AMA-40A

AMA Specifications—Passenger Car

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MANUFACTURER	CAR NAME	
Cadillac Motor Car Division	Cadillac	
MAILING ADDRESS	MODEL YEAR	ISSUED: 10-15-68
2860 Clark Street	1969	REVISED (e)

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

TABLE OF CONTENTS

BODY – TYPES AND STYLE NAMES –

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

DESCRIPTION	NO. PASS.	STYLE NO.	VEHICLE ID NO.
Fleetwood Sixty-Special Sedan	6	68069	M9100000
Fleetwood Brougham Sedan	6	68169	P9100000
Calais Hardtop Sedan	6	68249	N9100000
Calais Coupe	6	68247	G9100000
DeVille Coupe	6	68347	J9100000
DeVille Convertible	6	68367	F9100000
DeVille Hardtop Sedan	6	68349	B9100000
DeVille Sedan	6	68369	L9100000
Fleetwood Sedan	9	69723	R9100000
Fleetwood Limousine	9	69733	S9100000

AMA Specifications—Passenger Car

Page 1

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED)

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for: 4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	ALL
WIDTH		
Track – Front	W101	63.0
Track – Rear	W102	63.0
Maximum overall car width	W103	79.9
Body width at No. 2 pillar	W117	
LENGTH		
Body "O" to front of dash	L 30	
Wheelbase	L101	129.5 (680-681) 133.0 (75) 149.8
Overall car length	L103	225.0 (680-681) 228.5 (75) 245.3
Overhang – front	L104	37.5
Overhang – rear	L105	58.0
Body upper structure length	L123	105.5 (68369) (106.2) 49-47) 107.3 - 68367*
Body "O" line to ℄ of rear wheel	L127	105.0
Body "O" line to w/s cowl point	L130	7.0
HEIGHT		
Passenger Distribution (front & rear)		3 Pass. F - 3 Pass. R
Trunk/Cargo load (lbs.)		
Overall height	H101	* 54.4
Cowl height	H114	38.3
Deck height	H138	
Rocker panel – front: To ground	H112	
Rocker panel – front: From front wheel ℄	H112	
Rocker panel – rear: To ground	H111	
Rocker panel – rear: From rear wheel ℄	H111	
Windshield slope angle	H122	55 Degrees

GROUND CLEARANCE		Std. Car	680 & 681	75 Limousine
Bumper to ground – front	H102	10.4	10.5	11.1
Bumper to ground – rear	H104	11.8	10.7	12.9
Angle of approach	H106	18.4 Degrees	18.4	19.6 Degrees
Angle of departure	H107	13.5 Degrees	12.0	15.1 Degrees
Ramp breakover angle	H147	11.4	10.9	11.6
Min. running clearance (Specify)	H156	5.8	5.4	6.4

** 56.6 60 Spec & Brougham
55.5 68369
54.4 68367
58.1 Limousine

126.8 75 Limousine *
106.8 60 Spec.

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	68069 68169	68249	68349	68247	68347	68367	68369	7523	7533
FRONT COMPARTMENT										
Effective head room	H61	38.0	38.2				39.0	39.3	40.4	
Max. eff. leg room – accelerator	L34	42.2	41.2						41.0	40.3
H Point to Heel point	H30									
H Point travel	L17									
Shoulder room	W 3	59.9	61.0	60.6	58.4	60.8	60.6		59.9	
Hip room	W 5	62.8							62.9	
Upper body opening to ground	H50									
REAR COMPARTMENT										
H Point couple distance	L50									
Effective head room	H63	42.2	37.2		37.3		38.1	38.4	38.3	
Min. effective leg room	L51	44.3	40.1		38.7		38.7	41.8		
H Point to Heel point	H31									
Min. knee room	L48									
Rear Compartment room	L 3									
Shoulder room	W 4	59.6	59.7		59.3			59.6	58.4	
Hip room	W 6	61.2	62.7		55.6			62.3	57.8	
Upper body opening to ground	H51									
LUGGAGE COMPARTMENT										
Usable luggage capacity	V 1									
Liftover height	H195									
Position of spare tire storage										
Method of holding lid open										
STATION WAGON – THIRD SEAT										
Shoulder Room	W85	N.A.								
Hip room	W86	N.A.								
Effective leg room	L86	N.A.								
Effective head room	H86	N.A.								
Seat facing direction		N.A.								
STATION WAGON – CARGO SPACE										
Cargo length at floor – front seat	L202	N.A.								
Cargo length at belt – front seat	L204	N.A.								
Cargo width – Wheelhouse	W201	N.A.								
Opening width at belt	W204	N.A.								
Maximum cargo height	H201	N.A.								
Rear opening height	H202	N.A.								
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	N.A.								

AMA Specifications—Passenger Car

Page 3

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		
All Exc. Eldorado	472	4BBL	10.5:1	375 @ 4400	525 @ 3000	Hydramatic	2.94 682-683 680-681 3.21 697 A/C & Non A/C

AMA Specifications—Passenger Car

Page 4

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (•)

MODEL Std. Car

ENGINE – GENERAL

Type, no. cyls., valve arr.		90° - V8 - O.V.
Bore and stroke (nominal)		4.30 X 4.06
Piston displacement, cu. in.		472
Bore spacing (℄ to ℄)		5.00
No. system (front to rear)	L. Bank	2 - 4 - 6 - 8
	R. Bank	1 - 3 - 5 - 7
Firing order		1 - 5 - 6 - 3 - 4 - 2 - 7 - 8
Compres. ratio (nominal)		10.5:1
Cylinder Head Material		Cast Iron
Cylinder Block Material		Cast Iron
Cyl. Sleeve-Wet,dry,none		None
Number of mtg. points	Front	2
	Rear	1
Engine installation angle		6° 24' 6° 1' 20" (Limo)
Taxable horsepower $\frac{Dia^2 \times No.\ Cyl.}{2.5}$		59.2
Publishing max. bhp* @ eng. RPM		375 @ 4400
Publishing max. torque * (lb. ft. @ RPM)		525 @ 3000
Recommended fuel regular – premium		Premium

ENGINE – PISTONS

Material			Aluminum
Description and finish			Slipper Type Cam Ground Control Expansion
Weight (piston only) oz.			27.28
Clearance (limits)	Top land		.031 - .039
	Skirt	Top	.0006 - .0010
		Bottom	.0014 - + .0005
Ring groove depth	No. 1 ring		.210
	No. 2 ring		.210
	No. 3 ring		.195
	No. 4 ring		None

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

AMA Specifications—Passenger Car

Page 5

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (•)

MODEL Std. Car

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, coating, etc.	#1 Molybdenum Filled Cast Iron #2 Phosphate Coated Cast Iron
	Width	.0770 - .0785
	Gap	.013 - .025
Oil	Description - material, coating, etc.	Multi-Piece Steel Chrome Plated Rail
	Width	.1795 - .1880
	Gap	.015 - .055
Expanders		Yes

ENGINE – PISTON PINS

Material			SAE 1019 Steel
Length			3.030
Diameter			.9994 - .9997
Type	Locked in rod, in piston, floating, etc.		Locked in Rod
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston		.00005 - .00015
	In rod		Press Fit
Direction & amount offset in piston			.060 Toward Max. Thrust Side

ENGINE – CONNECTING RODS

Material		GM 84M Arma Steel
Weight (oz.)		28.86 oz.
Length (center to center)		6.75
Bearing	Material & Type	M-400 Alum. - Steel Backed
	Overall length	.826
	Clearance (limits)	.0005 - .0028
	End play	.008 - .016 (Total Two Rods)

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL Std. Car

ENGINE – CRANKSHAFT

Material			Nodular Cast Iron
Vibration damper type			Rubber Absorption
End thrust taken by bearing (No.)			#3 Center Main
Crankshaft end play			.002 - .012
Main bearing	Material & type		M-400 Aluminum Steel Backed
	Clearance		.0001 - .0026
	Journal dia. and bearing overall length	No. 1	3.250 - 1.1925
		No. 2	3.250 - 1.0595
		No. 3	3.250 - 1.0670 (Inside) 1.258 (Outside)
		No. 4	3.250 - 1.0595
		No. 5	3.250 - 1.1925
		No. 6	None
		No. 7	None
	Dir. & amt. cyl. offset		R.H. Forward .47 L.H. Rearward .47
Crankpin journal diameter			2500

ENGINE – CAMSHAFT

Location			Center of V
Material			G.M. 120M Cast Iron
Bearings	Material		Steel Backed Babbitt
	Number		5
Type of Drive	Gear or chain		Silent Chain
	Crankshaft gear or sprocket material		Sintered Iron G.M. 3884 M
	Camshaft gear or sprocket material		Die Cast Alum. - Nylon Gear
	Timing chain	No. of links	48
		Width	.750
		Pitch	.500

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Std.
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1.65:1
Operating tapper clearance (indicate hot or cold)	Intake	Auto
	Exhaust	Auto

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (•)

MODEL Std. Car

ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	18°	.001 Lift
		Closes (°ABC)	114°	.001 Lift
		Duration - deg.	312°	.001 Lift
	Exhaust	Opens (°BBC)	70°	.001 Lift
		Closes (°ATC)	58°	.001 Lift
		Duration - deg.	308°	.001 Lift
	Valve opening overlap			
Intake	Material		1041 Alum. Steel	
	Overall length		5.230	
	Actual overall head dia.		2.000	
	Angle of seat & face		Seat In Head 45 Degrees Valve Face 44 Degrees	
	Seat insert material		None	
	Stem diameter		.3412 - .3425	
	Stem to guide clearance		.0005 - .0025	
	Lift (@ zero lash)		.440	
	Outer spring press. & length	Valve closed (lb. @ in.)	60-65 @ 1.946	
		Valve open (lb. @ in.)	155 - 165 @ 1.496	
	Inner spring press. & length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	
Exhaust	Material		21-2 & G.M.R. 241-M	
	Overall length		5.245	
	Actual overall head dia.		1.625	
	Angle of seat & face		Seat 45 Degrees Face 44 Degrees	
	Seat insert material		None	
	Stem diameter		.3415 - .3420	
	Stem to guide clearance		.0010 - .0025	
	Lift (@ zero lash)		.454	
	Outer spring press. & length	Valve closed (lb. @ in.)	60-65 @ 1.946	
		Valve open (lb. @ in.)	155 - 165 @ 1.496	
	Inner spring press. & length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	

ENGINE – LUBRICATION SYSTEM

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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL Std. Car

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Spur Gear
Normal oil pressure (lb. engine rpm)	35-40 @ 30 MPH
Oil press. sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part., other)	Full Flow
Filter replacement (element, complete)	Element
Capacity of c/case, less filter-refill (qt.)	4 Qts. + 1 Qt. Filter
Oil grade recommended (SAE viscosity and temperature range)	+ 32°F SAE 20W-IOW30 0 –+ 32°F SAE IOW-IOW30 Below 0°F SAE 5W-5W20
Engine Service Reqmt. (MM, MS, etc.)	MS-GM 6031M

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single with Crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)		Reverse Flow Exhaust System
Exhaust pipe dia. (O.D., wall thick.)	Branch	Exhaust 2.24 - 2.50
	Main	Intermediate 2.50 .036-.048 Laminated
Tail pipe dia. (O.D. & wall thickness)		2.50 Aluminized

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)		Standard	Induction
		Optional	None
Control Unit	Make and model		AC Spark Plug
	Location		
	Energy source (manifold vacuum, carburetor air stream, other)		Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)		Spring Loaded Valve Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)		Intake Manifold
	Air inlet (breather cap, carburetor air cleaner, other)		Air Cleaner
	Flame arrestor (screen, check valve, other)		Check Valve

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (o)

MODEL Std. Car

ENGINE – EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)			Air Injection Type
Air Injection Pump	Type		Saginaw Steering Gear
	Displacement		19.3 Cu. In.
	Drive ratio		1.2:1
	Drive type		Belt
	Relief valve (type)		None
	Filter (describe)		Centrifugal Seperator
Air Injection System	Air distribution (head, manifold, etc.)		Manifold
	Point of entry		Cylinder Head
	Injection tube I.D.		.579
	Check valve type		Diaphram (Delco)
	Backfire protection (type)		RPD Diverter and Integral Relief
Carburetor	Make		Rochester
	Model		4 BBL 4MV
	Barrel size		Pri. 1.375 Sec. 2.250
	Idle speed	Drive	550 Drive (A/C Off)
		Neutral	-
	Idle A-F mixture		-
Distributor	Aux. Adv. Systems (type)		* None
	Make		Delco Remy
	Model		1111239
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	0 Degrees @ 600 RPM
		Intermed. points deg. @ rpm	14.5 Deg. - 18.5 Deg. @ 1950 RPM
		Max. deg. @ rpm	26 Degrees - 30 Degrees @ 4400
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg. @ in. Hg Max. deg. @ in.	Start 8" - 10" Int. 12° - 25.5° @ 13" 22.5° - 25.5° @ 16" Max 25.5° @ 16"
	Vacuum Source		Carburetor
Timing - Crank degrees @ rpm			5 Degrees BTDC
Cooling System			-
Exhaust System			-

* A thermostatic Vacuum Advance Switch Mounted in Cyl. Block water passages on all A/C Equipped Cars.

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL Std. Car

ENGINE – FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor
Fuel Tank	Refill capacity (U.S. gals.)		Approx. 26
	Filler location		Back of License Plate
Fuel Pump	Type (elec. or mech.)		Mechanical
	Locations		Lower Left Side of Eng.
	Pressure range		5.25 - 6.50 @ 1800 RPM
Vacuum booster (std., optional, none)			None
*Fuel Filter	Type		A.C.
	Locations		Frt. of Eng. in Line at Outlet of Pump
Carburetor	Choke type		Remote Pocket in Manifold
	Intake manifold heat control (exhaust or water)		Exhaust
	Air cleaner type	Standard	Dry Pack Single Inlet
		Optional	-
	Idle speed (spec. neutral or drive)	Manual	-
		Automatic	550 Drive (A/C off)
		Idle A/F mix.	

CARBURETOR SUPPLEMENTARY INFORMATION

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

AMA Specifications—Passenger Car

Page 11

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (*)

MODEL Std. Car

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)		By Pass
	Starts to open at (°F)		192 - 199
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 Bearing
By-pass recirculation type (inter., ext.)			Internal
Radiator core type (cellular, tube and fin, other)			Tube & Center
Cooling system capacity	With heater (qt.)		21.3 24.8 on Limo A/C Std.
	Without heater (qt.)		Heater Std. Equip
	Opt. equipment-specify (qt.)		21.8 With A/C
Water jackets full length of cyl. (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator hose	Lower	Number and type (molded, straight)	1-Molded
		Inside diameter	1.50
	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		**7 @ 64° - 48° - 40° - 45° - 50° - 54° - 59°
	Diameter		18"
	Ratio-fan to crankshaft rev.		1.1:1
	Fan cutout type		None
	Bearing type		None
*Drive belts (indicate belt used by letter)	Fan		A
	Generator or alternator		B
	Water Pump		A
	Power Steering		C
	Air Conditioning		D Matched 2 Belts
			A

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	38°	38°	38°	38°							
Nominal length (SAE)	45.5	35.5	48.0	59.0							
Width	.460	.460	.380	.380							

** 7 Blade on all A/C & Limo. 61°- 46°- 50°- 53° 30' - 53° 30' - 50°- 46°

AMA Specifications—Passenger Car

Page 12

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL				Std. Car	
ELECTRICAL – SUPPLY SYSTEM					
Battery	Make and Model			Delco Remy	
	Voltage Rtg. & Total Plates			12 Volt 15 Plate	
	SAE Designation & Amp. Hr. Rtg.			74 Amp. Hrs. @ 20 Hr. Rate	
	Location			Right Hand Side - Underhood	
	Terminal grounded			Negative	
Generator or Alternator	Make			Delco Remy	
	Model			1100734	1100803 Limo & A/C
	Type and rating			42 Amp.	55 Amp.
	Output at engine idle (neutral)			Charge @ Idle	
	Ratio–Gen. to Cr/s rev.			2.75:1	2.86:1 A/C
Regulator	Make			Delco Remy	
	Model			1119515	
	Type			Double Contact	
	Cutout relay	Closing voltage generator rpm		None	
		Reverse current to open		None	
	Regulated	Voltage		13.8 - 14.8 @ 100 Degrees	
		Current		None	
	Voltage test conditions	Temperature		100 Degrees	
		Load		10 Amps.	
		Other		-	
ELECTRICAL – STARTING SYSTEM					
Starting Motor	Make			Delco Remy	
	Model			1108371	
	Rotation (drive end view)			Clockwise	
Motor control	Switch (solenoid, manual)			Solenoid	
	Starting procedure			Place Trans. in Park Position:	
Motor Drive	Engagement type			Spiral Spline & Over Running Clutch	
	Pinion meshes (front, rear)			Front	
	Number of teeth	Pinion		9	
		Flywheel	Manual	N.A.	
			Auto.	.166	
	Flywheel tooth face width		Manual	N.A.	
			Auto.	.500	

AMA Specifications—Passenger Car

Page 13

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL Std. Car

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Std.
	Transistorized – Std., Opt., N.A.		N.A.
	Other (specify)		-
Coil	Make		Delco Remy
	Model		1115295
	Amps	Engine stopped	2.40 Amps.
		Engine idling	1.25 Amps.
Distributor	Make		Delco Remy
	Model		1111939
	Cent'fgal adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm)	0° @ 600 RPM
		Intermediate points deg.@rpm	14.5° - 18.5° @ 1950 RPM
		Max. deg.@rpm	26° - 30° @ 4400
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)	8" - 11"
		Intermediate points, deg.@in. Hg.	12° - 25.5° @ 13" 22.5° - 25.5° @ 16"
		Max. deg. in. Hg.	25.50° @ 16"
	Breaker gap (in.)		.016
	Cam angle (deg.)		28° - 32°
	Breaker arm tension (oz.)		19 - 23 Oz.
Timing	Crankshaft deg.@rpm		5 Degrees BTDC
	Mark location		Crankshaft Pulley
Spark Plug	Make		A.C.
	Model		R-44N
	Thread (mm)		14MM
	Tightening torque (lb. ft.)		25 Lb. Ft.
	Gap		.035
Cable	Conductor type		Resistant Core
	Insulation type		Neoprene
	Spark plug protector		Neoprene

ELECTRICAL – SUPPRESSION

Locations & type	-

Packard Electric - Dist. Resistance Wire
.3 MFD on Coil Feed Terminal
.5 MFD on Gen. Reg. Feed Terminal
Two Ground Straps - Rear of Cylinder Head
Two Ground Straps - Upper Control Arms

AMA Specifications—Passenger Car

Page 14

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (*)

MODEL Std. Car

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	A.C.
	Trip odometer (yes,no)	Yes
Charge indicator – type		
Temperature indicator – type		Tell-Tale
Oil pressure indicator – type		Tell-Tale
Fuel indicator – type		Gauge
Other		
Wind-shield wiper	Type – Standard	Electric
	Type – Optional	-
Wind-shield washer	Type – Standard	Vacuum
	Type – Optional	-
Horn	Type	F & A Calais FA & B DeVille & Fleetwood
	Number used	
	Amp draw (each)	Opt. A.C.

DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		Not Available.
Type pressure plate springs		
Total spring load (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	

AMA Specifications—Passenger Car

Page 15

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL	Std. Car

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	N.A.
Manual 4-speed (std. or opt.)	N.A.
Manual with overdrive (std. or opt.)	N.A.
Automatic (std. or opt.)	Standard

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds			None Available
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	-

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)			None Available
Manual lockout (yes, no)			-
Downshift accelerator control (yes, no)			-
Minimum cut-in speed			-
Gear ratio			-
Lubricant	Capacity (pt.) (Overdrive only)		-
	Separate filler (yes, no)		-
	Type recommended		-
	SAE viscosity number	Summer	-
		Winter	-
		Extreme cold	-

AMA Specifications—Passenger Car

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (a)

MODEL Std. Car

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		Turbo-Hydramatic	
Type describe		3 Element Fixed Converter With Step Shifts.	
Selector location		Strg. Column	
List gear ratios Selector Pattern and indicate which are used in each selector position		P-R-N-'D'-L Low Gear 2.48 Inter Gear 1.48 High Gear 1.00 Reverse 2.09	
Max. upshift speed–drive range		90 MPH	75 MPH (Limo.)
Max. kickdown speed–drive range		79 MPH	65 MPH (Limo.)
Torque convertor	Number of elements	3	
	Max. ratio at stall	2.03:1	
	Type of cooling (air, liquid)	Liquid - Water to Oil	
	Nominal diameter		
Lubricant	Capacity–refill (pt.)	Approx. 3 1/2 Qts.	
	Type recommended	Fluid Type Dexron	
Special transmission features			

DRIVE UNITS – PROPELLER SHAFT

Number used		1	2 (Limo.)
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Exposed	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	N.A.	
	Manual 4-speed trans.	N.A.	
	Overdrive transmission	N.A.	
	Automatic transmission	4.00 X 64.33 X .065 3.50 X 60.83 X .065	Fleetwood Sedan & Brougham 62 and 63 Series

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

(Continued)

2.75 - 2.25 X 37.80 - .083 (75 Limo.)
2.75 - 2.25 X 43.65 - .083

AMA Specifications—Passenger Car

Page 17

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (*)

MODEL | Std. Car

DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		None on Std. Car	Roller Brg. (Limo.)
	Lubrication (fitting, prepack)		Prepack	
Slip Yoke	Type		Internally Splined	
	Number of teeth		32	
	Spline O.D.		1.395 (Major Dia.)	
Universal joints	Make and Mfg. No.		Saginaw	
	Number used		2 (Std. Car)	3 (Limo)
	Type (ball and trunnion, cross)		Cross-Double Cardon	
	Rear attach. (u-bolt, clamp, etc.)		"U" Bolt	
	Bearing	Type (plain, anti-friction)	Needle - Roller	
		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 – AXLE

Type (front, rear)			Rear	
Description			Hypoid	
Limited Slip differential, type			Cone Clutch	
Drive Pinion Offset			1.75	
No. of differential pinions			2	
Pinion adjustment (shim, other)			None	
Pinion bearing adj. (shim, other)			Collapsable Spacer	
Wheel bearing type			Ball	
Lubricant	Capacity (pt.)		5 Pt.	
	Type recommended		Mil-L-21058 (Contr. Diff. Spec. Lub)	
	SAE viscosity number	Summer	90	
		Winter	90	
		Extreme cold	90	

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.94 (Incl. A/C)	3.21 (Limo.)
No. of teeth	Pinion	47	45
	Ring gear	16	14
Ring Gear O.D.		9.424	9.422

AMA Specifications—Passenger Car

Page 18

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL	Std. Car

DRIVE UNITS – WHEELS

Type & material			Drop Center - Steel
Rim (size & flange type)		Std.	15-6JJ
		Opt.	None
Attachment	Type (bolt or stud)		Stud
	Circle diameter		5"
	Number and size		5 1/2 X 20

MODEL	

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply		9.00 X 15	8.20 X 15
	Type (bias, radial, etc.)		Rayon - Polyester	
	Full rated Inflation Press.	Front	25	28
		Rear	25	*
	Rev./Mile at 50 MPH		714	713
Optional	Size, ply rating, & ply		9.00 X 15 White 8.20 X 15 White in Limousine	

BRAKES – PARKING

Type of control		Foot Operated - Vac. Released
Location of control		Left Side Below Inst. 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.

(* Tire Pressure)
1-5 Pass. 28# Rear (750# Load)
1-9 Pass + 200 Lb. Trunk Load 38# Rear (1550# Load)

AMA Specifications—Passenger Car

Page 19

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (a)

MODEL Std. Car

BRAKES – SERVICE

Type (drum) or (disc & no. of pistons)				Disc Frt. Single Piston - Drum Rear	
Self adjusting (std., opt., N.A.)				Std.	
Special Valving	Type (proportion, delay, metering, other)			Metering	
Power brake make & type (remote, int., etc.)	Std.			Moraine & Bendix Direct Hyd. Vacuum	
				F	R T
Effective area (sq. in.) *				38.36 In^2	101.75 140.1
Gross lining area (sq. in.) **				42.28 In^2	116.8 159.08
Swept area (sq. in.) ***				240 In^2	188.5 428.5
Front to Rear Effectiveness Relationship				61% Frt.	39% Rear
Drum	Diameter (nominal)	Front		None	
		Rear		12"	
	Type and material			Composite Cast Iron - Finned	
Rotor	Outer working diameter			11.90	
	Inner working diameter			8.06	
	Working width			1.24	
	Material & type (vented/solid)			Full Cast Iron - Vented	
Wheel cylinder bore	Front			None	
	Rear			13/16	7/8 Limo.
Master Cylinder	Bore			1.00	
	displacement distribution	Front	%	70	
		Rear	%	30	
Pedal arc ratio				3.1:1	
Line pressure at 100 lb. pedal load				1050 PSI-Std.	1650 PSI-Limo.
Shoe Clearance	Front			None	
	Rear			.015	
Brake lining	Bonded or riveted			Riveted	
	Front Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or outboard	5.4 X 1.92 X.41	
			Second. or inboard	5.4 X 1.92 X.43	
		Segments per shoe		1	
	Rear Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or outboard	11.00 X 2.5 X .24	
			Second. or inboard	12.36 X 2.5 X .26	
		Segments per shoe		1	

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

AMA Specifications—Passenger Car

Page 20

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

STEERING

MODEL				Std. Car		75 Limousine
Manual (std., opt., NA)				N.A.		
Power (std., opt., NA)				Std.		
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt & Telescope		
		(std., opt., NA)		Opt.		
Wheel diameter		Manual		N.A.		
		Power		15.5		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		47.7	48.8 (60&61)	57.3
		Curb to curb (l. & r.)		44.8	45.8 (60&61)	54.5
	Inside rear	Wall to wall (l. & r.)		26.5	27.4 (60&61)	35.7
		Curb to curb (l. & r.)		27.1	28.0 (60&61)	36.3
Manual	Gear	Type		N.A.		
		Make		N.A.		
		Ratios	Gear	N.A.		
			Overall	N.A.		
	No. wheel turns (stop to stop)			N.A.		
Power	Type (coaxial, linkage, etc.)			Linkage - Variable Ratio		
	Make			Saginaw Steering Gear		
	Gear	Type		Concentric Gear		Ball Nut Sector
		Ratios	Gear	12.2 - 16.0 - 12.2		17.5
			Overall	10.3 - 16.6 - 10.3		18.2
	Pump driven by			Belt		
	No. wheel turns (stop to stop)			3.1		3.7
Linkage	Type			Parallel Draglink		
	Location (front or rear of wheels, other)			Rear		
	Drag link (trans. or longit.)			Transverse		
	Tie rods (one or two)			Two		
Steering Axis	Inclination at camber (deg.)			6 Degrees @ 0 Degrees		
	Bearings (type)	Upper		Spherical Joints		
		Lower		Spherical Joints		
		Thrust		Spherical Joints		
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)			-1 Deg. to -2 Deg. (Exc. Auto Level)		
	Camber (deg.)			Left +3/8 to - 1/8		Right +1/8 to + 3/8
	Toe-in (outside track inches)			1/4 to 5/16		
Steering spindle & joint type				Spherical Joints		
Wheel Spindle	Diameter	Inner bearing		1.348-1.343		
		Outer bearing		.8430-.8435		
	Thread size			3/4 - 20		
	Bearing type			Tapered Roller		

AMA Specifications—Passenger Car

Page 21

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (•)

MODEL	Std. Car

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		Auto Level Control Std. on 60 Special & 75 Limousine
Provision for brake dip control		In Front Suspension Design
Provision for acc. squat control		In Front Suspension Design
Special provisions for car jacking		Bumper Type
Shock absorber front & rear	Type	Direct Action
	Make	Delco
	Piston dia.	1"
Other special features		Nylon Piston Ring Freon Envelope eliminates Aeration of oil.

SUSPENSION – FRONT

Type and description		Independent - Coil
Spring	Type	Coil
	Material	9260 Steel
	Size (coil design height & I.D. bar length x dia.)	10.09" x 4.00 X 157.7 X .680 (62 & 63) 10.44 X 4.00 X 163.50 X 73(10.09 X 4.00 X 165.7 X .690 (60 Spec.) (75 Limo.)
	Spring rate (lb. per in.)	335 (60 Spec) 325 (62 & 63) 425 (75 Limo.)
	Rate at wheel (lb. per in.)	89 (60 Spec) 86 (62 & 63) 120 (75 Limo.)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	1085 Steel X 25/32 (60-62-63) .875 (75 Limousine)

SUSPENSION – REAR

Type and description			4 Link Susp.
Drive and torque taken through			Links
Spring	Type		Coil
	Material		9260 Steel
	Size (length x width, coil design height & I.D.; bar length & dia.)		9.00 X 5.50 X 145.9 X .590 9.17 X 5.20 X 149.75 X .695 (75 Limo.)
	Spring rate (lb. per in.)		95 (60 Spec.) 115 (62 & 63) 250 (75)
	Rate at wheel (lb. per in.)		100 (60 Spec.) 110 (62 & 63) 157 (75)
	Mounting insulation type		Rubber
	If leaf	No. of leaves	None Available
		Shackle(comp.or tens.)	None Available
Stabilizer	Type (link, linkless, frameless)		None Available
	Material		None Available
Track bar type			None Available

AMA Specifications—Passenger Car

Page 22

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (a)

MODEL 68069 68247 68249 68169 68347 68349 68367 68369 69723 & 33

FRAME

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

BODY – MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front	
	Rear doors	Center	
Type of finish (lacquer, enamel, other)		Acrylic	
Hood counterbalanced (yes, no)		Yes	
Hood release control (internal, external)		External	
Vehicle Indent. No. location		Windshield Lower, Frame Side - Trans. - Engine	
Engine No. location		Rear Upper Portion of Cyl. Block - L. Side of Trans.	
Theft protection - type		Ign. Key Start - Strg. Col. Lock Ign. Warning Buzzer	
Vent window control method (crank, friction pivot)	Front	None	
	Rear	None	
Seat cushion type	Front	Zig Zag Spring	Coil Spring (Brougham)
	Rear	Zig Zag Spring	Coil (60-61-75)
	3rd seat	-	
Seat back type	Front	Zig Zag Spring	Coil Spring (60-61-75)
	Rear	Zig Zag Spring	Coil Spring (60-61-75)
	3rd seat	-	
Windshield glass type (i.e., single curved - laminated plate)		Compound Curve - Laminated	
Side glass type (i.e., curved - tempered plate)		Laminated Side Window	
Backlight glass type (i.e., compound curved - tempered plate, three piece)			
Windshield glass exposed surface area		1509.8 1434.6 1434.6 1434.6 1509.8 1509.8	
Side glass exposed surface area		2498.2 2214.0 2348.8 2356.6 2300.8 2772.1	
Backlight glass exposed surface area		758.6 952.2 952.2 827.3 940.8 496.8	
Total glass exposed surface area		4766.6 4600.8 4735.6 4618.5 4751.4 4778.7	

* 69733 Partition Glass Area 45.2 (Not in Total Glass Area)

AMA Specifications—Passenger Car

Page 23

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (e)

MODEL All Exc. Eldorado

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Std.
	Vent windows	None
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		2-Way Std. 60-61-63-75 N.A. on 62 Series 6-Way Power Opt. all Series
Reclining front seat back (R-L or both)		
Front seat head restrainer (R-L or both)		Std.
Radios (specify type as well as availability)		Delco Radio AM/AM-FM FM Stereo Opt. All Series
Rear seat speaker		Std. With Radio Opt. (2 Frt. - 2 Rear With Stereo)
Power antenna		Std. With Radio Opt.
Clock		Std.
Air conditioner (specify type and availability)		Auto Climate Control (Opt. - 60-61-62-63) (Std. - 75 Limo. Dual)
Speed warning device		N.A.
Speed control device		Opt.
Ignition lock lamp		N.A.
Dome lamp		Std. (75) Rear Qtr. Std. Other Style
Glove compartment lamp		Std.
Luggage compartment lamp		Std.
Underhood lamp		N.A.
Courtesy lamp		Std.
Map lamp		Std.
Auto. trans. quad. lamp		Std.
Cornering light lamp		Std.
Side Markers		Std.

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	24.72
		Lowest	
	Tail	Highest	29.08
		Lowest	
	Side marker	Front	24.11
		Rear	29.08
Distance from C L of car to center of bulb *	Headlamp	Inside	18.04
		Outside *	24.42
	Tail	Inside	34.84
		Outside	-
	Directional	Front	34.84
		Rear	

* If single headlamps are used enter here.

AMA Specifications—Passenger Car

Page 24

MAKE OF CAR Cadillac MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (a)

WEIGHTS

	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
				Pass. In Front		Pass. In Rear			
	Front	Rear	Total	Front	Rear	Front	Rear	Fuel	Coolant
Model									
68069	2574	2340	4914					158.6	44.4
68169	2597	2368	4965					158.6	44.4
68247	2512	2244	4756					158.6	44.4
68249	2537	2243	4780					158.6	44.4
68347	2526	2271	4797					158.6	44.4
68349	2540	2298	4838					158.6	44.4
68369								158.6	44.4
68367	2499	2276	4775					158.6	44.4
69723								158.6	51.7
69733								158.6	51.7

Accessories & Equipment Differential Weights				Remarks
Air Conditioning	122.5	2.5	125.0	
Radio & Antenna & Speaker	11.0	4.2	15.2	AM
	11.4	4.2	15.6	AM-FM
	14.5	5.0	19.5	AM-FM-Stereo
Door Locks (Power)	8.0	3.8	11.8	Sedans
	8.5	3.3	11.8	Coupes
6-Way Seat	11.4	6.2	17.6	Calais Only
	7.7	4.2	11.9	DeVille & 60 Special
Power Trunk	-	8.0	8.0	
Cruise Control	11.0	1.0	12.0	
Padded Roof	2.2	3.2	5.4	DeVille
	5.0	8.0	13.0	Limousine
Auto Level Control	11.2	2.8	14.0	

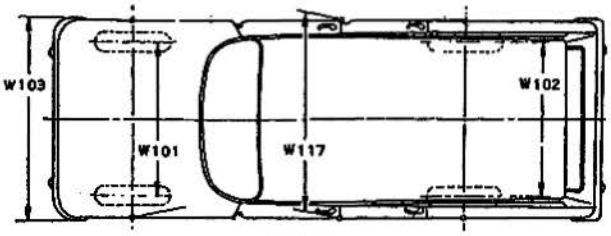
*Reference – SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

AMA Specifications—Passenger Car

CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



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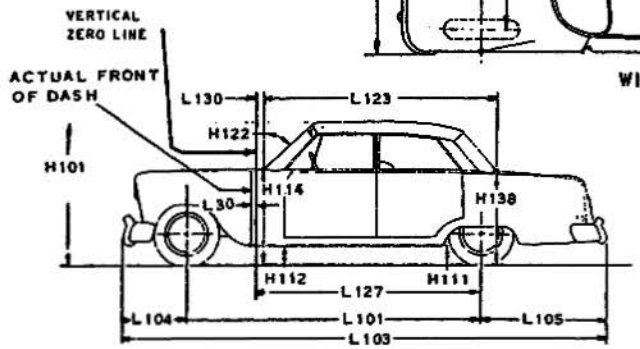

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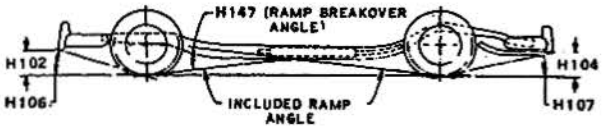
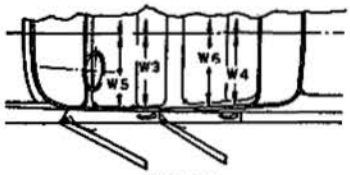


GROUND CLEARANCE

INTERIOR CAR AND BODY DIMENSIONS



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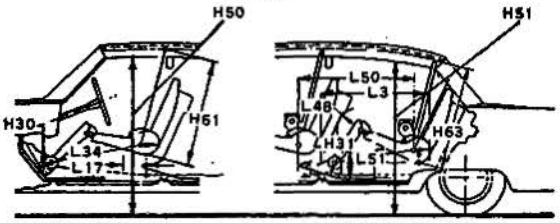
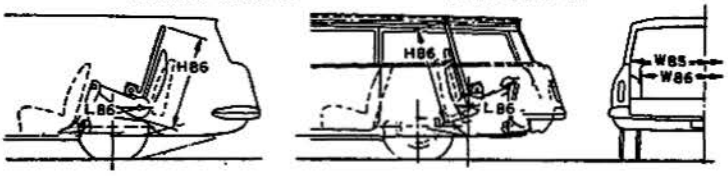
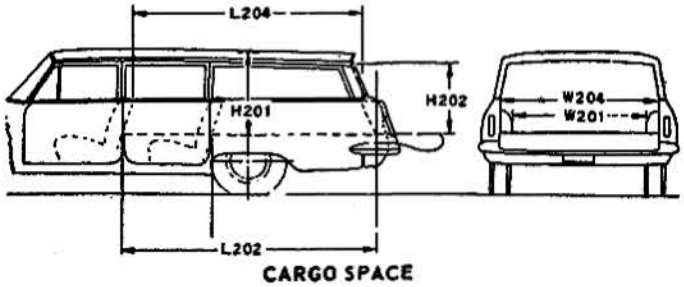


FRONT COMPT. REAR COMPT.



THIRD SEAT



CARGO SPACE

AMA Specifications—Passenger Car

Page 26

CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

W101 WHEEL TREAD – FRONT. Measured at centerline of tires with nominal camber, at ground.

W102 WHEEL TREAD – REAR. Measured at centerline of tires at ground.

W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.

W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (–) sign.

L101 WHEELBASE.

L103 OVERALL LENGTH. Include bumper guards if standard equipment.

L104 OVERHANG – FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.

L105 OVERHANG – REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.

L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.

L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.

L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

H101 OVERALL HEIGHT – DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.

H114 COWL POINT TO GROUND. Measured at vehicle centerline.

H138 DECK POINT TO GROUND. Measured at vehicle centerline.

H112 ROCKER PANEL TO GROUND – FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.

H111 ROCKER PANEL TO GROUND – REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.

H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

H102 BUMPER TO GROUND – FRONT. Minimum dimension, includes bumper guards.

H104 BUMPER TO GROUND – REAR. Minimum dimension, includes bumper guards.

H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.

H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.

H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.

H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

H 61 EFFECTIVE HEAD ROOM – FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.

L 34 MAXIMUM EFFECTIVE LEG ROOM – ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.

H 30 H POINT TO HEEL POINT – FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.

L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

W 3 SHOULDER ROOM – FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.

W 5 HIP ROOM – FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.

H 50 UPPER BODY OPENING TO GROUND – FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.

H 63 EFFECTIVE HEAD ROOM – REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.

L 51 MINIMUM EFFECTIVE LEG ROOM – REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.

H 31 H POINT TO HEEL POINT – REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.

L 48 MINIMUM KNEE ROOM – REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.

L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.

W 4 SHOULDER ROOM – REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.

W 6 HIP ROOM – REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.

H 51 UPPER BODY OPENING TO GROUND – REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

V 1 LUGGAGE CAPACITY – USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.

H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON – THIRD SEAT DIMENSIONS

W 85 SHOULDER ROOM – THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.

W 86 HIP ROOM – THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.

L 86 EFFECTIVE LEG ROOM – THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.

H 86 EFFECTIVE HEAD ROOM – THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON – CARGO SPACE DIMENSIONS

L202 CARGO LENGTH AT FLOOR – FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.

L204 CARGO LENGTH AT BELT – FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.

W201 CARGO WIDTH – WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings at floor level.

W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.

H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.

H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.

V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

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

AMA Specifications—Passenger Car

Page 27

INDEX