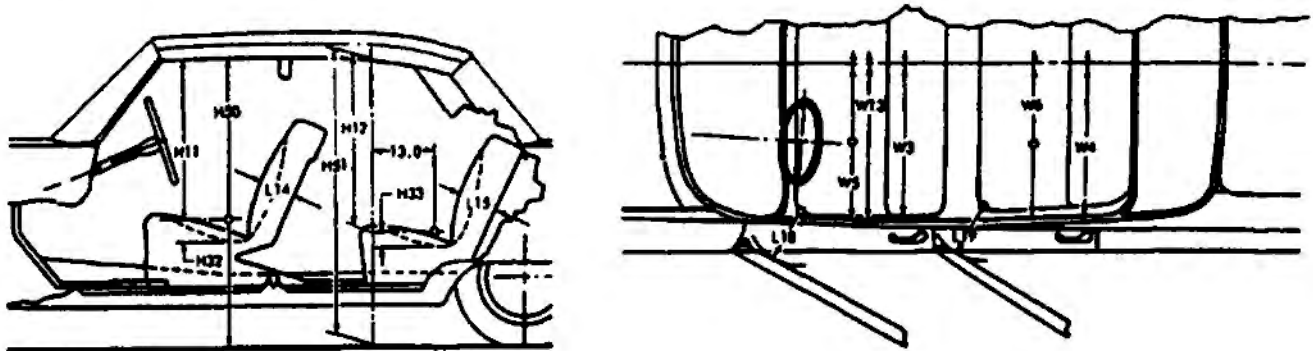


MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
H Point couple distance	L50a	37.9	38.5			36.7		35.6		36.5		63.3
H Point to ground	H10a	19.4 (60) 19.5 (6 Wnd. Sedans)				18.5		18.3		18.5		20.8
Effective head room	H63a	39.4	38.7			38.1		38.7		38.0		38.8
Headlining to roof height	H38											
Minimum effective leg room	L51a	40.8	41.2			39.5		38.0	38.7	38.1		34.7
H Point to heel point	H31a	10.7	10.8			9.8		9.6				10.3
Depressed floor covering thickness	H68a											
Minimum knee room	L48a	6.8	7.4			6.0		4.2	5.0	4.9		5.9
Rear compartment room	L3	30.8	31.6			29.3		27.5		28.9		28.4
Back angle	L41a	24°	25°			21°		19°				25°
Hip angle	L43a	98°	99°			90°		83°	85°	84°		83°
Knee angle	L45a	125°	127°			116°		107°	111°	108°		90°
Foot angle	L47a					132°					131°	94°
H Point differential, side to center	H66a											
H Point to tunnel	H55a											

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SEAT AND ENTRANCE DIMENSIONS

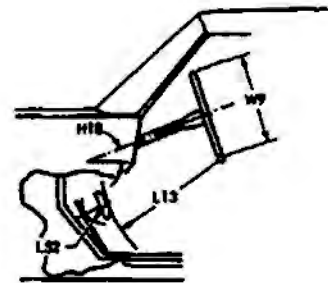
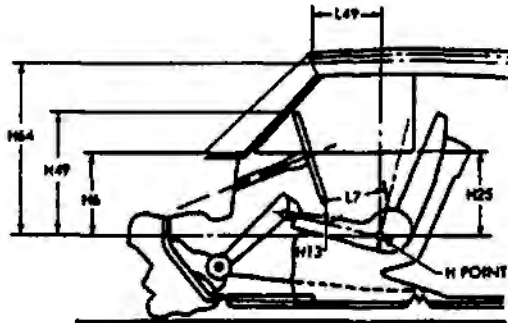


MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
Shoulder room - front	W3a	58.7	58.2				58.3				60.4	
Hip room - front	W3a	63.3				63.4				63.3	65.4	
Seat width - front	W16a	55.8	55.6	55.7	55.6	55.7	56.4	56.0			58.5	
Upper body opening to ground - front	H50a	51.0			49.8			50.4	48.8	49.0	54.8	
Entrance height - front	H11a	31.1			29.9			30.4	28.9	29.4	33.4	
Entrance foot clearance - front	L18	14.4				N.A.						
Seat cushion deflection - front	H32a	5.0	5.1	4.7	5.1	4.8	5.1	4.7	4.6	4.5		
Seat back thickness - front	L14											
Shoulder room - rear	W4a	57.5	57.7				56.8			50.5		58.8
Hip room - rear	W6a	62.9	62.8	63.4			54.4			51.2		59.7
Upper body opening to ground - rear	H51a	50.7			48.9							54.7
Entrance height - rear	H12a	31.3	31.2		30.4							33.9
Entrance foot clearance - rear	L19	13.5	14.1		13.2			11.1		10.8	10.9	
Seat cushion deflection - rear	H33a	3.9	4.1		4.0			4.7		4.2		
Seat back thickness - rear	L15											

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VISION AND CONTROL DIMENSIONS



MODEL	Ref. No.	60	6229	6329	6239	6339	6389	6257	6357	6267	6367	75
H Point to windshield bottom DLO	H6a											
H Point to windshield upper DLO	H64a											
H Point to windshield upper DLO	L49a											
Belt height - front	H25a											
Steering wheel center to centerline of car	W7						15.76					
Steering wheel maximum outside diameter	W9						16.00					
Steering column angle - horizontal	H18											
H Point to top of steering wheel	H49a											
Steering wheel torso clearance	L7a	12.6			12.7			12.6	12.5	12.7	11.9	
Steering wheel thigh clearance	H13a			4.1		4.2		4.1		4.3	2.9	
Brake pedal knee clearance	L13					25.5						24.4
Brake pedal to accelerator	L52a											
Tumble-home	W122a											

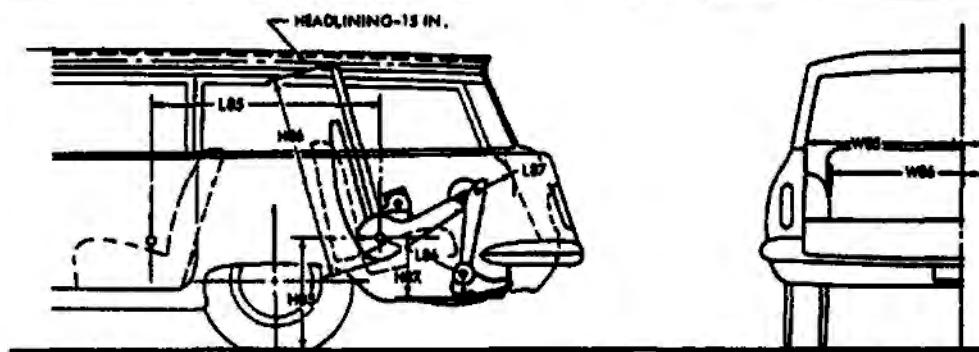
AMA Specifications – Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1963 DATE ISSUED 10-5-62 REVISED(*)

LUGGAGE COMPARTMENT

MODEL	Ref. No.	
Usable luggage capacity (See instructions)		
Lid/cover height*	H301a	
Position of spare tire storage		
Method of holding lid open		

THIRD SEAT DIMENSIONS



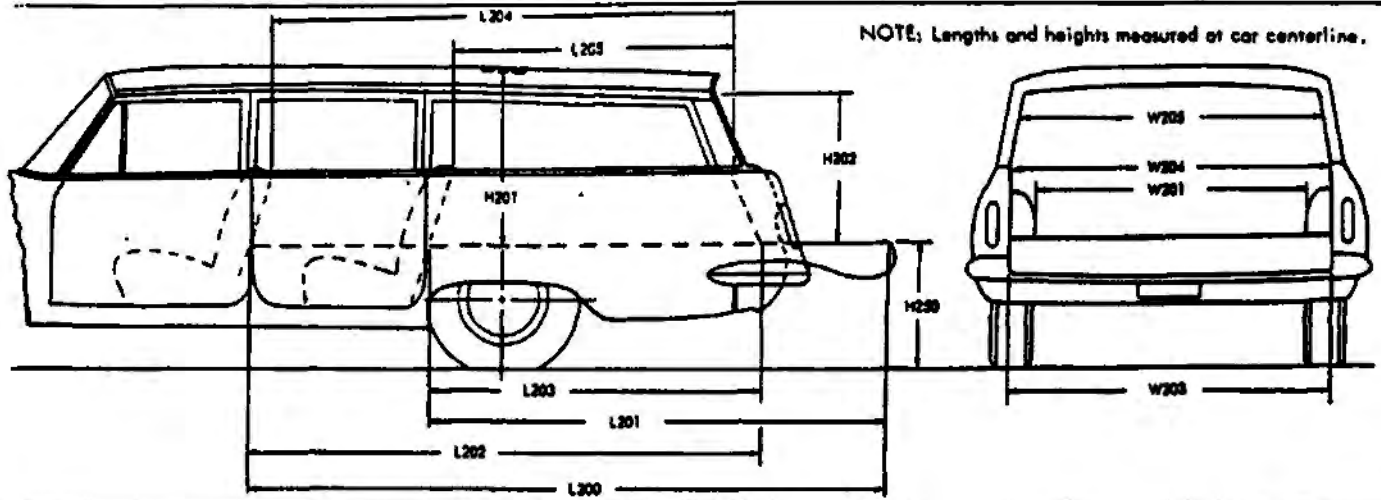
MODEL	Ref. No.	
Seat facing direction		N.A.
Shoulder room	W85a	
Hip room	W86a	
H Point couple distance	L85a	
H Point to ground	H85a	
Effective head room	H86a	
Effective leg room	L86a	
H Point to heel point	H87a	
Knee room	L87a	
Back angle	L88a	
Hip angle	L89a	
Knee angle	L90a	
Foot angle	L91a	

* Vertical dimension from luggage compartment lower opening to ground.

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1963 DATE ISSUED 10-5-62 REVISED (a)

STATION WAGON—CARGO SPACE DIMENSIONS



MODEL	Ref. No.	
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	N.A.
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	
Floor length from back of second seat at floor level to inside of closed tail gate	L203	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	
Maximum width of cargo space at floor - specify location	W200a	
Minimum distance between wheel houses at floor level	W201	
Rear end opening width at floor	W203	
Rear end opening width at belt	W204	
Maximum width of rear opening above belt	W205	
Maximum height - floor covering to headlining at centerline of rear axle	H201	
Maximum height of rear opening - tail and lift gates open	H202	
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		
Cargo volume index (cu. ft.) $W4 \times L204 \times H201$		

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AMA Specifications – Passenger Car

MAKE OF CAR	Cadillac	MODEL YEAR	1963	DATE ISSUED	10-5-62	REVISED (e)				
MODEL	60	6229	6329	6239	6339	6389	6257	6357	6267	6367

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors		Front
	Rear doors		Center
Type of finish (lacquer, enamel, other)			Acrylic
Hood hinge location (front, rear)			Front
Hood counterbalanced (yes, no)			Yes
Hood release control (internal, external)			External
Vehicle (Serial) No. Location		L.H. Side - Front of No. 1 Cross Member	
Engine No. Location		L.H. Side Eng. Block-Center-Above Oil Pan Ra	
Theft protection - type		Ign. Key Start Door Locks	
Vent window control method (crank, friction pivot)	Front	Std. 60-6367 Series - Power - All Others Crank	
	Rear	Std. 60 Series - Power - Power Optional Others	
Seat cushion type	Front		
	Rear		
Seat back type	Front		
	Rear		
Windshield type (single curved, compound curved, other)		Compound	
Rear window type (flat, curved, one piece, three piece) *	S.C.	C.C.	S.C. C
Side glass type (curved, flat)		Flat	
Side glass exposed surface area **			
Windshield glass exposed surface area	1587.5	1461.2	1405.7 1461.2 171
Backlight glass exposed surface area			
Total glass exposed surface area			

* S.C. = Single Curve
 C.C. = Comp. Curve

Side	Rear ***
** 608 - 1303.5	840.2
6229-6329 - 1748.0	1163.7
6239-6339-6389 - 1329.8	1230.3
6267-6367 - 1186.4	1103.0
67 - 2281.0	461.7
6257-6357 - 1366.2	752.2

AMA Specifications – Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1963 DATE ISSUED 10-5-62 REVISED (*)

MAJOR OPTIONAL ITEMS - WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	Pass. in Front		Pass. in Rear		
				Front	Rear	Front	Rear	
6229 4 Dr. 6 Win. Sedan			4804	49%	51%	20%	80%	4610
6239 4 Dr. 4 Win. Sedan			4789					4595
6257 Coupe			4699					4505
6267 Convertible			4739					4545
6329 DeVille 6 Win.			4844					4650
6339 DeVille 4 Win.			4799					4605
6357 DeVille Coupe			4714					4520
6367 Eldorado			4834					4640
6389 Park Ave.			4754					4590
6039 60 Special			4884					4690
7523 Fleetwood Sedan			5440					5240
7533 Fleetwood Lim.			5500					5300
Accessories & Equipment Differential Weights								
								Remarks
Power Window Regulators	8.8	8.2	17.0					
Power Vent Regulators	4.9	3.1	8.0					
Power Door Locks	8.4	4.6	13.0					
Power Seat 6 Way	11.7	8.3	20.0					
Power Trunk Lock	-	8.4	8.4					
Guide-Matic	1.2	.3	1.5					
Radio & Speakers AM	6.8	3.7	10.5					
Radio & Speakers AM-FM	7.3	3.7	11.0					
Radio Controls Rear	.8	1.7	2.5					Series 75
Cruise Control	11.5	1.0	12.5					
Air Conditioner	27.4	2.6	130.0					Series 60-62-63
Air Conditioner	43.9	43.1	187.0					Series 75
White Side Wall Tires	2.4	3.6	6.0					8.20 - 4 Ply (5 Tires)
White Side Wall Tires	1.2	1.8	3.0					8.20 - 6 Ply (5 Tires)
Radio Antenna	3.5	.5	4.0					
Controlled Differential	-	3.5	3.5					
Tilt Wheel (6 Position)	2.0	.5	2.5					
Seat Belts	2.0	3.0	5.0					Series 60-62-63
Seat Belts	2.5	4.5	7.0					Series 75

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

DIMENSION DEFINITIONS

- W3a** SHOULDER ROOM - FRONT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W4a** SHOULDER ROOM - REAR. Measured in the same manner as W3a.
- W5a** HIP ROOM - FRONT. The lateral dimension through H Point to trimmed surfaces.
- W6a** HIP ROOM - REAR. Measured in the same manner as W5a.
- W7** STEERING WHEEL CENTER TO CENTERLINE OF CAR. Measured horizontally from steering wheel center to centerline of car. The point at steering wheel center is located in the surface plane of wheel.
- W9** STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
- W16a** SEAT WIDTH - FRONT. The maximum trimmed width of front seat cushion.
- W85a** SHOULDER ROOM - THIRD SEAT. Measured in the same manner as W3a.
- W86a** HIP ROOM - THIRD SEAT. Measured in the same manner as W5a.
- W101** TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102** TREAD - REAR. Measured at centerline of tires at ground.
- W103** MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions.
- W106** FRONT FENDER OVERALL WIDTH. Measured at centerline of front wheels, excluding moldings.
- W107** REAR FENDER OVERALL WIDTH. Measured at centerline of rear wheels, excluding moldings.
- W116** MAXIMUM OVERALL BODY WIDTH. Measured across body, excluding hardware and applied moldings, but including fenders when integral with body.
- W117** MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.
- W120a** MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN. Measured with front doors in maximum hold-open position.
- W121a** MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Measured in same manner as W120a.
- W122a** TUMBLE-HOME. The angle from vertical to the front door glass outer surface or the chord of a curved door glass, measured at the front H Point station.
- L3** REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at a height tangent to the top of rear seat cushion.
- L7a** STEERING WHEEL TORSO CLEARANCE. The minimum distance from the back edge of steering wheel, in straight-ahead position, to the Torso Line.
- L13** BRAKE PEDAL KNEE CLEARANCE. The minimum dimension from the lower edge of the steering wheel to the brake pedal face centerline.
- L14** SEAT BACK THICKNESS - FRONT. The maximum thickness of the seat back, excluding bolsters.
- L15** SEAT BACK THICKNESS - REAR. Measured in the same manner as L14.
- L17a** H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- L18** ENTRANCE FOOT CLEARANCE - FRONT. The minimum horizontal dimension between seat and normal line of door or pillar at a height between the sill plate bead and 4.0 inches above the bead. Door should be in the maximum hold-open position.
- L19** ENTRANCE FOOT CLEARANCE - REAR. Measured in the same manner as L18 on four-door models. On two-door styles, the minimum dimension between rear corner of front seat, with front seat back tilted forward, and trimmed lock pillar, built-in quarter armrest panel, or rear seat cushion at a height between the sill plate bead and 4.0 inches above the bead.
- L30** BODY 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.
- L31a** H POINT TO BODY ZERO LINE - FRONT. Horizontal dimension.
- L34a** MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the right foot on accelerator pedal.
- L40a** BACK ANGLE - FRONT. The angle between a vertical line through the H Point and the Torso Line.
- L41a** BACK ANGLE - REAR. Measured in the same manner as L40a.
- L42a** HIP ANGLE - FRONT. The angle between Torso Line and a line extending from knee pivot center to H Point.
- L43a** HIP ANGLE - REAR. Measured in the same manner as L42a.
- L44a** KNEE ANGLE - FRONT. The angle between a line from H Point to knee pivot center and a line from the knee pivot center to the ankle pivot center.
- L45a** KNEE ANGLE - REAR. Measured in the same manner as L44a.
- L46a** FOOT ANGLE - FRONT. The angle between a line extended from the knee pivot center through the ankle pivot center and a line tangent to the sole and heel of manikin bare foot.
- L47a** FOOT ANGLE - REAR. Measured in the same manner as L46a.
- L48a** MINIMUM KNEE ROOM - REAR. The minimum dimension from the knee pivot center to the back of front seat back.
- L49a** H POINT TO WINDSHIELD UPPER DLO. The horizontal dimension from H Point to the point of tangency of horizontal line of vision (described in dimension H64a) with body upper structure.

DIMENSION DEFINITIONS (cont.)

- L50a H POINT COUPLE DISTANCE.** The horizontal dimension from the front seat H Point to the rear seat H Point.
- L51a MINIMUM EFFECTIVE LEG ROOM - REAR.** Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the foot positioned to nearest interference between seat structure and toe, instep or lower leg.
- L52a BRAKE PEDAL TO ACCELERATOR.** The minimum dimension from center of brake pedal face to accelerator. Measured in the side view.
- L53a H POINT TO ACCELERATOR FLOOR POINT.** The horizontal dimension from intersection of accelerator and depressed floor covering to the H Point.
- L85a H POINT COUPLE DISTANCE - THIRD SEAT.** The horizontal dimension from the second seat H Point to the third seat H Point.
- L86a EFFECTIVE LEG ROOM - THIRD SEAT.** Measured in the same manner as L51a. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- L87a KNEE ROOM - THIRD SEAT.** Measured in the same manner as L86a. With rear-facing third seat, dimension is measured to rear closure.
- L88a BACK ANGLE - THIRD SEAT.** Measured in the same manner as L40a.
- L89a HIP ANGLE - THIRD SEAT.** Measured in the same manner as L42a.
- L90a KNEE ANGLE - THIRD SEAT.** Measured in the same manner as L44a.
- L91a FOOT ANGLE - THIRD SEAT.** Measured in the same manner as L46a.
- L101 WHEELBASE.**
- L102 TIRE SIZE.**
- 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 theoretical intersection of extended windshield glass plane and normal cowl surface to the theoretical intersection of extended back window glass plane and normal deck surface; or in the case of a Fastback roof or Station Wagon, to back glass lower reveal molding, or rubber when molding is not used.
- L127 BODY ZERO LINE TO CENTERLINE OF REAR WHEELS.** A horizontal dimension.
- L128a HOOD LENGTH AT CAR CENTERLINE.** The horizontal dimension from the foremost point on sheet metal hood surface, excluding series identification or ornamentation, to the theoretical intersection of extended windshield glass plane and normal cowl surface.
- L129a DECK LENGTH AT CAR CENTERLINE.** The horizontal dimension from the rearmost point of the body sheet metal (visible above bumper), excluding series identification or ornamentation, to the theoretical intersection of extended back window glass plane and normal deck surface.
- L130a BODY ZERO LINE TO WINDSHIELD COWL POINT.** The horizontal dimension from body zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.
- H5a H POINT TO GROUND - FRONT.** Vertical dimension.
- H6a H POINT TO WINDSHIELD BOTTOM DLO.** Vertical dimension.
- H10a H POINT TO GROUND - REAR.** Vertical dimension.
- H11a ENTRANCE HEIGHT - FRONT.** The vertical dimension from H Point to upper trimmed body opening.
- H12a ENTRANCE HEIGHT - REAR.** The vertical dimension from H Point to the upper trimmed body opening at a section 13.0 inches forward of the H Point.
- H13a STEERING WHEEL THIGH CLEARANCE.** The minimum dimension from the bottom of steering wheel, in straight-ahead position, to centerline of thigh.
- H18 STEERING COLUMN ANGLE - HORIZONTAL.** The angle the centerline of steering column makes with the horizontal.
- H25a BELT HEIGHT - FRONT.** The vertical dimension from H Point to bottom of side window DLO.
- H30a H POINT TO HEEL POINT - FRONT.** The vertical dimension from the H Point to the manikin accelerator heel point on the depressed floor covering.
- H31a H POINT TO HEEL POINT - REAR.** The vertical dimension from the H Point to the manikin heel point on the depressed floor covering.
- H32a SEAT CUSHION DEFLECTION - FRONT.** The vertical dimension from a point on the undepressed seat cushion to the depressed seat cushion. Measured at the H Point station.
- H33a SEAT CUSHION DEFLECTION - REAR.** Measured in the same manner as H32a.
- H37 HEADLINING TO ROOF HEIGHT - FRONT.** The dimension from the intersection of the headlining and the extended effective head room line to the roof panel. Measured perpendicularly to the roof panel.
- H38 HEADLINING TO ROOF HEIGHT - REAR.** Measured in the same manner as H37.
- H49a H POINT TO TOP OF STEERING WHEEL.** The vertical dimension from the H Point to top of steering wheel, in straight-ahead position.
- H50a 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.

DIMENSION DEFINITIONS (cont.)

- H51a 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.
- H54a H POINT TO TUNNEL - FRONT. The minimum dimension from the H Point, at car centerline, to top of tunnel.
- H55a H POINT TO TUNNEL - REAR. Measured in the same manner as H54a.
- H58a H POINT RISE. The vertical dimension between the H Point in the most forward and rearward seat positions.
- H61a 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.
- H63a EFFECTIVE HEAD ROOM - REAR. Measured in the same manner as H61a.
- H64a H POINT TO WINDSHIELD UPPER DLO. Vertical dimension from H Point to highest horizontal line of vision through windshield at 13 inch section.
- H65a H POINT DIFFERENTIAL, SIDE TO CENTER - FRONT. The vertical dimension from side occupant H Point to center occupant H Point.
- H66a H POINT DIFFERENTIAL, SIDE TO CENTER - REAR. Measured in the same manner as H65a.
- H67a DEPRESSED FLOOR COVERING THICKNESS - FRONT. The vertical dimension from manikin accelerator heel point normally to underbody sheet metal immediately below heel point.
- H68a DEPRESSED FLOOR COVERING THICKNESS - REAR. Measured same as H67a.
- H85a H POINT TO GROUND - THIRD SEAT. Vertical dimension.
- H86a EFFECTIVE HEAD ROOM - THIRD SEAT. Measured in the same manner as H61a.
- H87a H POINT TO HEEL POINT - THIRD SEAT. Measured in the same manner as H31a.
- H101 OVERALL HEIGHT. Measured with full design load.
- H102 FRONT BUMPER TO GROUND. Minimum dimension.
- H104 REAR BUMPER TO GROUND. Minimum dimension.
- H106 ANGLE OF APPROACH. Minimum angle between ground and a line tangent to arc of front tire static loaded radius and touching the limiting point of interference on front bumper, bumper guard, or gravel deflector.
- H107 ANGLE OF DEPARTURE. Minimum angle between ground and a line tangent to arc of rear tire static loaded radius and touching the limiting point of interference on rear bumper, bumper guard, gravel deflector, tail pipe, fender or other interfering structure.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at front of rear wheel opening.
- H112a ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at foremost point of rocker panel.
- H114 HOOD AT REAR TO GROUND. Measured from hood opening line on shroud, exclusive of moldings.
- H115 STEP HEIGHT - FRONT (DESIGN LOAD). The vertical dimension from top of sill plate bead, at C/L of front door sill plate, to ground.
- H116 STEP HEIGHT - REAR (DESIGN LOAD). Measured in same manner as dimension H115.
- 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.
- H130 STEP HEIGHT - FRONT (CURB LOAD). The vertical dimension from top of sill plate, at C/L of front door sill plate, to ground.
- H131 STEP HEIGHT - REAR (CURB LOAD). Measured in same manner as H130.
- H132 BOTTOM OF DOOR TO GROUND, OPEN - FRONT. Measured from bottom outside corner of door with door in maximum hold-open position.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT. Same point on door as H132 dimension, with door closed.
- H134 BOTTOM OF DOOR TO GROUND, OPEN - REAR. Measured in same manner as H132.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR. Measured in same manner as H133.
- H136a BODY ZERO TO GROUND - FRONT. A vertical dimension measured at front wheel centerline.
- H137a BODY ZERO TO GROUND - REAR. A vertical dimension measured at rear wheel centerline.
- H147 RAMP BREAKOVER ANGLE. 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.
- H148 FRONT SUSPENSION TO GROUND. Minimum clearance measured from lower control arm inner shaft or lowest point on the car centerline.
- H149 OIL PAN TO GROUND. Minimum clearance measured from sheet metal or drain plug.
- H150 FLYWHEEL/CONVERTER HOUSING AND TRANSMISSION ASSEMBLY TO GROUND. Minimum clearance.
- H151 FRAME STRUCTURE TO GROUND. Minimum clearance measured approximately midway between front and rear axles. In this measurement, cross bars and X-members shall be considered part of frame.
- H152 EXHAUST SYSTEM TO GROUND. Minimum clearance. Specify location.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Minimum clearance.
- H154 FUEL TANK TO GROUND. Minimum clearance measured from sheet metal or drain plug, but excluding supports or straps.
- H155 SPARE TIRE WELL TO GROUND. Minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

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