

AMA Specifications – Passenger Car

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MANUFACTURER CHEVROLET MOTOR DIVISION GENERAL MOTORS CORP.	CAR NAME CHEVELLE - 54-56-5800 327 cu. in. V-8 ENGINE (Optional)				
MAILING ADDRESS Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Mich.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">MODEL YEAR 1964</td> <td style="padding: 5px;">ISSUED: 12-2-63</td> </tr> <tr> <td colspan="2" style="padding: 5px;">REVISED (e)</td> </tr> </table>	MODEL YEAR 1964	ISSUED: 12-2-63	REVISED (e)	
MODEL YEAR 1964	ISSUED: 12-2-63				
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.

	(Optional) 327 Cu. In. <u>8-Cylinder</u>
CHEVELLE 300	
2-Door Sedan, 6-Pass.	5411
4-Door Station Wagon, 2-Seat	5435
2-Door Station Wagon, 2-Seat	5415
4-Door Sedan, 6-Pass.	5469
MALIBU	
4-Door Station Wagon, 2-Seat	5635
2-Door Sport Coupe, 5-Pass.	5637
2-Door Convertible, 5-Pass.	5667
4-Door Sedan, 6-Pass.	5669
4-Door Station Wagon, 3-Seat	5645
MALIBU SUPER SPORT	
2-Door Sport Coupe, 4-Pass.	5837
2-Door Convertible, 4-Pass.	5867
EL CAMINO	
2-Door Sedan Pickup, 3-Pass. Regular	5480
2-Door Sedan Pickup, 3-Pass. Deluxe	5680

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MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED()

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL 54, 56, -5800		Additional Information Page No.:	327 Cu. In. Engines (Optional)			
			250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)	
Wheelbase (L101)		23	115.0			
Tread	Front (W101)	22	Sedans	Sport Coupe	Convertible	Sta/Wagon
	Rear (W102)	22	58.0			
Maximum Overall Dimensions	Length (L103)	23	193.9			198.8
	Width (W103)	22	74.6			
	Height (H101)	24	54.5	54.0	54.1	
Transmission (Specify trade name - opt., not available)	Manual	15	3-Speed, Std. 4-Speed, Opt.	4-Speed, Opt.		
	Overdrive	16	Not offered			
	Automatic	16	Powerglide, Opt.		Not offered	
Axle ratio	Manual	3-Speed	3.36:1	---		
		4-Speed		3:36:1		
	Overdrive	17	-----			
Automatic	17	3.08:1	3.36:1	---		
Tire size		18	7.00 x 14			
Engine	Type, no. cyl., valve arr.	2	90° OHV V-8			
	Fuel system (Carb., other)	8	Carburetor			
	Bore and stroke	2	4.001 x 3.250			
	Piston displ., cu.in.	2	327			
	Std. compression ratio	2	10.5:1		11.0:1	
	Max. bhp at engine rpm	2	250 @ 4400	300 @ 5000	365 @ 6200	
	Max. torque at rpm	2	350 @ 2800	360 @ 3200	350 @ 4000	

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MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED ^(a)
	54, 56, - 5800	327 Cu. In. Engines (Optional)				
MODEL		250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)		

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° OHV V-8		
Bore and stroke (nominal)	4.001 x 3.250		
Piston displacement, cu. in.	327		
Bore spacing (C/L to C/L)	4.40		
No. system (front to rear)	L. Bank	1-3-5-7	
	R. Bank	2-4-6-8	
Firing order	1-8-4-3-6-5-7-2		
Compres. ratio (nominal)	10.5:1	11.0:1	
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cylinder Sleeve—Wet, dry, none	None		
Number of mounting points	Front	Two	
	Rear	One	
Engine installation angle	5° 11'		
Taxable horsepower	51.2		
	Dia. ² x No. Cyl. 2.5		
Published max. bhp* @ eng. RPM	250 @ 4400	300 @ 5000	365 @ 6200
Published max. torque* (lb. ft. @ RPM)	350 @ 2800	360 @ 3200	350 @ 4000
Recommended fuel regular - premium	Premium		
Idle speed (spec. neutral or drive)	Manual	500 in neutral	800 in neutral
	Automatic	475 in drive	---

ENGINE—PISTONS

Material	Cast aluminum	Alum. impact extruded	
Description and finish	Flat head, notched, Slipper skirt	Domed head; Slipper skirt	
Weight (piston only) oz.	21.6	20.2	
Clearance (limits)	Top land	.0365-.0455	
	Skirt	Top	.0005-.0011 (a)
		Bottom	-----
Ring groove depth	No. 1 ring	.2217-.2283	
	No. 2 ring	.2217-.2283	
	No. 3 ring	.2038-.2103	
	No. 4 ring	None	

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

(a) Measured 2.24 from top of piston

(b) Measured 2.32 from top of piston

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO * (Std. first) Posi-traction	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM			
5400 5600 5800	327 *	4 Bbl	10.5:1	250 @ 4400	350 @ 2800	3-Speed 4-Speed *	3.36:1	3.36:1
						Powerglide *	3.08:1	3.08:1
		Large 4 Bbl Alum	10.5:1	300 @ 5000	360 @ 3200	4-Speed Powerglide *	3.36:1	3.36:1
		Large 4 Bbl	11.0:1	365 @ 6200	350 @ 4000	4-Speed	3.36:1	3.36:1

* - Optional

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327 Cu. In. Engine. (Optional)

MODEL 54, 56-5800 250 HP (RPO-L30) 300 HP (RPO-L74) 365 HP (RPO-L76)

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.		Compression
	No. 2, oil or comp.		Compression
	No. 3, oil or comp.		Oil
	No. 4, oil or comp.		None
Compression	Description - material, type, coating, etc.	Upper: Cast alloy iron, inside bevel Chrome plate; Lower: Two piece; Cast alloy iron ring wear resistant ctg. & steel expander	Molybdenum coating Cast alloy iron Molybdenum coating
	Width	.0775-.0780	
	Gap	Upper: .013-.025; Lower .013-.023	Up'r & Lw'r .013-.025
Oil	Description - material, type, coating, etc.	Multi-piece (2 rails and one spacer expander) Rails-Steel, chrome plated OD Expander - Stainless Steel	
	Width	.1840-.1880 assembled	
	Gap	.015-.055	
Expander		In oil ring assembly	

ENGINE—PISTON PINS

Material	Chromium Steel		
Length	2.990-3.010		
Diameter	.9270-.9273		
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bushing	In rod or piston	None
		Material	--
Clearance	In piston	.00015-.00025	.00045-.00055
	In rod	None	
Direction & amount offset in piston	Major thrust side .060		On center

ENGINE—CONNECTING RODS

Material	Drop forged steel		
Weight (oz.)	20.00	20.32	
Length (center to center)	5.699-5.701		
Bearing	Material & Type	Premium Aluminum	
	Overall length	.807	
	Clearance (limits)	.0007-.0028	
	End play	.009-.013	

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MODEL <u>54, 56-5800</u>	<u>327 Cu. In. Engine (Optional)</u>		
	<u>250 HP (RPO-L30)</u>	<u>300 HP (RPO-L74)</u>	<u>365 HP (RPO-L76)</u>

ENGINE—CRANKSHAFT

Material		Forged Steel		
Vibration damper type		Rubber mounted inertia damper		
End thrust taken by bearing (No.)		Five		
Crankshaft end play		.002-.006		
Main bearing	Material & type	Premium Aluminum	Premium Aluminum exc. No 5-Steel backed babbitt	
	Clearance	#1 thru #4; .0008-.0034 No. 5; .0010-.0036		
	Journal dia. and bearing overall length	No. 1	2.3009 x .752	
		No. 2	2.3009 x .752	
		No. 3	2.3009 x .752	
		No. 4	2.3009 x .752	
		No. 5	2.3006 x 1.1824	
No. 6	None			
No. 7	None			
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		1.999-2.000		

ENGINE—CAMSHAFT

Location		In block above crankshaft		
Material		Cast alloy iron		
Bearings	Material	Extra life steel backed babbitt		
	Number	Five		
Type of Drive	Gear or chain	Chain		
	Crankshaft gear or sprocket material	Steel Sprocket		
	Camshaft gear or sprocket material	Cast alloy iron		
	Timing chain	No. of links	40	
		Width	.875	
Pitch		.500		

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard	NA
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.5:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	.025
	Exhaust	Zero	.025
Timing marks on flywheel, damper, other		Damper	

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MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED(*)
MODEL	54, 56-5800	327 Cu. In. Engine (Optional)				
		250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)		

ENGINE—VALVE SYSTEM (cont.)

Timing *	Intake	Opens (°BTC)	32° 30'	60° 50'	
		Closes (°ABC)	87° 30'	105° 23'	
		Duration - deg.	300°	346° 13'	
	Exhaust	Opens (°BBC)	74° 30'	108° 50'	
		Closes (°ATC)	45° 30'	57° 23'	
		Duration - deg.	300°	346° 13'	
	Valve opening overlap		78°	204° 13'	
Intake	Material		Carbon Steel	Alloy Steel	
	Overall length		4.902-4.922	4.870-4.889	
	Actual overall head dia.		1.715-1.725	1.935-1.945	
	Angle of seat & face		46° (seat) 45° (face)		
	Seat insert material		None		
	Stem diameter		.3404-.3417		
	Stem to guide clearance		.0010-.0027		
	Lift (@ zero lash)		.3987	.4850	
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.66		
		Valve open (lb. @ in.)	170-180 @ 1.26		
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring Damper		
		Valve open (lb. @ in.)	Spring Damper		
	Exhaust	Material		High alloy steel (Aluminized face)	
		Overall length		4.913-4.933	4.891-4.910
		Actual overall head dia.		1.495-1.505	1.595-1.605
Angle of seat & face		46° (seat) 45° (face)			
Seat insert material		None			
Stem diameter		.3410-.3417			
Stem to guide clearance		.0010-.0027			
Lift (@ zero lash)		.3987	.4850		
Outer spring press. and length		Valve closed (lb. @ in.)	78-86 @ 1.66		
		Valve open (lb. @ in.)	170-180 @ 1.26		
Inner spring press. and length		Valve closed (lb. @ in.)	Spring Damper		
		Valve open (lb. @ in.)	Spring Damper		

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Nozzle
	Cylinder walls	Pressure, jet cross sprayed

* 250 HP & 300 HP include ramps
365 HP include .025 lash

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MODEL <u>54-56-5800</u>	327 Cu. In. Engine (Optional)		
	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	40 PSI @ 2000
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Element
Capacity of crankcase, less filter-refill (qt.)	4
Oil grade recommended (SAE viscosity and temperature range)	32°F and Above ----- SAE20W, SAE20, or SAE10W-30 0°F and Above ----- SAE10W or SAE 10W-30 Below 0°F ----- SAE 5W or SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two; reverse flow
Exhaust pipe dia. (O.D.)	Branch Main
Exhaust pipe wall thickness	2.0 x .078-.091 2.5 x .062-.072
Tail pipe diameter (O.D. & wall thickness)	1.875 x .062-.076 2.00 x .073-.091 laminated

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	
Control unit	Make and model	At Carburetor Base
	Location	Manifold vacuum
	Energy source (manifold vacuum, carburetor air stream, other)	Variable orifice
	Control method (variable orifice, fixed orifice, other)	Intake manifold
Complete system	Discharges (to Intake manifold, carb. air intake, air cleaner Intake, other)	Breather cap
	Air inlet (breather cap, carburetor air cleaner, other)	Closed Positive
	Flame arrestor (screen, check valve, other)	Screen

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MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (e)
 MODEL 54, 56-5800 327 Cu. In. Engine (Optional)
 250 HP (RPO-L30) | 300 HP (RPO-L74) | 365 HP (RPO-L76)

ENGINE—FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor		
Fuel Tank	Capacity (gals.)	20		
	Filler location	Behind hinged rear license plate, (B)		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Lower right front of engine		
	Pressure range	5.25-6.50 PSI		
Vacuum booster (std., optional, none)		None		
Fuel Filter	Type	Fine mesh plastic strainer in gas tank		
	Locations	Sintered bronze filter in carburetor inlet on RPO-L30 (A)		
Carburetor	Choke type	Automatic		
	Intake manifold heat control (exhaust or water)	Exhaust		
	Air clr. type	Standard	Paper Element	Foam
		Optional		

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size	
			Make	Model			
54, 56 and 5800	327 250 hp	3-Speed	Rochester	7024125	4 bbl Down-draft	1.44 (P) 1.44 (S)	
		4-Speed					
		Powerglide					Rochester
	300 hp	4-Speed	Carter	Carter	3851761	4 bbl Down-draft	1.5625 (P) 1.6875 (S)
			Powerglide	Carter	3851762		
	365 hp	4-Speed	Holley	Holley	3858399	4 bbl Down-draft	1.5625 (P) 1.5625 (S)

(A) - Glass bowl with paper element (RPO-L74)
 In line, paper element (RPO-L76)

(B) - Left rear quarter on Station Wagon and Sedan Pickup models.

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327 Cu. In. Engine (Optional)			
MODEL 54, 56-5800	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		13± 1 psi	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at (°F)	177° -183° F	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	55 GPM @ 4000	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
Bearing type		Double roll ball	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin, other)		Tube on Center	
Cooling system capacity	With heater (qt.)	16	18
	Without heater (qt.)	15	17
	Opt. equipment-specify (qt.)	18	18
Water jackets full length of cylinder (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & Spacing		5, Staggered
	Diameter		18.00
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		Thermo-modulated-viscous coupling
	Bearing type		Double row ball
*Drive belts (Indicate belt used by letter)	Fan		A
	Generator		A
	Water Pump		A
	Power Steering		B
	Air Conditioning		C

* Drive Belt Dimensions	A	B	C
Angle of V		38° -42°	
Nominal length (SAE)	53.25	41.50	57.50
Width		.380	

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		327 Cu. In. Engine (Optional)				
MODEL	54, 56-5800	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)		

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Delco 1980558		
	Voltage Rtg. & Total Plates	12 Volt - 66 Plate		
	SAE Designation & Amp Hr. Rtg	61Amp/Hr @ 20 Hr rate		
	Location	Right front engine compartment		
	Terminal grounded	Negative		
Generator	Make	Delco-Remy		
	Model	#1100668		
	Type	Diode rectified		
	Ratio—Gen. to Cr/s rev.	2-46:1		
	Gen. cut-in (hot)—engine rpm	Idle		
Regulator	Make	Delco-Remy		
	Model	#1119515		
	Type	Vibrator		
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open		
	Regulated	Voltage	13.8-14.8 @ 85° F	
		Current		
Voltage test conditions	Temperature	Operating		
	Load	3-8 Amperes		
	Other	None		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco-Remy		
	Model	#1107320		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed			
	Test conditions	Engine at operating temperatures		
	Lock test	Amps		
		Volts		
		Torque (lb. ft.)		
No load test	Amps	65-100		
	Volts	10.6		
	RPM (min.)	3600-5100		
	Switch (solenoid, manual)	Solenoid		
Motor control	Starting procedure	<p>Synchromesh - Place gearshift in neutral and depress clutch to floor</p> <p>Powerglide - Place control lever in N or P position</p> <p>Initial Start - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START - release as soon as engine starts</p>		

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	327 Cu. In. Engine (Optional)		
MODEL 54, 56-5800	250HP (RPO-L30)	300HP (RPO-L74)	365HP (RPO-L76)

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type	Positive shift solenoid		
	Pinion meshes (front, rear)	Rear		
	Number of teeth	Pinion	9	
		Flywheel	168	
	Flywheel tooth face width	.4135		

ELECTRICAL—IGNITION SYSTEM

Coil	Make	Delco-Remy		
	Model	#1115115	#1115087	
	Amps	Engine stopped	4.0	
Engine idling		1.8		
Distributor	Make	Delco-Remy		
	Model	#1111016	#1111071	
	Cent'figal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	700	
		Intermediate points deg. @ rpm		
		Max deg. @ rpm	24 @ 4600	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	8	4
		Intermediate points, deg @ in Hg		
		Max. deg. in. Hg.	15 @ 15.5	16.5 @ 8.2
		Breaker gap (in.)	.019	
		Cam angle (deg.)	28-32	
	Breaker arm tension (oz.)	19-23		
Timing	Crankshaft deg. @ rpm.	4° @ 550	8° @ 550	
	Mark location	Vibration damper		
	Cylinder numbering system (see page 2)	Left bank 1-3-5-7 Right bank 2-4-6-8		
	Firing order (see page 2)	1-8-4-3-6-5-7-2		
Spark Plug	Make and model	AC 44		
	Thread (mm)	14		
	Tightening torque (lb. ft.)	25		
	Gap	.033-.038		
Cable	Conductor type	Linen core impregnated with electrical conducting mater		
	Insulation type	Rubber with neoprene jacket		
	Spark plug protector	Hypalon jacket		

ELECTRICAL—SUPPRESSION

Locations & type	Non-Metallic High Tension Ignition Cables
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MODEL 54-56-5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		5800, gage; 54-5600, tell-tale lamp
Temperature indicator—type		5800, gage; 54-5600, tell-tale lamp
Oil pressure indicator—type		5800, gage; 54-5600, tell-tale lamp
Fuel indicator—type		Gage
Other		Clock, tachometer, cigarette lighter
Ignition switch	Identify positions in order and circuits controlled	<p style="margin-left: 20px;">ACC-Accessories LOCK-Off, locked OFF - Off, unlocked ON - Ignition, batt., access. START-Starter (spring return to ON)</p>
	Provision for illumination	Instrument lamps
	Location	Right of steering column on instrument cluster
Main lighting switch	Identify positions and lamps controlled	<p>In-Off 1st position out - instru. panel, park., tail and lic. lamps. 2nd position out - Same as "1st" except headlamps instead of "Park". CW rotation of knob-instru. panel lamps, dim to off. CCW rotation of knob- instru. panel lamps, off to bright; full CCW rotation, dome lamps and/or courtesy lamps, on.</p>
Other light switches	Locations and lamps controlled	<p>Toe panel - dimmer switch, Park. br. lever-Park br. alarm. Glove compt. - Gl. compt. lamp. Frt. Dr. hinge pillars - Dome and court. lamps. Steering column - direct. sig. indicators and lamps Brake pedal pendent - stop lamps. Steering mast jacket - back up lamps</p>
Other switches	Locations and devices controlled	<p>Rt. of steer. col., below instru. panel - overdrive. Rt. of steer. col., base of instru. panel- heater controls Doors or qtr. trim panels - power windows. Rt. side of instru. cluster - radio. Lt. side of instru. cluster - W/S wipers. Lt. of steer. col., below instru. panel-tailgate window motor. Steer. column - trans. neutral safety switch. Lt. side of frt. seat lower panel - power seats Lt. side of steer. column, below instru. panel - power top. W/S washer - w/s wiper switch.</p>
Windshield wiper	Make	Delco-
	Type	Electric; single-speed
	Vacuum booster provision	None
	Washer provision	DIA except with 2-speed washer
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	8.00-11.0 @ 12.5V

Optional equipment: tachometer; clock, 5400; glove compt. lamp 5400; door jam switches for dome lamp, 5400; courtesy lamps except convertibles; back up lamps except 56 & 5800; parking brake alarm; power windows; power seats; radio; tailgate window motor; automatic transmission; power top; two-speed W/S wiper (includes washer); W/S washer (for single-speed).

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-63	REVISED (e)
MODEL 54-56-5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)	

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 5, dual headlight 2-4001, 2-4002.

Headlamps & arrangement	Dual, horizontal: Outer, 2-4002 ; Inner 2-4001		
Headlamp beam indicator	1-1895		
Parking	2-1157		
Tail	2-1157		
Stop	2-1157		
Direction signal	Front	2-1157	
	Rear	2-1157	
	Indicator	2-1895	
License Plate	2-1155		
Oil pressure indicator	1-1895 except 5800, gage by instrument lamps		
Charge indicator	1-1895 except 5800, gage by instrument lamps		
Instrument	54 & 5600, 4-1895; 5800, 6-1895		
Clock	"Instrument" lamps (a)		
Radio	1-1893	Optional	

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

Ignition lock	"Instrument" lamps		
Back up	2-1156 (b)		
Dome (except convertibles)	1-211	Reg. prod.	
Glove compartment	1-1895 (c)		
Pkgs. brake signal	1-257	Optional	
Luggage compartment (except wagons)	1-1003	Optional	
Underhood	1-93	Optional	
Courtesy	Instru. panel, 2-631(d); seat separator, 1-211 (e)		
Map Ash tray	1-1445	Optional	
Auto. trans. indicator dial	Except 5800, 1-1445; 5800, 1-1895		Optional
Tachometer	"Instrument" lamps		Optional
Traffic hazard indicator	1-1445	Optional	
Spot lamps	Inside operated, 1-4405; Portable, 1-4416		Optional

- (a) Optional on 5400. On 56 and 5800 with tachometer, clock illuminated with 1-1895.
- (b) Optional on 5400, and 56 and 5800 except wagons.
- (c) Optional on 5400.
- (d) Optional except convertibles.
- (e) Available only on 5800 with 4-speed or automatic transmission.

Regular production lamps (continued)

Heater controls	1-1895
Temperature indicators	54 and 5600, 1-1895; 5800, gage by "instru." lamps
Fuel gage	"Instrument" lamps

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** (a)

	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L74)
MODEL 54-56-5800			

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	15 C. B. --- (a)	Traf. hazard ind.	(b)
Headlamp beam indicator	(a)	Heater	AGC 10; with A. C.
Parking lamp	(a)		AGC 30 (f)
Tail lamp	AGC 15 (b)	Air conditioning	
Stop lamp	(b)	Blower motor	AGC 30 (in line)
Direction indicator	(c)	Circuit	AGC 30 (f)
License plate lamp	(b)	Defogging unit	(f)
Instrument lamp	(c)	W/S wiper (2-speed)	
Ignition lamp	--	Motor	14 C. B. (switch)
Back up lamp	AGC 10 (d)	Circuit	(g)
Dome lamp	(b)	Spotlamp	(b)
Clock	(b)	Courtesy lamps	
Clock lamp	---with tach. (c)	Instru. panel	(b)
Radio	AGC 2.5 (e)	Seat separator	(b)
Glove compartment lamp	(b)	Fuel gage	(d)
Cig. lighter	(b)	Folding top motor	40 C. B. (hinge pillar)
W/S wiper (single speed)	SAE 20 (g)	Power seats	40 C. B. (hinge pillar)
Park. brake alarm	(d)	Power windows	40 C. B. (hinge pillar)
Gen. temp. & oil indicators	(d)	Tailgate motor	40 C. B. (hinge pillar)
Tachometer	(d)	Overdrive solenoid	AGC 15 (in line)
Heater control lamp	(c)		
Auto. trans. dial indicator	(c)		
Underhood lamp	SAE 4 (in line)		
Lugs. compt. lamp	(b)		
Ashtray lamp	(c)		

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	29.3 (27.9 on wagons)	
		Highest	29.3 (27.9 on wagons)	
	Stop		29.3 (27.9 on wagons)	
	Backup		24.1 (24.9 on wagons)	
	License, rear		18.1 (18.6 on wagons)	
	Directional	Front		16.9 (17.4 on wagons)
		Rear		29.3 (27.9 on wagons)
	Headlamp	Inside		26.9 (27.4 on wagons)
		Outside*		26.9 (27.4 on wagons)
	Distance from C/L of car to center of bulb	Tail	Inside	30.1 (32.4 on wagons)
Outside			30.1 (32.4 on wagons)	
Stop			30.1 (32.4 on wagons)	
Backup			30.1 (32.4 on wagons)	
License, rear			7.2	
Directional		Front		25.8
		Rear		30.1 (32.4 on wagons)
Headlamp		Inside		23.0
		Outside*		29.4

* If single headlamps are used enter here.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-63	REVISED (*)
MODEL 54-56-5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disk, centrifugal		
Type pressure plate springs	Diaphragm, bent finger design		
Effective plate pressure (lb.)	2100-2300		
No. of clutch driven discs	1 with 2 friction surfaces		
Clutch facing	Material	Premium woven asbestos	
	Outside & inside dia.	10.4, 6.5	
	Total eff. area (sq.in.)	103.5	
	Thickness	.135 ea., unloaded	
	Engagement cushioning method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-Spd std, 4-Spd, opt.	4-Speed, opt.
Manual with overdrive (std. or opt.)	Not offered	
Automatic (std. or opt.)	Optional	Not offered

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	3-speed	4-speed	
Transmission ratios	In first	2.58	
	In second	1.48	
	In third	1.0	
	In fourth	--	
	In reverse	2.58	
Synchronous meshing, specify gears	2nd and 3rd	All forward gears	
Shift lever location	Steering column	Floor	
Lubricant	Capacity (pt.)	2	
	Type recommended	Military specification MIL-L-2105-B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
Extreme cold		SAE 80	

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-63	REVISED ^(a)
MODEL 54-56-5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE Not offered

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		
	Manual lockout (yes, no)		
	Downshift accelerator control (yes, no)		
	Minimum cut-in speed		
	Gear ratio		
Lu- bri- cant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE vis- cosity number	Summer	
Winter			
Ext. cold			

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide	Not offered
Type describe	Torque converter with planetary gears ⁷	
Method of Selection (Lever, Push Button or other)	Lever (steering column except floor mounted on 5800)	
Selector Pattern	P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position	D - 1.76:1 and 1:1 L and R - 1.76:1	
Max. upshift speeds—drive range		---
Max. kickdown speeds—drive range		---
Torque converter	Number of elements	3
	Max. ratio at stall	2.10:1
	Type of cooling (air, water)	Water
Lubricant	Capacity—refill (pt.)	3
	Type recommended	Type A, suffix A
Special transmission features		

DRIVE UNITS—PROPELLER SHAFT

Number used	One	
Type (exposed, torque tube)	Tubular, exposed	
Outer diameter x length* x wall thickness	Manual transmission	3-and 4-speed; 3.25 x 60.137 x .065
	Overdrive transmission	---
	Automatic transmission	Same as manual

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

AMA Specifications - Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)
 MODEL 54-56-5800 327 in³ displacement engines -
 250 HP, 300 HP and 365 HP

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Universal joints	Make	Chevrolet
	Number used	2
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

DRIVE UNITS—REAR AXLE

Description (see instructions)	Reg. prod. - semi-floating; integral rear beam consisting of cast iron diff. carrier and pressed-in tubular axle shaft housings			
Limited Slip differential, type	Regular production with dual disk clutches			
Drive Pinion Offset	1.5			
No. of differential pinions	2			
Gear ratios (Std. equip.)	Manual transmission	3-and 4-speed	3.36	
	Overdrive transmission	---		
	Automatic transmission	250 HP, 3.08:1; 300 HP, 3.36:1		
Ring gear O.D. (std. ratio)	8.125			
Pinion adjustment (shim, other)	Shim			
Pinion bearing adj. (shim, other)	None			
Wheel bearing type	Single row cylindrical roller			
Lubricant	Capacity (pt.)	3.5		
	Type recommended	Military Specification MIL-L-2105-B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
		Extreme cold	SAE 80	

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	3.08:1	3.36:1	
No. of teeth	Pinion	12	11
	Ring gear	37	

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED ^(*)

MODEL 54-56-5800 327 in.³ displacement engines –
250 HP, 300 HP and 365 HP

DRIVE UNITS—WHEELS

Type & material		Short spoke disk, steel
Rim (size and flange type)	Std.	14 x 5J
	Opt.	— — —
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 hex nuts, 7/16-20 UNF-2B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.00 x 14-4 PR
	Type - Nylon, etc.	Rayon, tubeless, blackwall
Rev./mile at 50 mph.		1817
Inflation press. (cold)	Front	24
	Rear	24 except wagons 28
Optional tires - size and ply	7.00 x 14-4 PR, hyway, rayon, whitewall; 7.50 x 14-4 PR(*), hyway, nylon, blackwall; 7.50 x 14-4 PR(*), hyway, nylon, whitewall; 7.50 x 14-4 PR, hyway, rayon, whitewall; 7.50 x 14-6 PR(**), hyway, rayon, blackwall; 7.50 x 14-4 PR, hyway, rayon, blackwall	

BRAKES—SERVICE

		Regular production	Metallic
Type (duo-servo, disc, balanced, etc.)		Duo-servo, 4-wheel hydraulic, reverse self-adjusting	
Self adjusting (std., opt., N.A.)		Standard	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)			
Effective area (sq. in.)*		170.8	118.1
Gross lining area (sq. in.)**		170.8	118.1
Swept drum area (sq. in.)***		228.6	
Percent brake effectiveness—front		59.5	
Drum	Diameter	9.5	
		Front	Rear
	Type and material	Composite; rim, cast iron; web, steel	
Wheel cylinder bore	Front	1.06	
	Rear	.875	
Master cylinder bore		1.0	.875
Available pedal travel		6.70	
Line pressure at 100 lb. pedal load			
Shoe clearance adjustment		Self adjusting	

(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.

(*) - Items indicated "*" 4 ply construction.

(**) - Items indicated "**" 6 ply construction.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)
 MODEL 54-56-5800 327 in.³ displacement engines —
 250 HP, 300 HP, 365 HP

BRAKES—SERVICE (cont.)			Regular Production	Metallic	
Brake lining	Bonded or riveted		Bonded		
	Front Shoe	Material	Molded asbestos		
		Size (length x width x thickness)	Front wheel	8.96 x 2.50 x .17	1.64 x 1.25 x .175
			Rear wheel	8.96 x 2.00 x .17	1.64 x 1.00 x .175
		Segments per shoe		1	6
	Rear Shoe	Material	Molded asbestos		
		Size (length x width x thickness)	Front wheel	10.24 x 2.50 x .20	1.64 x 1.25 x .295
			Rear wheel	9.75 x 2.00 x .20	1.64 x 1.00 x .295
		Segments per shoe		1	10

BRAKES—PARKING

Type of control	Pulley-cable linkage; Foot pedal apply; handle release	
Location of control	Below instrument panel, left of steering column	
Operates on	Rear service brakes	
If separate from service brakes	Type (internal or external)	---
	Drum diameter	---
	Lining size (length x width x thickness)	---

FRAME or UNITIZED CONSTRUCTION

Type and description	All welded full length, ladder type with 3 structural cross-members and 1 non-structural crossmember for engine rear mount
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SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Geometry of rear suspension	
Special provisions for car jacking	Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking	
Shock absorber front & rear	Type	Direct, double-acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features	Driveline alignment achieved with cam-bolts at rear suspension upper control arm rear pivots	

SUSPENSION—FRONT

Type and description	Independent- SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel.
----------------------	--------------------------------------------------------------------------------------------------------------------------------

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

Normal operating pressures
 spring rates
 leveling data

(Continued)

AMA Specifications – Passenger Cars

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** (*)
MODEL 54-56-5800 327 in.³ displacement engines –
 250 HP, 300 HP, 365 HP

SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D.; bar length x dia.)	10.51 and ; x .619
	Spring rate (lb. per in.)	290
	Rate at wheel (lb. per in.)	104
	Design load (lb. @ design height)	1660 @ 10.51
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel .812

STEERING

Manual (std., opt., NA)		Standard	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Seven position tilt type with 5 inch vertical travel	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	16.5	
	Power	16.5	
Turning diameter	Outside front	Wall to wall (l. & r.)	44.7
		Curb to curb (l. & r.)	41.9
	Inside rear	Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	26.6
Outside wheel angle with inside wheel at 20°		18.41°	
Manual	Gear	Type	Semi-reversible, recirculating ball nut with rag coupling for jointing steering shaft
		Make	Saginaw
		Ratios	Gear 24.0:1 Overall 28.0:1
	No. wheel turns		5.48 Lock to lock
	Type (coaxial, linkage, etc.)		Hydraulic: Control valve integral & coaxial with steering gear
Power	Make		Saginaw
	Gear	Type	Same as Manual
		Ratios	Gear 17.5:1 Overall 20.4:1
		Pump driven by	
	Number wheel turns		3.98 Lock to lock
	Linkage	Type	
Location (front or rear of wheels, other)		Front of wheels	
Drag link (trans. or longit.)		None	
Tie rods (one or two)		2	

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-64 REVISED (a)
MODEL 54-56-5800	327 in. ³ displacement engines – 250 HP, 300 HP, 365 HP	

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		7-1/2 to 8-1/2
	Bearings (type)	Upper	Ball stud with non-metallic bearing surface
		Lower	Ball stud with non-metallic bearing surface
	Thrust	None required	
Wheel alignment (range and preferred)	Caster (deg.)		Positive 10 <u>minutes</u> to positive 70 <u>minutes</u> (curb)
	Camber (deg.)		Negative 13 <u>minutes</u> to positive 47 <u>minutes</u> (curb)
	Toe-in (outside tread-inches)		0 to 1/8 total (curb)
Steering spindle & joint type			Forging with pad for mounting brake cylinder, spherical
Wheel spindle	Diameter	Inner bearing	1.2493-1.2498
		Outer bearing	.7492-.7497
	Thread size		3/4-20 NEF 3 (modified)
	Bearing type		Taper roller

SUSPENSION—REAR

Type and description			4-link system; two upper and two lower control arms	
Drive and torq. taken through (see page 17)			Control arms	
Spring	Type		Coil	
	Material		Steel alloy	
	Size (length x width, coil design height and I.D.; bar length & dia.)		7.18 and ; x .536	
	Spring rate (lb. per in.)		115	
	Rate at wheel (lb. per in.)		110.5	
	Design load (lb. at design height)		755 @ 7.18	
	Mounting insulation type		None	
	If leaf	No. of leaves		--
		Inserts	Type and size	--
			Material	--
Shackle (comp. or tens.)		--		
Stabilizer	Type (link, linkless, frameless)		None	
	Material		None	
Track bar type			None	

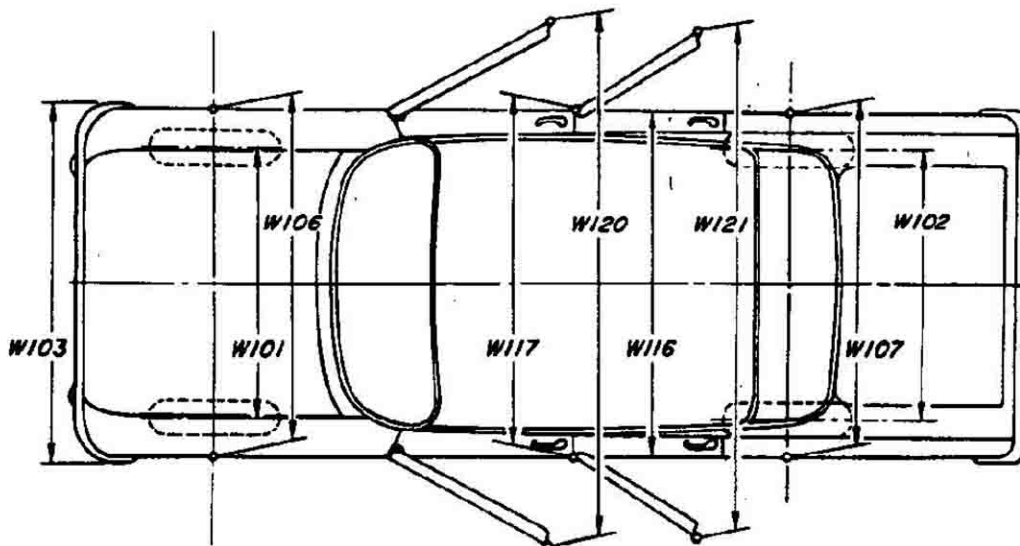
AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** (*)
54-56-5800 **CAR AND BODY DIMENSIONS—GENERAL**

Dimensions herein are those adopted by the Society of Automotive Engineers. Brief descriptions of these dimensions are listed on pages 34-36. Complete definitions are listed in section E-1 of the SAE Aeronautical - Automotive Drawing Standards. 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 D Point is the point of tangency of a horizontal line and the lowest point of the manikin.
8. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

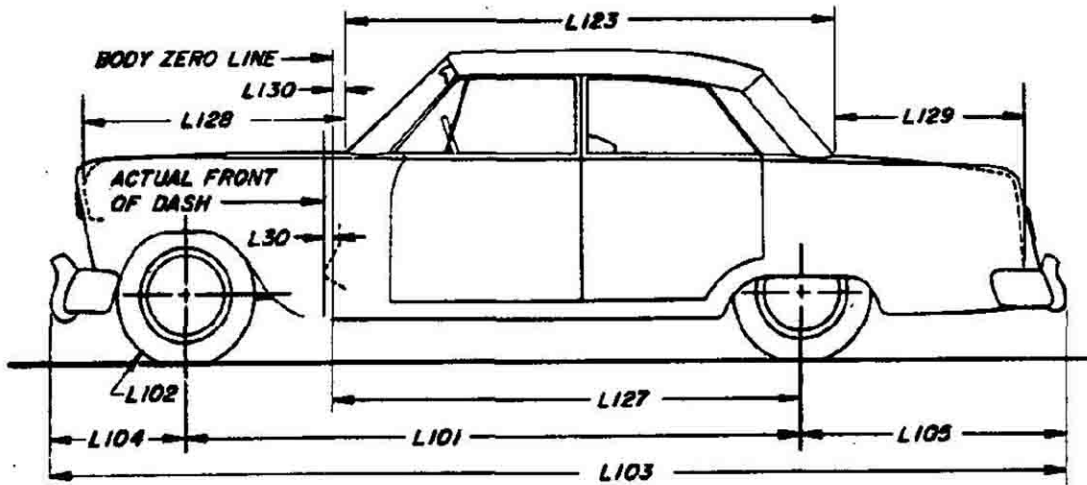
EXTERIOR WIDTH DIMENSIONS



MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Tread - front	W101				58.0			
Tread - rear	W102				58.0			
Maximum overall car width	W103				73.2			
Maximum overall body width	W116				74.0			
Maximum body width at #2 pillar	W117	--	71.8		--	71.8	--	
Front fender overall width	W106				72.4			
Rear fender overall width	W107				73.8			
Maximum overall car width - front doors open	W120	151.5	133.9		151.5	133.9		151.5
Maximum overall car width - rear doors open	W121	--	133.9		--	133.9	--	

AMA Specifications – Passenger Car

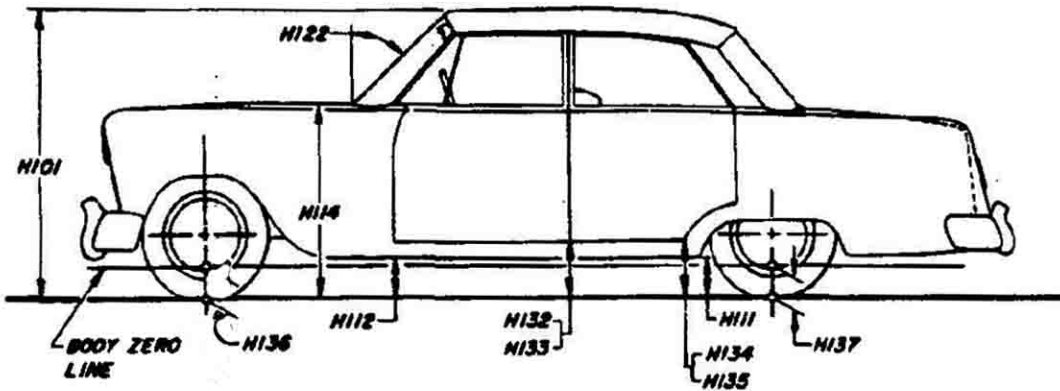
MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(*) _____
EXTERIOR LENGTH DIMENSIONS 54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Body zero line to actual front of dash	L30	. 0						
Wheelbase	L101	115. 0						
Overhang - front	L104	30. 9						
Overhang - rear	L105	48. 0			52. 9		53. 0	
Overall length	L103	193. 9				198. 8		
Hood length at car centerline	L128	50. 4						
Body upper structure length at car centerline	L123	96. 4	93. 2		92. 2	132. 7		--
Deck length at car centerline	L129	38. 1	41. 4		42. 3			
Body zero line to centerline of rear wheels	L127	85. 0						
Body zero line to windshield cowl point	L130	10. 7						
Tire size	L102	Refer to Page 18						

AMA Specifications— Passenger Car

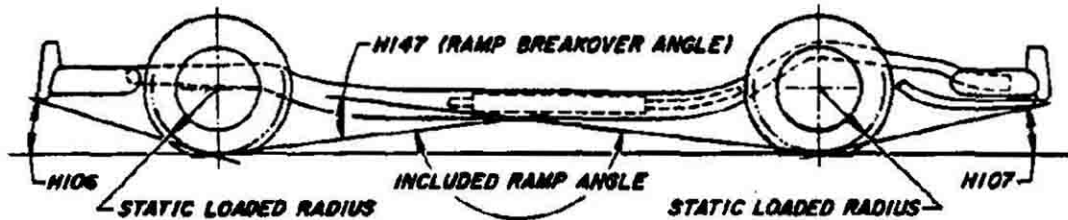
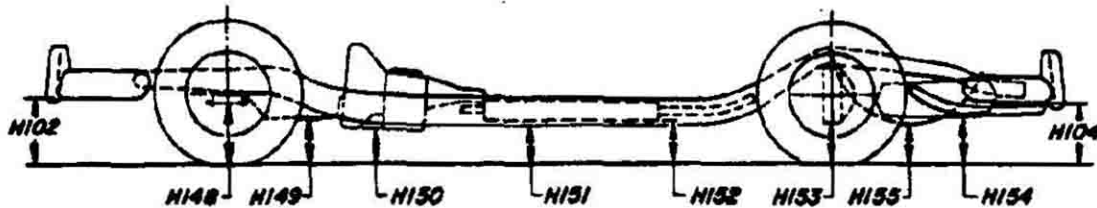
MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** (a)
EXTERIOR HEIGHT DIMENSIONS 54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Overall height	H101	54.5			54.0	54.1		
Hood at rear to ground	H114				31.9			
Rocker panel to ground - front	H112				8.8			
Rocker panel to ground - rear	H111				8.1			--
Bottom of door to ground, open - front	H132				11.4			
Bottom of door to ground, closed - front	H133				11.1			
Bottom of door to ground, open - rear	H134	--	10.8		--	10.8		--
Bottom of door to ground, closed - rear	H135	--	11.0		--	11.0		--
Windshield slope angle	H122				48.8°			
Body zero to ground - front	H136				5.0			
Body zero to ground - rear	H137				5.0			

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED()
GROUND CLEARANCE DIMENSIONS 54-56-5800

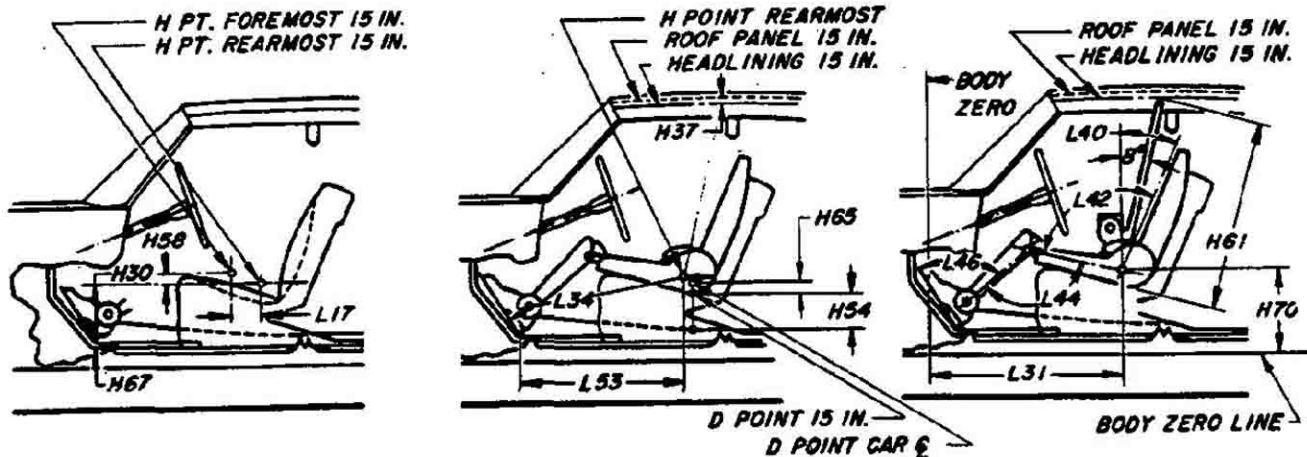


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Front bumper to ground	H102	13.5		13.4		12.7		
Rear bumper to ground	H104			13.5		10.3		
Angle of approach	H106			29.1°		30.0°		30°
Angle of departure	H107	15.6°		16.3°		12.4°		12°
Ramp breakover angle	H147			13°				
Front suspension to ground	H148			6.3		6.8		6.3
Oil pan to ground	H149			6.7		7.2		6.7
Flywheel housing to ground	H150			6.6		7.1		6.6
Frame structure to ground	H151			6.9		7.4		6.9
Exhaust system to ground	H152			6.0		6.5		6.0
Rear axle differential to ground	H153			7.0		7.5		7.0
Fuel tank to ground	H154			8.6		7.9		8.6
Spare tire well to ground	H155							
Minimum running ground clearance	H156			6.0		6.5		6.0

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)

FRONT COMPARTMENT DIMENSIONS 54-56-5800



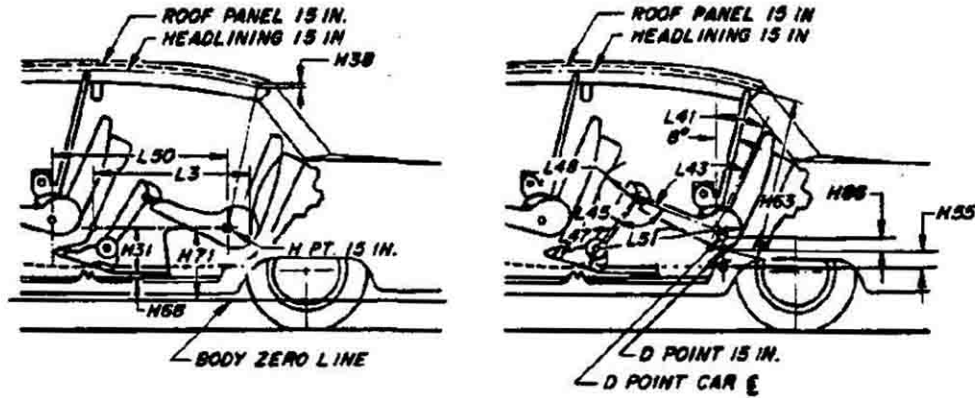
MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	Pickup
H Point to body zero line	L31	42.1		42.0	41.9	42.0	41.9	42.1		41.9
H Point to body zero line - front	H70	19.3		19.3	18.8	19.3	19.2	19.8		19.3
Effective head room	H61	38.6		38.1	37.9	38.7	38.6	38.2		38.7
Headlining to roof height	H37	.6		.5		-		.9		.7
Maximum effective leg room - accelerator	L34	42.0		41.9	41.8	41.9	41.8	42.1		41.8
H Point to heel point	H30	8.3		8.2				8.3		8.0
Depressed floor covering thickness	H67	.2		.3	.5	.3	.5	.5		.2
Back angle	L40	26°		27°				26°		25°
Hip angle	L42	98°		97°				98°		95.5°
Knee angle	L44	129°		128°				130°		127°
Foot angle	L46	88°		87°				89°		87°
D Point differential, side to center	H65	.2		-				.2		.1
D Point to tunnel	H54	1.7		-	1.7	-		1.7		1.4
H Point to accelerator floor point	L53	34.4		34.2				34.4		34.1
H Point travel	L17			4.0						3.4
H Point rise	H58			.6						.5

(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)

REAR COMPARTMENT DIMENSIONS 54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point couple distance	L50	33.6		31.5	31.6	31.5	31.6	33.6		--
H Point to body zero line - rear	H71	19.2		19.0	18.8	19.0		19.8		--
Effective head room	H63	37.3		36.7	36.7	36.8	36.8	38.4		--
Headlining to roof height	H38	.6		.7	-	.7	-	.8		--
Minimum effective leg room	L51	35.9	36.3	33.3	33.2	33.3	33.2	36.1		--
H Point to heel point	H31	10.8		10.4				10.8		--
Depressed floor covering thickness	H68	.4								
Minimum knee room	L48	3.6		1.9	1.7	1.9	1.7	3.6		--
Rear compartment room	L3	27.4		25.3	25.1	25.1	24.9	27.2		--
Back angle	L41	27°		25°		24°		27°		--
Hip angle	L43	88°		81.0°	81.5°	79.5°	80.0°	88°		--
Knee angle	L45	94°	96°	82°				95°		--
Foot angle	L47	116°	117°	109°				116°		--
D Point differential, side to center	H66	.7		1.2		1.0		.8		--
D Point to tunnel	H55	1.9		1.7		1.5		1.9		---

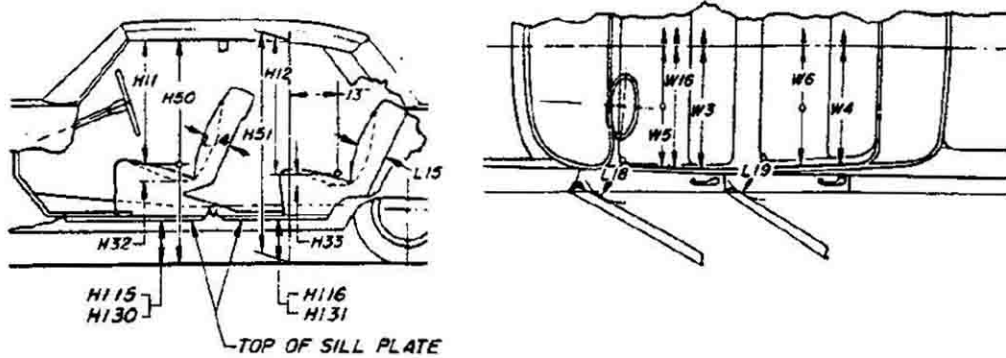
(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)

SEAT AND ENTRANCE DIMENSIONS

54-56-5800



	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
Shoulder room - front	W3	58.8								
Hip room - front	W5	59.9								
Seat width - front	W16	53.8		23.3	53.8	23.3	53.8			
Upper body opening to ground - front	H50	NA								
Entrance height - front	H11	29.9	30.4	30.2	30.4	30.3	29.9	29.9		
Step height - front (design load)	H115	13.3	13.2				12.9			
Step height - front (curb load)	H130	15.3	15.2				15.8			
Entrance foot clearance - front	L18	15.1		14.8	15.1	14.8	14.9			
Seat cushion deflection - front	H32	4.2	4.4	4.3	4.4	4.3	4.4	4.3		
Seat back thickness - front	L14	5.9		6.4	5.9	6.4	5.9			
Shoulder room - rear	W4	57.4	58.8	56.8	45.6		57.4	58.8	--	
Hip room - rear	W6	58.7	59.8	58.7	48.6		58.7	59.8	--	
Upper body opening to ground - rear	H51	NA								
Entrance height - rear	H12	--	29.4	--				29.7	--	
Step height - rear (design load)	H116	--	13.1	--				13.0	--	
Step height - rear (curb load)	H131	--	15.1	--				15.0	--	
Entrance foot clearance - rear	L19	11.5	11.7	10.6	10.7		11.5	11.7	--	
Seat cushion deflection - rear	H33	4.4		4.8			4.4		--	
Seat back thickness - rear	L15	6.4		6.1	7.0		6.1		--	

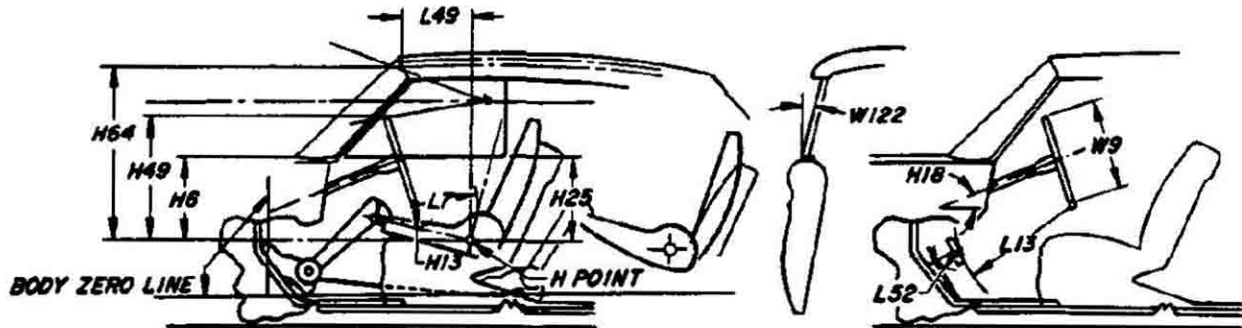
(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)

VISION AND CONTROL DIMENSIONS

54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point to windshield bottom DLO	H6	18.8		18.7	18.8	18.7	18.8	19.1		
H Point to windshield upper DLO	H64	30.9		30.7	31.0	30.9	30.9	31.2		
H Point to windshield upper DLO	L49	14.5	14.4	14.3	14.4	14.2	14.5	14.4		
Belt height - front	H25	17.1		17.0	17.1	17.0	17.1	17.4		
Steering wheel center to centerline of car	W7	15.2								
Steering wheel maximum outside diameter	W9	16.5								
Steering column angle - horizontal	H18	19.5°								
H Point to top of steering wheel	H49	23.2	23.1	23.0	23.1	23.0	23.1	23.4		
Steering wheel torso clearance	L7	11.1		11.0	11.1	11.0	11.4	11.2		
Steering wheel thigh clearance	H13	4.3	4.2	4.0	4.2	4.0	4.0	4.3		
Brake pedal knee clearance	L13	24.4								
Brake pedal to accelerator	L52	4.8	4.4	4.5	4.4	4.5	4.4	4.4		
Tumble-home	W122	18.0°						17.8°	18°	

(a) Bench seat; (b) bucket seat

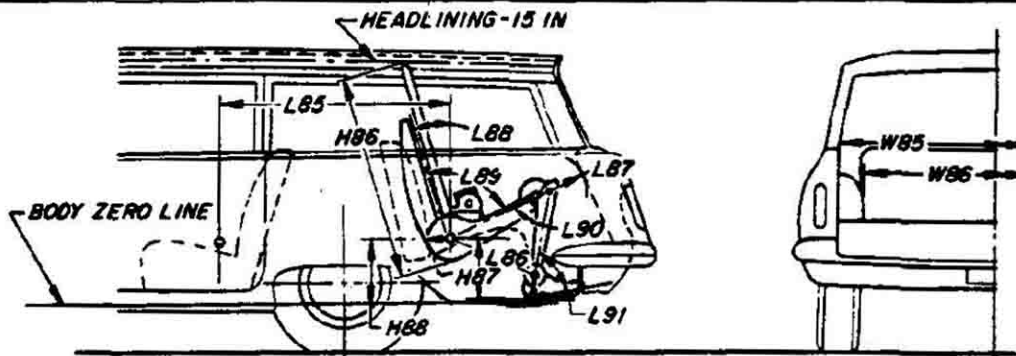
AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (e)

LUGGAGE COMPARTMENT 54-56-5800

MODEL	Ref. No.	Sedans	Sport Coupe	Convertible	Station Wagon	Sedan Pickup
Usable luggage capacity (See Instructions)		16.9 cu. ft.				
Liftover height	H195	22.8			18.3	
Position of spare tire storage		Horizontal, to right rear of trunk floor			R.r.r. quarter	Back of frt. seat
Method of holding lid open		Torsion bars, counterbalanced				

THIRD SEAT DIMENSIONS



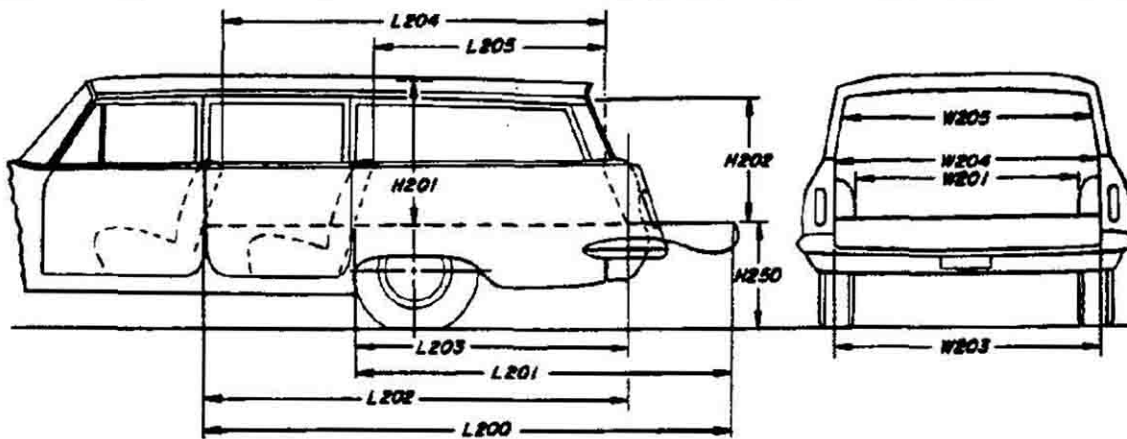
MODEL	Ref. No.	
		5645
Seat facing direction		Rearward
Shoulder room	W85	57.9
Hip room	W86	36.7
H Point couple distance	L85	39.6
H Point to body zero line - third seat	H88	NA
Effective head room	H86	35.9
Effective leg room	L86	30.8
H Point to heel point	H87	12.4
Knee room	L87	10.1
Back angle	L88	28°
Hip angle	L89	87°
Knee angle	L90	72°
Foot angle	L91	103°

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MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED^(a)

STATION WAGON—CARGO SPACE DIMENSIONS 54-56-5800



MODEL	Ref. No.	2-Seat	3-Seat
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	116.6	
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	83.6	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	92.1	
Floor length from back of second seat at floor level to inside of closed tail gate	L203	59.1	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	80.8	
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	46.5	
Maximum width of cargo space at floor - specify location	W200	58.6	
Minimum distance between wheel houses at floor level	W201	44.4	
Rear end opening width at floor	W203	55.3	
Rear end opening width at belt	W204	53.0	
Maximum width of rear opening above belt	W205	45.7	
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.3	
Maximum height of rear opening - tail and lift gates open	H202	28.5	
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	20.4	
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		Hinged tailgate with folding link supports and manual retractable rear window (a)	
Cargo volume Index (cu. ft.) W4 x L204 x H201 1728		86.0	

(a) Electrically operated rear window on 3-seat wagon, standard equipment; optional on 2-seat wagons.

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MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED	(a)	
MODEL	54-56-5800	Sedans		Sport	Convertible	Station Wagon		Sedan
		2-Dr	4-Dr	Coupe		2-Dr	4-Dr	Pickup

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front						
	Rear doors	Front						
Type of finish (lacquer, enamel, other)		Acrylic lacquer						
Hood counterbalanced (yes, no)		Yes						
Hood release control (internal, external)		External						
Vehicle (Serial) No. Location		Left front body hinge pillar						
Engine No. Location		8-cyl - on top front of RH bank of cylinder and case						
Theft protection - type		Friction Pivot						
Vent window control method (crank, friction pivot)	Front	Friction Pivot						
	Rear	None						
Seat cushion type	Front	Formed wire and foam pad						
	Rear	Formed wire and jute and cotton						
	3rd seat	Formed wire and jute and cotton						
Seat back type	Front	Formed wire and cotton (a)						
	Rear	Formed wire and cotton						
	3rd seat	Formed wire and cotton						
Windshield glass type (i.e., single curved - laminated plate)		One piece curved						
Backlight glass type (i.e., compound curved - tempered plate, three piece)		One piece curved	Plastic	One piece curved				
Side glass type (i.e., curved - tempered plate)		Curved						
Side glass exposed surface area		1406.9	1356.2	1395.6	1281.4	2529.6	2560.6	839.2
Windshield glass exposed surface area		1107.1						
Backlight glass exposed surface area		1032.3	897.7	786.2	768.4	665.2		
Total glass exposed surface area		3446.3	3495.6	3400.4	3174.7	4415.1	4436.1	2611.5

BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	Optional					
	Vent Windows	NA					
	Backlight or tailgate	Standard on 3 seat wagon, optional on 2 seat					
Power seats (specify type as well as availability)		4 way electric optional, (b)					
Reclining front seat back		NA					
Front seat headrest		NA					
Radios (specify type as well as availability)		Manual, push button optional					
Rear seat speaker		Optional					
Power Antenna		NA					
Clock		Standard on 56-5800; optional on 5400					
Air Conditioner (specify type and availability)		All-weather, Deluxe, optional					

(a) 1" Polyfoam on Malibu Super Sport.

(b) Not available on Malibu Super Sport models.

DIMENSION DEFINITIONS

- W3** SHOULDER ROOM - FRONT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W4** SHOULDER ROOM - REAR. Measured in the same manner as W3.
- W5** HIP ROOM - FRONT. The lateral dimension through H Point to trimmed surfaces.
- W6** HIP ROOM - REAR. Measured in the same manner as W5.
- 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.
- W16** SEAT WIDTH - FRONT. The maximum trimmed width of front seat cushion.
- W85** SHOULDER ROOM - THIRD SEAT. Measured in the same manner as W3.
- W86** HIP ROOM - THIRD SEAT. Measured in the same manner as W5.
- 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.
- W120** MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN. Measured with front doors in maximum hold-open position.
- W121** MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Measured in same manner as W120.
- W122** 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.
- L7** 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.
- L17** 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.
- L31** H POINT TO BODY ZERO LINE - FRONT. Horizontal dimension.
- L34** 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.
- L40** BACK ANGLE - FRONT. The angle between a vertical line through the H Point and the Torso Line.
- L41** BACK ANGLE - REAR. Measured in the same manner as L40.
- L42** HIP ANGLE - FRONT. The angle between Torso Line and a line extending from knee pivot center to H Point.
- L43** HIP ANGLE - REAR. Measured in the same manner as L42.
- L44** 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.
- L45** KNEE ANGLE - REAR. Measured in the same manner as L44.
- L46** 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.
- L47** FOOT ANGLE - REAR. Measured in the same manner as L46.
- L48** MINIMUM KNEE ROOM - REAR. The minimum dimension from the knee pivot center to the back of front seat back.
- L49** 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 M64) with body upper structure.

DIMENSION DEFINITIONS (cont.)

- L50 H POINT COUPLE DISTANCE.** The horizontal dimension from the front seat H Point to the rear seat H Point.
- L51 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.
- L52 BRAKE PEDAL TO ACCELERATOR.** The minimum dimension from center of brake pedal face to accelerator. Measured in the side view.
- L53 H POINT TO ACCELERATOR FLOOR POINT.** The horizontal dimension from intersection of accelerator and depressed floor covering to the H Point.
- L85 H POINT COUPLE DISTANCE - THIRD SEAT.** The horizontal dimension from the second seat H Point to the third seat H Point.
- L86 EFFECTIVE LEG ROOM - THIRD SEAT.** Measured in the same manner as L51. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- L87 KNEE ROOM - THIRD SEAT.** Measured in the same manner as L48. With rear-facing third seat, dimension is measured to rear closure.
- L88 BACK ANGLE - THIRD SEAT.** Measured in the same manner as L49.
- L89 HIP ANGLE - THIRD SEAT.** Measured in the same manner as L42.
- L90 KNEE ANGLE - THIRD SEAT.** Measured in the same manner as L44.
- L91 FOOT ANGLE - THIRD SEAT.** Measured in the same manner as L46.
- 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.
- L128 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.
- L129 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.
- L130 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.
- H6 H POINT TO WINDSHIELD BOTTOM DLO.** Vertical dimension.
- H11 ENTRANCE HEIGHT - FRONT.** The vertical dimension from H Point to upper trimmed body opening.
- H12 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.
- H13 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.
- H25 BELT HEIGHT - FRONT.** The vertical dimension from H Point to bottom of side window DLO.
- H30 H POINT TO HEEL POINT - FRONT.** The vertical dimension from the H Point to the manikin accelerator heel point on the depressed floor covering.
- H31 H POINT TO HEEL POINT - REAR.** The vertical dimension from the H Point to the manikin heel point on the depressed floor covering.
- H32 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.
- H33 SEAT CUSHION DEFLECTION - REAR.** Measured in the same manner as H32.
- 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.
- H49 H POINT TO TOP OF STEERING WHEEL.** The vertical dimension from the H Point to top of steering wheel, in straight-ahead position.
- H50 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.
- H51 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.

DIMENSION DEFINITIONS (cont.)

- H54 D POINT TO TUNNEL - FRONT.** The vertical dimension from the D Point, at car centerline, to top of tunnel.
- H55 D POINT TO TUNNEL - REAR.** Measured same manner as H54.
- H58 H POINT RISE.** The vertical dimension between the H Point in the most forward and rearward seat position.
- H61 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.
- H63 EFFECTIVE HEAD ROOM - REAR.** Measured same as H61.
- H64 H POINT TO WINDSHIELD UPPER DLO.** Vertical dimension from H Point to highest horizontal line of vision through windshield at 15 inch section.
- H65 D POINT DIFFERENTIAL, SIDE TO CENTER - FRONT.** Vertical dimension from side occupant to center occupant D Point.
- H66 D POINT DIFFERENTIAL, SIDE TO CENTER - REAR.** Measured in the same manner as H65.
- H67 DEPRESSED FLOOR COVERING THICKNESS - FRONT.** The vertical dimension from manikin accelerator heel point normally to underbody sheet metal immediately below heel point.
- H68 DEPRESSED FLOOR COVERING THICKNESS - REAR.** Measured same as H67.
- H70 H POINT TO BODY ZERO LINE - FRONT.** Vertical dimension.
- H71 H POINT TO BODY ZERO LINE - REAR.** Vertical dimension.
- H86 EFFECTIVE HEAD ROOM - THIRD SEAT.** Measured in the same manner as H61.
- H87 H POINT TO HEEL POINT - THIRD SEAT.** Measured in the same manner as H31.
- H88 H POINT TO BODY ZERO LINE - THIRD SEAT.** Vertical dimension.
- 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.** The angle between the 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 interfering component, excluding license plate.
- H107 ANGLE OF DEPARTURE.** The angle between the 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 interfering component, excluding license plate.
- 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.
- H112 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 same 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.
- H136 BODY ZERO TO GROUND - FRONT.** A vertical dimension measured at front wheel centerline.
- H137 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 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.
- H195 LIFTOVER HEIGHT.** Vertical dimension from luggage compartment lower opening to ground.

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Addendum 1964 Chevelle Engines

Please Note: the regular Chevelle Engine Lineup consisted of 194 and 230 CID I-6 engines, as well as two 283 CID V-8s; 195 and 220 HP. We have this data from the 1964 Chevy II AMA Specifications Sheets and are shown as additional pages here. All other specifications for the chassis, running gear, and body are as included in the 327 CID V-8 Sheets herein.

When we acquire the appropriate sheets we will attach them as a new document.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (e)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (A) (Std. first)	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Gen'l Purpose Std.	Spc'l Purpose or Mt.
From 1964 Chevy II AMA	194 (Std)	1 Bbl Down draft	8.5:1	120	177	Sedans & Coupe 3-Speed	3.08:1	3.55:1
				4400	2400	Powerglide*	3.08:1	---
				4400	2400	Station Wagon 3 Spd & P/Gld*	3.36:1	---
	230 (Opt)	1 Bbl Down draft	8.5:1	155	215	Sedans & Coupe 3-Speed	3.08:1	3.36:1
				4400	2000	Powerglide*	3.08:1	---
				4400	2000	Station Wagons 3 Spd & P/Gld*	3.36:1	---
283 (Opt)	2 Bbl Down draft	9.25:1	195	285	3-Speed	3.08:1	3.36:1	
			4800	2400	4-Speed*	3.08:1	---	
			4800	2400	Powerglide*	3.08:1	---	
From 1965 Chevelle AMA	283*	4-Bbl Down- draft RPO L77	9.25:1	220	295	3-Speed	3.36:1	----
				4800	3200	4-Speed*	3.36:1	----
				4800	3200	Powerglide*	3.36:1	----
				4800	3200	Overdrive*	3.70:1	----
<p>(A) - Positraction options available in 3.08:1, 3.36:1, 3.55:1</p> <p>* - Optional</p> <p>(A) - Positraction options available in 3.08:1, 3.36:1, 3.55:1</p> <p>* - Optional</p>								

From 1964 Chevy II AMA

AMA Specifications— Passenger Car

Page 8

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (*)1-27-64
 . 194 cu. in. 6-cyl. 230 cu. in. 6-cyl. 283 cu. in. V-8

MODEL _____

ENGINE—FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Capacity (gals.)	16	
	Filler location	In left rear quarter panel	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Right side front of engine	
	Pressure range	● 3.50-4.50 PSI	5.25-6.50 PSI
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Metal mesh strainer in gasoline tank	
	Locations	and sintered bronze filter in carburetor inlet	
Carburetor	Choke type	Manual	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air clr. type	Standard Optional	Oil-wetted Polyurethane Paper element

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetor		No. Used and Type	Barrel Size
			Make	Model		
(6 Cyl)	194	3-Speed Powerglide	Rochester Rochester	#7023105 #7023108	One; Single-barrel downdraft	1.560
	230 (Op')	3-Speed Powerglide	Rochester Rochester	#7023003 #7023000	One; Single-barrel downdraft	1.56
(V-8)	283 (Op')	3-Speed 4-Speed Powerglide	Rochester Rochester	#7024101 #7024100	One; Two barrel downdraft	1.44
(V-8)	283 (Op')	3-Speed 4-Speed Powerglide	Rochester Rochester	#7024101 #7024100	One; Two barrel downdraft	1.44
(V-8)	● 283 (Op')	3-Speed 4-Speed Powerglide	Rochester Rochester	7024125 7024126	4 bbl Down-draft	1.44 (P) 1.44 (S)