

AMA Specifications – Passenger Car

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MANUFACTURER Chevrolet Motor Division General Motors Corporation	CAR NAME CHEVROLET	
MAILING ADDRESS Chevrolet Engineering Center Box 7346 North End Station, Detroit 2, Mich.	MODEL YEAR 1962	ISSUED: 10-23-61 REVISED (•)

NOTES:

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturers.
2. **UNLESS OTHERWISE INDICATED:**
 - a. Specifications apply to the standard model without optional equipment. Significant deviations are noted.
 - b. Specifications apply basically to 4-door sedan or equivalent.
 - c. 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.
V-8 Engines –(Part 1 of 2) 283 Cu. In. 170 hp		
Biscayne	1211 1235 1269	2-Door, 6-Passenger Sedan 4-Door, 6-Passenger Station Wagon 4-Door, 6-Passenger Sedan
Bel Air	1611 1635 1637 1645 1669	2-Door, 6-Passenger Sedan 4-Door, 6-Passenger Station Wagon 2-Door, 5-Passenger Sport Coupe 4-Door, 9-Passenger Station Wagon 4-Door, 6-Passenger Sedan
Impala	1835 1839 1845 1847 1867 1869	4-Door, 6-Passenger Station Wagon 4-Door, 6-Passenger Sport Sedan 4-Door, 9-Passenger Station Wagon 2-Door, 5-Passenger Sport Coupe 2-Door, 5-Passenger Convertible 4-Door, 6-Passenger Sedan

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	1200-1600-1800 (V-8) 170 hp engine
Wheelbase (L-101)	23	119.0
Tread	Front (W-101)	60.3
	Rear (W-102)	59.3
Maximum Overall Dimensions	Length (L-103)	209.6
	Width (W-103)	79.0
	Height (H-101)	55.5 (a)
Transmission— (Specify trade name – opt., not available)	Manual	3-Speed Synchromesh
	Overdrive	Optional
	Automatic	Powerglide (Optional)
Con- ventiona Axle ratio	Manual	3.36:1
	Overdrive	3.70:1
	Automatic	3.36:1
Tire size	16	7.50 x 14-4 pr (8.00 x 14-4 pr Wagons) (b)
Engine	Type, no. cyl., valve arr.	90° V-8, OHV
	Fuel system (Carb., other)	6 Carburetor
	Bore and stroke	2 3.875 x 3.00
	Piston displ., cu.in.	2 283.0
	Std. compression ratio	2 8.5:1
	Max. bhp at engine rpm	2 170 @ 4200
	Max. torque at rpm	2 275 @ 2200

- (a) - 55.0 on convertible.
56.0 on station wagon
- (b) - 1200 Series sedans, 7.00 x 14-4 pr.

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MODEL 1200-1600-1800 (V-8) 170 hp engine

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° OHV V-8	
Bore and stroke (nominal)	3.875 x 3.00	
Piston displacement, c.u. in.	283	
Bore spacing (C/L to C/L)	4.4	
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)	8.5:1	
Cylinder Head Material	Cast Iron	
Cylinder Sleeve—Wet, dry, none	None	
Number of mounting points	Front	Two
	Rear	One
Engine installation angle	5° 11' (a)	
Taxable horsepower	Dia. ² x No. Cyl. 2.5	48
Published max. bhp* @ eng. RPM	170 @ 4200	
Published max. torque* (lb. ft. @ RPM)	275 @ 2200	
Recommended fuel regular - premium	Regular	
Idle speed (spec. neutral or drive)	Manual	425-475 RPM
	Automatic	425-475 RPM (in drive)

ENGINE—PISTONS

Material	Cast aluminum alloy
Description and finish	Flat notched head, slipper skirt
Weight (piston only) oz.	20.30

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

(a) 5° with Powerglide and Overdrive

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. First) (a)
	Displ. cu. in.	Carburetor	Compr. Ratio	BPH @ RPM	Torque @ RPM		
12-16-1800 V-8	283	2-Bbl D. D.	8.5:1	170 @ 4200	275 @ 2200	3-Speed Overdrive * Powerglide *	3.36:1 3.70:1 3.36:1

(a) - Positraction option available in same ratio; also in 3.55:1, 4.11:1, 4.56:1, 4.88:1, 5.14:1, 5.43:1

* - Optional

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MODEL 1200-1600-1800 (V-8) 170 hp engine

ENGINE PISTONS (Cont.)

Clearance (limits)	Top land	.035 - .044	
	Skirt	Top	.0006 - .0010 (a)
		Bottom	
Ring groove depth	No. 1 ring	.2153 - .2218	
	No. 2 ring	.2153 - .2218	
	No. 3 ring	.2093 - .2158	
	No. 4 ring	None	

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil Control
	No. 4, oil or comp.	None
Compression	Description - material, type, coating, etc.	Cast alloy iron-thick wall, inside bevel or counter-bore. Coating-upper flash chrome plate and lower wear resistant.
	Width	.0775 - .0780
	Gap	.010 - .020
Oil	Description - material, type, coating, etc.	Multi-piece - (2 rails and one spacer expander) Spacer - Steel Rails - Stainless steel, chrome plated O.D.
	Width	.1930 - .1950 (assembled)
	Gap	.015 - .055
Expanders		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	None
Clearance	In piston	.00015 - .00025	
	In rod	None	
Direction & amount offset in piston	Major thrust side .060		

ENGINE—CONNECTING RODS

Material	Drop forged steel	
Weight (oz.)	20.32	
Length (center to center)	5.699-5.701	
Bearing	Material & Type	Extra-life steel backed babbitt - removable
	Overall length	.807
	Clearance (limits)	.0007 - .0027
	End play	.008 - .014

(a) Measured 2.44" from top of cylinder.

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MODEL 1200-1600-1800 (V-8) 170 hp engine

ENGINE—CRANKSHAFT

Material		Forged steel	
Vibration damper type		None	
End thrust taken by bearing (No.)		5	
Crankshaft end play		.002 - .006	
Main bearing	Material & type	Extra-life steel backed babbitt - removable	
	Clearance	.0008 - .0034	
	Journal dia. and bearing overall length	No. 1	2.3004 x .752
		No. 2	2.3004 x .752
		No. 3	2.3004 x .752
		No. 4	2.3004 x .752
		No. 5	● 2.3004 x 1.177
		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	5	
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	46
		Width	.875
		Pitch	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1 1/2:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	Zero
Timing marks on flywheel, damper, other		Front pulley hub

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MODEL **1200-1600-1800 (V-8) 170 hp engine**

ENGINE—VALVE SYSTEM (cont.)

* Timing	Intake	Opens (°BTC)	33°
		Closes (°ABC)	102°
		Duration - deg.	315°
	Exhaust	Opens (°BBC)	72°
		Closes (°ATC)	50°
		Duration - deg.	302°
Valve opening overlap		83°	
Intake	Material		Carbon steel
	Overall length		4.902-4.922
	Actual overall head dia.		1-23/32
	Angle of seat & face		46° and 45°
	Seat insert material		None
	Stem diameter		.3410-.3417
	Stem to guide clearance		.0010-.0027
	Lift		.333 (Theoretical)
	Outer spring press. and length	Valve closed (lb. @ in.)	75-90 @ 1-45/64
		Valve open (lb. @ in.)	150-175 @ 1-3/8
	Inner spring press. and length	Valve closed (lb. @ in.)	None
		Valve open (lb. @ in.)	None
Exhaust	Material		High alloy steel
	Overall length		4.913-4.933
	Actual overall head dia.		1-1/2
	Angle of seat & face		46° and 45°
	Seat insert material		None
	Stem diameter		.3410-.3417
	Stem to guide clearance		.0015-.0032
	Lift		.333 (Theoretical)
	Outer spring press. and length	Valve closed (lb. @ in.)	75-90 @ 1-45/64
		Valve open (lb. @ in.)	150-175 @ 1-3/8
	Inner spring press. and length	Valve closed (lb. @ in.)	None
		Valve open (lb. @ in.)	None

ENGINE—LUBRICATION SYSTEM

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

* - Including cam ramps

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MODEL _____ 1200-1600-1800 (V-8) 170 hp engine

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.)	4.0
Oil grade recommended (SAE viscosity and temperature range)	32° F and above - SAE 20W, SAE 20 or SAE 10W-30 0° F and above - SAE 10W, or SAE 10W-30 0° F and below - 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)	Single with crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)	One; Reverse flow
Exhaust pipe dia. (O.D., wall thickness)	Branch
	Main
Tail pipe diameter (O.D. & wall thickness)	2 x 5/64 2 x 1/16 1-7/8 x 1/16

ENGINE—FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.	Carburetor, 2-Bbl. Downdraft	
Fuel Tank	Capacity (gals.)	
	Filler location	
Fuel Pump	Type (elec. or mech.)	
	Locations	
	Pressure range	
Vacuum booster (std., optional, none)	20; 19 on station wagons Left rear quarter panel Mechanical Lower right front corner of engine 5, 25-6, 50 PSI None	
Fuel Filter	Type	
	Locations	
Carburetor	Make & Model No.	
	Number of carbs., bbls. per carb. & type	
	Barrel size	
	Choke type	
	Intake manifold heat control (exhaust or water)	
	Air clnr. type	Standard
		Optional

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 MODEL _____ 170 hp engine _____
 _____ 1200-1600-1800 (V-8) _____

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
	Amps	Engine stopped	4.0
Engine idling		1.8	
Distributor	Make		Delco-Remy
	Model		1110947
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	600
		Intermediate points deg. @ rpm	12 @ 1500
		Max deg. @ rpm	26 @ 3750
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	8.0
		Intermediate points, deg @ in Hg	
		Max. deg. in. Hg.	15 @ 15.5
	Breaker gap (in.)		.019
	Cam angle (deg.)		26-33
Breaker arm tension (oz.)		19-23	
Timing	Crankshaft deg. @ rpm.	4° to 8° BTC @ 550	
	Mark location	Front pulley hub	
	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 46
	Thread (mm)		14
	Tightening torque (lb. ft.)		25
	Gap		.033-.040
Cable	Conductor type		Linen core impregnated with electrical conducting material
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Hypalon jacket

ELECTRICAL—SUPPRESSION

Locations & type	Non-Metallic High Tension Cables
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 MODEL 170 hp engine
1200-1600-1800 (V-8)

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC	
	Trip odometer (yes, no)	No	
Charge indicator—type		Tell-tale light	
Temperature indicator—type		Tell-tale lights (Cold: Green; Hot: Red)	
Oil pressure indicator—type		Tell-tale light	
Fuel indicator—type		Gauge	
Other		Parking brake tell-tale light	
Ignition switch	Identify positions in order and circuits controlled	50° Counterclockwise from vertical - "Accessory" - accessories 25° 30' Counterclockwise from vertical - "Lock" Vertical - "Off," unlocked 40° Clockwise from vertical - "On" ign., batt., accessories 72° Clockwise from vertical - "Start," ign., batt., starter spring return to "On" position.	
	Provision for illumination	Lamp in lock housing	
	Location	On instrument panel right of steering column	
Main lighting switch	Identify positions and lamps controlled	Depressed - Off 1st notch - Instrument panel, parking, tail and license lights 2nd notch - Instrument panel, head, tail and license lights Rotate knob clockwise to dim and turn off instrument panel light Rotate knob counterclockwise to turn on and brighten instrument panel lights and turn on dome light	
Other light switches	Locations and lamps controlled	Toe panel	Headlight dimmer
		Glove compartment	Glove comp. lamp (e)
		Front door hinge pillar	Dome lamp (a)
		On steering column	Turn signal lamps
		Under instrument panel	Stop lamps
		Steering mast jacket	Back up lamps (b)
Other switches	Locations and devices controlled	Accelerator linkage	Overdrive kickdown (d)
		Instrument panel, rt of steer. col.	Heater blower
		L. H. Door and qtr. trim panels	Power windows (d)
		Front seat lower panel, L. H. side	Power seat (d)
		Instrument panel center	Radio (d)
		Instrument panel, left of steer. col.	W/S wiper
Windshield wiper	Make	Delco	
	Type	Electric, single-speed (c)	
	Vacuum booster provision	None	
	Washer provision	Dealer installed accessory, push-button	
Horn	Type	Vibrator	
	Number used	2	
	Amp draw (each)	8.0-11.0 @ 12.5 volts	

- (a) Except I200 series
- (b) Standard equipment on 1800 models.
- (c) Optional two-speed (washer included)
- (d) Optional
- (e) Standard equipment on 1600-1800 models.

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 MODEL 170 hp engine
1200-1600-1800 (V-8)

ELECTRICAL—LAMP BULBS

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

Headlamps & arrangement	Horizontal 2-4001 (inner) 2-4002 (outer)	
Headlamp beam indicator	1-57	
Parking	2-1034 (4 cp filaments)	
Tail	2 or 4-1034 (4 cp filaments) (If tail only, 2-67) †	
Stop	2 or 4-32 cp filaments of tail light bulbs †	
Direction signal	Front	2-32 cp filaments of parking light bulbs
	Rear	2 or 4-32 cp filaments of tail light bulbs †
	Indicator	2-53
License plate	1-67	
Instrument	--	
Ignition lock	1-53	
Back up	2-1073 (standard equipment on 1800 series, acc. on 12-1600 series)	
Dome	1800 Sport coupe & sport sedan; 2-90; balance exc 1800 conv: 1-90	
Clock	1-57 (standard equipment on 1800 series, acc. on 12-1600 series)	
Radio	1-57x *	
Glove compartment	1-57 (standard equipment on 1600-1800 series, acc. on 1200 series)	
Gen indicator	1-57	
Oil press ind.	1-57	
Third seat		
courtesy	1-90 (9-Passenger wagon only)	
Park brake		
alarm	1-257 (standard equipment on 1800 series, acc. on 12-1600 series)	
Heater	1-53	
Tran. ind.	1-53 *	
Courtesy lamps	2-89 (1800 sport coupe and convertible and Impala Super Sport Models (
Tem. ind. & Hsg	3-57	
Underhood	1-93 (Std. on 1800 coupes & sedans, acc. on 12-1600 cps	
Luggage comp.	1-93 (Standard on 1800 except wagons) ● and s	
Air cond.		
controls	1-53 *	
Speedo. head	3-57	
Compass	1-53 *	
Fuel gauge	1-57	
Tach.	1-53 *	
Spotlamp (in-		
side control)	1-4405 *	
Traffic hazard		
flasher	1-53 *	

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† - 1200 Series - 2 tail, stop and turn
 1600 Series - 2 tail, stop and turn, and 2 tail only
 1800 Series - 4 tail, stop and turn

● - Additional lamp at rear of front seat center console on Impala Super Sport models.

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 MODEL _____ 170 hp engine
1200-1600-1800 (V-8)

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. CB (a)
Headlamp beam indicator	(a)
Parking lamp	(a)
Tail lamp	AGC 15 (b)
Stop lamp	(b)
Direction indicator	Flasher
License plate lamp	(b)
Instrument lamp	---
Ignition lamp	AGC 3 (c)
Back up lamp	AGC 10 (d)
Dome lamp	(b)
Clock	(b)
Clock lamp	(c)
Radio	Receiver (including lamp) - AGC 4 (e)
Glove compartment lamp	(b)
Park. br. alarm	(d)
Heater	(d)
Overdrive	AGC 15 (f)
Underhood light	SAE 9 (G)
Luggage compt. light	(b)
A/C (incl. heater)	SAE 20 (H)
A/C Blow. Motor	SAE 20 (J)
Cool Pak	SAE 20 (H)
Cool Pak Blo Mtr.	SAE 20 (K)

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

	Tail	Lowest	25.5	
		Highest	25.5	
Height above ground to center of bulb	Stop		25.5	
	Backup		25.5	
	License, rear		25.5	
	Directional	Front		23.0
		Rear		25.5
	Headlamp	Inside		27.0
		Outside*		27.0
	Distance from C/L of car to center of bulb	Tail	Inside	24.0
			Outside	31.0
		Stop		31.0
Backup			24.0	
License, rear			On center line	
Directional		Front		28.0
		Rear		31.0
Headlamp		Inside		24.7
		Outside*		31.2

* If single headlamps are used enter here.

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Supplement to Page 12

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SUPPLEMENTARY INFORMATION

MODEL

170 hp engine
1200-1600-1800 (V-8)

ELECTRICAL - FUSE AND CIRCUIT BREAKER DATA (Contd.)

Spotlamp (inside operated	AGC 15 (L)
Courtesy lamps	(b)
A/C Controls lamp	(c)
Heater Controls lamps	(c)
Compass, Fuel Gauge, Speedo	
Head, Tach., and Tempgage	
lamps	(c)
Traffic Hazard lamp	(b)
W/S Wiper Motor (single speed)	SAE 20 (M)
W/S Wiper Motor (two-speed	(M)
(Also 14CB)	(N)
Hydraulic folding top	40 CB (S)
Power seats	40 CB (P)
Power windows	40 CB (Q)
Tailgate window	40 CB (R)

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MODEL 12-16-1800 3-Speed 170 hp engine Overdrive

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Chevrolet, single plate, dry disk		
Type pressure plate springs	Diaphragm		
Effective plate pressure (lb.)	1700-1875		
No. of clutch driven discs	One with two facings		
Clutch facing	Material	Woven asbestos	
	Outside & inside dia.	10.0, 6.0	10.0, 6.5
	Total eff. area (sq.in.)	100.53	90.68
	Thickness	.135	
	Engagement cushioning method	Springs	
Release bearing	Type & method of lubrication	Ball brg, sealed	
Torsional damping	Methods: springs, friction material	None	

DRIVE UNITS—TRANSMISSIONS

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

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Three			
Transmission ratios	In first	2.94:1		
	In second	1.68:1		
	In third	1.0:1.0		
	In fourth	--		
	In reverse	3.33:1		
Synchronous meshing, specify gears	2nd and 3rd			
Shift lever location	Steering column			
Lubricant	Capacity (pt.)	2.0	3.0	
	Type recommended	Multi-purpose gear lubricant		
	SAE viscosity number	Summer	SAE-90	
		Winter	SAE-90	
Extreme cold		SAE-80		

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 MODEL _____ 170 hp engine
 12-16-1800 (V-8)

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Planetary
	Manual lockout (yes, no)		Yes
	Downshift accelerator control (yes, no)		Yes
	Minimum cut-in speed		27 mph.
	Gear ratio		0.70:1
Lu- bri- cant	Capacity (pt.) (Overdrive only)		1
	Separate filler (yes, no)		No
	Type recommended		SAE gear lubricant
	SAE vis- cosity number	Summer	SAE-90
		Winter	SAE-90
Ext. cold		SAE-80	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide	
Type describe	Torque converter with planetary gears	
Method of Selection (Lever, Push Button or other)	Lever	
Selector Pattern	P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position	Drive 1.82 and 1.0:1 (a) Low 1.82:1 Reverse 1.82:1	
Max. upshift speeds—drive range	55	
Max. kickdown speeds—drive range	50	
Torque converter	Number of elements	3
	Max. ratio at stall	2.1:1
	Type of cooling (air, water)	Water
Lubricant	Capacity—refill (pt.)	9
	Type recommended	"A" suffix "A"
Special transmission features		

(a) - Total torque reduction - 3.82:1

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED ^(*)

MODEL _____ 170 hp engine
12-16-1800 (V-8)

DRIVE UNITS—PROPELLER SHAFT

Number used		Two	
Type (exposed, torque tube)		Exposed	
Outer diameter x length* x wall thickness	Manual transmission	Front - 2.003 x 30.12 x .097	Rear - 2.003 x 35.00 x .097
	Overdrive transmission	Front - 2.003 x 24.97 x .097	Rear - 2.003 x 35.00 x .097
	Automatic transmission	Front - 2.003 x 24.03 x .097	Rear - 2.003 x 35.00 x .097
Inter-mediate bearing	Type (plain, anti-friction)	Anti-friction	
	Lubrication (fitting, prepack)	Prepack	
Universal joints	Make	Chevrolet	
	Number used	3	
	Type (ball and trunnion, cross, other)	Yoke and Spider (Trunnion)	
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Prepack	
Drive taken through (torque tube or arms, springs)		Upper and lower control arms	
Torque taken through (torque tube or arms, springs)		Upper and lower control arms	

DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)		Standard axle-semi floating, overhung pinion gear optional "positraction" axle-semi-floating, overhung pinion gear Spicer limited slip with dual 4-disk clutches.		
Drive Pinion Offset		1.5		
No. of differential pinions		2 (a)		
Gear ratio and No. of teeth	Manual transmission	3.36:1 (11-37) (b)		
	Overdrive transmission	3.70:1 (10-37) (b)		
	Automatic transmission	3.36:1 (11-37) (b)		
Ring gear pitch diameter & O.D.		8.375 PD and OD		
Pinion adjustment (shim, other)		Shim		
Pinion bearing adj. (shim, other)		None		
Wheel bearing type		Ball		
Lubricant	Capacity (pt.)	4		
	Type recommended	Hypoid or multi-purpose lubricant		
	SAE viscosity number	Summer	SAE-90	
		Winter	SAE-90	
Extreme cold		SAE-90		

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

(a) - 4 pinions in positraction axle.

(b) - See page 2A for limited slip axle availability.

AMA Specifications - Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED (a) 3-1-62
 MODEL _____ / 170 hp engine
 _____ 1200-1600-1800 (V-8)

DRIVE UNITS—WHEELS

Type & material		Short spoke disk pressed steel
Rim (size and flange type)		14 x 5J (a)
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 - 7/16-20 Hex nuts

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.00x14-4 pr (c)(f)	7.50 x 14-4 pr (d)	8.00 x 14-4 pr (b)
	Type - Nylon, etc.	Rayon tubeless, blackwall		
Rev/mile at 30 mph.		815	798	774
Inflation press.(cold)	Front	24-26		
	Rear	24-26 (d)		

BRAKES—SERVICE

Type (dual-servo, balanced, self adjusting, etc.)		Dual-servo, 4 wheel hydraulic			
Power brake make & type (camote, integral, etc.)		Bendix and Moraine-vacuum power unit with reg. prod. master cyl.			
		Standard	RPO 686 (e)		
Effective area (sq. in.)*		185.6	134.0 •		
Gross lining area (sq. in.)**		199.5	134.0 •		
Swept drum area (sq. in.)***		338.1	327.6		
Percent brake effectiveness—front		58.5			
Drum	Diameter	11			
		11			
Type and material		Composite - Cast alloy iron rim, pressed steel web			
Bonded or riveted		Bonded	Welded		
Brake Lining	Front Shoe	Material	Full molded asbestos		
		Size (length x width x thickness)	Front wheel	9.30 x 2.75 x .168	
			Rear wheel	9.30 x 2.00 x .168	
	Segments per shoe	One		6	
	Rear Shoe	Material	Full molded asbestos		Sintered iron
		Size (length x width x thickness)	Front wheel	11.70 x 2.75 x .168	2.0 x 1.0 x .210
Rear wheel			11.70 x 2.00 x .168	2.0 x 1.0 x .330	
Segments per shoe	One				
Wheel cylinder bore	Front	1.1875			
	Rear	1.00			
Master cylinder bore		1.00			
Available pedal travel		6.38			
Line pressure at 100 lb. pedal load		750			
Shoe clearance adjustment		Adjust to light drag and back off 12 notches			

* 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.

- (a) 14 x 6.0JK on all station wagons.
- (b) Station wagons.
- (c) 1200 Series sedans
- (d) 28 psi on 6- and 9-pass. station wagons. e
- (e) Metallic brake option
- (f) 2-ply construction; 4-ply rating

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED _____
 MODEL _____ 170 hp engine
 _____ 12-16-1800 (V-8)

BRAKES—PARKING

Type of control		Apply - pendulum foot pedal; release - T-handle
Location of control		Foot pedal - underdash; T-handle - on instrument panel (a)
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 "X" frame with box girder side rails, box section front suspension crossmember, "Z" section intermediate crossmember, channel section rear crossmember and reinforced box girder center beam. Special crossmember for rear suspension upper control mounting.
----------------------	--

SUSPENSION—GENERAL (See Supplemental page 17 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		None
Shock absorber front & rear	Type	Direct, double acting
	Make	Delco
	Piston dia.	1.00
Other special features		---

SUSPENSION—FRONT

Type and description	Independent, combining short and long control arms with spherical joints and coil springs.
----------------------	--

(Continued)

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(a) Left of steering column

* Air Suspension:
 Air spring type
 Compressor data
 type
 make
 drive ratio
 Normal operating pressures
 spring rates
 leveling data

AMA Specifications – Passenger Cars

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED 3-1-62
 MODEL _____ 170 hp/engine
1200-1600-1800 (V-8)

SUSPENSION FRONT (cont.)

Spring	Type		Coil
	Material		High alloy steel
	Size (coil design height & I.D.; bar length x dia.)		10.50 x 3.802 x 141.3 x .630 @
	Spring rate (lb. per in.)		275
	Rate at wheel (lb. per in.)		91 •
	Design load (lb. @ design height)		1855 @ 10.50
Stabilizer	Type (link, linkless, frameless)		Link
	Material & bar diameter		HR steel, 0.6875

STEERING

Mechanical (std., opt., NA)			Standard
Power (std., opt., NA)			Optional
Wheel diameter			17.00
Turning diameter	Outside front	Wall to wall (l. & r.)	44.1
		Curb to curb (l. & r.)	40.8
	Inside rear	Wall to wall (l. & r.)	24.2
		Curb to curb (l. & r.)	24.5
Outside wheel angle with inside wheel at 20°			17° 54'
Mechanical	Gear	Type	Semi-reversible, recirculating ball
		Make	Saginaw
		Ratios	Gear 24.0:1 Overall 28.0:1
	No. wheel turns		5.80 (lock to lock) •
	Type (coaxial, linkage, etc.)		Hydraulic, power cylinder in linkage
Power	Make		Saginaw
	Trade name		Power-touch
	Gear	Type	Semi-reversible, recirculating ball
		Ratios	Gear 20.0:1 Overall 24.0:1
		Pump driven by	
	Number wheel turns		4.83 (lock to lock) •
	Linkage	Type	
Location (front or rear of wheels, other)		Front	
Drag link (trans. or longit.)		None	
Tie rods (one or two)		Two	

@ - Sedans and coupes, manual transmission

(Continued)

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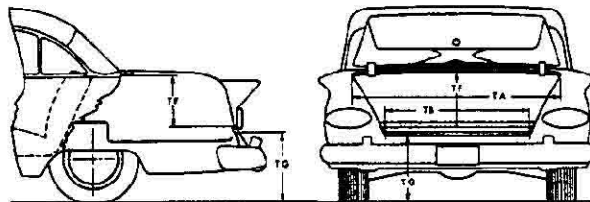
MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED _____

BODY—GENERAL DEFINITIONS

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

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. 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.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

BODY—TRUNK DIMENSIONS



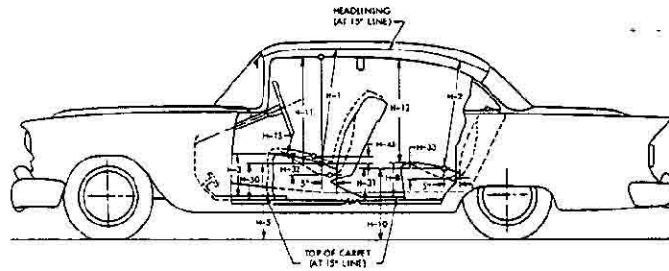
MODEL	SEDANS	COUPES	CONVERTIBLE	STATION WAGON
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)		19.0		----
Total trunk volume in cu. ft. with spare tire in place		29.7 (a)		97.5 (b)(c)
TA—Width across the top		54.0		54.2
TB—Width across the bottom		54.0		56.4
TF—Vertical dimension at C/L from bottom to top of opening		23.0		30.4
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)		21.9		23.0
Position of spare tire stowage		Horizontal on trunk forward shelf, left side		Behind access panel in right rear quarter
Method of holding lid open		Torsion bars, counterbalanced		----

- (a) 28.2 on convertible with top down.
 (b) Includes 10.5 cu. ft. in hidden stowage compartment.
 (c) Total 92.7 on 9-passenger wagon (includes 5.7 cu. ft. in hidden compartment).
 (d) Horizontal on trunk side shelf, right side

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-6 REVISED _____

BODY—HEIGHT DIMENSIONS—INTERIOR



MODEL *	SEDANS	COUPES	CONVERTIBLE	STATION WAGON
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	39.0	38.5		39.0
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	38.0			40.0 (a)
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	11.0			
H5. Free "A" pt. to ground, front. Measured vertically	20.0			
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	14.0	13.0	13.5	14.0 (b)
H10. Free "A" point to ground rear. Measured vertically	19.5	18.5		19.5 (c)
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	30.0		28.0	30.0
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	29.5	--	--	30.5
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	5.0			
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	6.0			
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	8.0	6.5		8.0
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.5			
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.0	4.5 (d)		
H45. Front seat maximum vertical rise at free "A" point	.8			

(a) 37.0 on 9-Pass. 3rd seat

(b) 15.5 on 9-Pass. 3rd seat

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(c) 22.0 on 9-Pass. 3rd seat

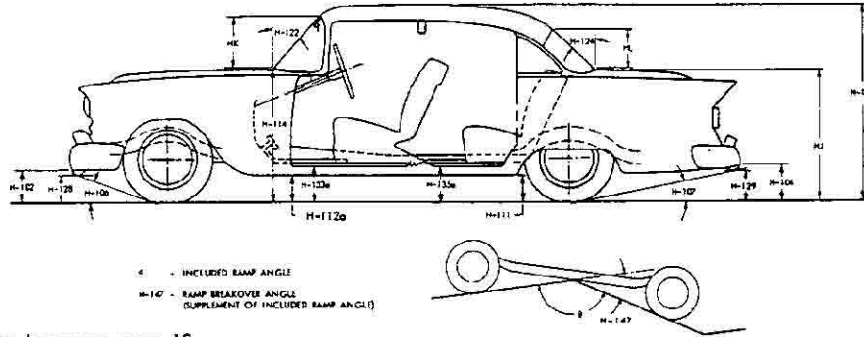
(d) 4.0 on 9-Pass. 3rd seat

NOTE: Torso room, a depressed dimension, is reported for H1 and H2 dimensions. Free "A" point and depressed "A" point dimensions are replaced with applicable "H" and "D" point dimensions.

AMA Specifications— Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED (a)

BODY—HEIGHT DIMENSIONS—EXTERIOR



NOTE: For dimensions to lamps see page 12.

MODEL	Sedans	Coupes	Convertible	Station Wagon
H101. Overall height, full design load	55.5		55.0	56.0
HB. Overall height, curb weight	57.5		57.0	58.0
H102. Front bumper bottom to ground at normal section, min. height			—	—
H104. Rear bumper bottom to ground at normal section, min. height			—	—
H106. Angle of approach. To interfering point on bumper, guard, other			27°	
H107. Angle of departure. To interfering point on bumper, guard, other			13°	
H111. Body Sill to Ground—Rear. Vertical dimension measured from bottom of body sill (rocker panel), excluding any flanges, to ground at front of rear wheel opening.			8.0	
H112a. Body Sill to Ground—Front. Measured vertically at foremost point of body sill (rocker panel), excluding flanges and front fender.			8.5	
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl			39.0	
H122. Windshield normal slope angle to vertical line on car C/L	57.3°		54.7°	57.3°
H124. Backlight normal slope angle to vertical line on car C/L	47°	61°	57°	27°
H128. Bottom of front bumper guard to ground (a)	13.0		13.5	14.0
H129. Bottom of rear bumper guard to ground (a)	13.5		14.0	14.5
H133a. Bottom of front door to ground, min. dimension			11.5	
H135a. Bottom of rear door to ground, min. dimension	11.5	--	--	11.5
H147. Ramp breakover angle			11.0°	
H153. Min. road clearance at rear axle			7.5	
H156. Min. road clearance and location			6.5 @ muffler	
HJ. Deck at rear window to ground			35.5	
HK. Windshield DLO*. Vertical height at C/L			15.2	
HL. Back light DLO*. Vertical height at C/L	13.0	15.0		15.0

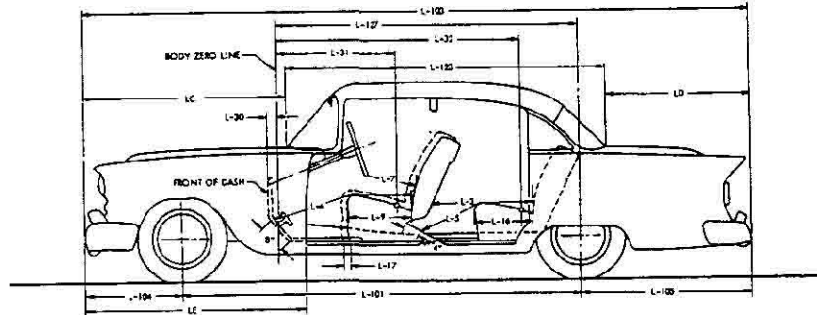
* See Note, page 20

(a) Guard integral with bumper

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE: ISSUED 10-23-61 REVISED _____

BODY—LENGTH DIMENSIONS



MODEL	SEDANS	COUPES	CONVERTIBLE	STATION WAGON
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back			
	28.5	26.0		28.5
	L4. Leg room, front. Ball of foot to top of seat to seat back			
	45.0	44.5		45.0
	L5. Leg room, rear. Ball of foot to top of seat to seat back			
	42.0	39.0		42.0 (a)
	L7. Steering wheel clearance to seat back taken on arc			
				16.0
	L9. Front seat depth. Front edge to vert. tan. of seat back			
				18.5
L16. Rear seat depth. Front edge to vert. tan. of seat back				
18.0	18.5 (b)			
L17. Maximum "A" point horizontal travel with normal seat adjustment				
			4.5	
L30. Vertical body zero line to actual front of dash. Measured horizontally*				
			.5	
L31. Vertical body zero line to free "A" point, front				
			42.0	
L32. Vertical body zero line to free "A" point, rear				
77.5	75.0	77.5		
Exterior	L101. Wheelbase			
				119.0
	L103. Overall length. Incl. bumper guards if standard equipment			
				209.6
	L104. Overhang, front. Include bumper guards if stand. eq.			
				32.7
	L105. Overhang, rear. Include bumper guards if stand. eq.			
				57.9
	L123a. Body upper structure length at C/L, excl. molding			
	102.6	101.6	105.2	140.7
L127. Vertical body zero line to centerline of rear wheels				
			100.0	
LC. Front of car to base windshield, excl. molding				
			57.3	
LD. Rear of car to base of rear window or upper structure, excl. molding				
49.4	50.6	50.0	11.6	
LE. Front of car to front edge of front door				
			67.7	

* Precede figure with minus sign if front of dash is to rear of body zero line.

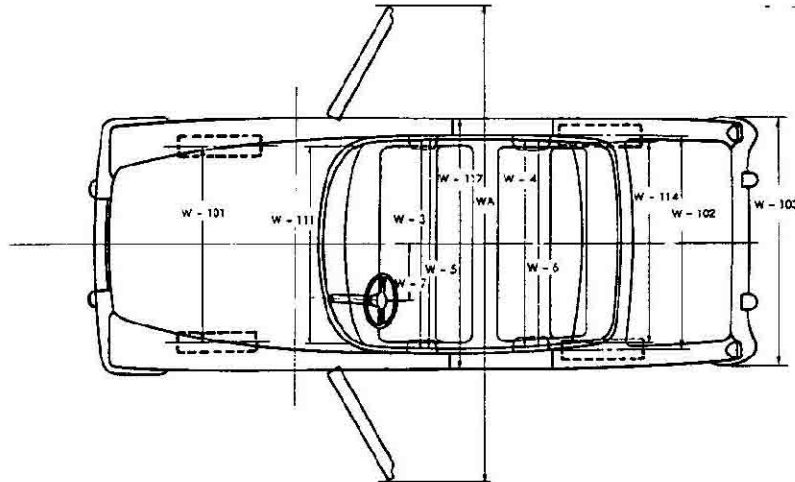
(a) 57.0 on 9-passenger station wagon.

(b) 17.5 on 9-passenger station wagon.

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MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED ^(*)

BODY—WIDTH DIMENSIONS



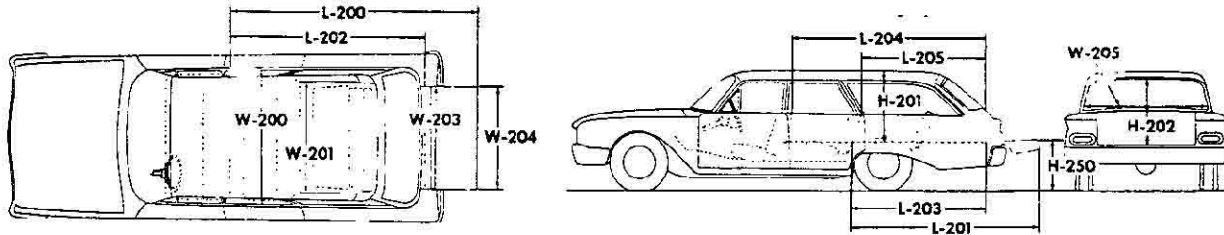
MODEL		SEDANS	COUPES	CONVERTIBLE	STATION WAGON
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back	59.0			
	W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back	58.0	57.0	51.0	58.0 (a)
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back	63.5			
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back	63.5	55.0	52.0	63.5 (b)
	W7. Steering wheel center (on surface plane of wheel) to C/L of body	15.9			
Exterior	W101. Front tread at ground	60.3			
	W102. Rear tread at ground	59.3			
	W103. Max. overall width of car incl. bumpers or moldings (specify location).	79.0			
	WA. Max. overall width of car with doors open (2 & 4 door)	140.6	158.1		140.6
	W111. Windshield DLO, max. width	61.2			
	W114. Back window DLO, max. width	61.4	59.1	53.3	
	W116a. Maximum overall sheet metal width excl. hardware and applied molding (specify location)	76.0			
W117. Max. body width at center pillar, less hardware and applied moldings	76.0				

(a) 55.0 on 9-passenger station wagon.
 (b) 46.0 on 9-passenger station wagon.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE: ISSUED 10-23-61 REVISED(*)

STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

MODEL	6-PASSENGER	9-PASSENGER
L200 Floor length from back of front seat at floor level to end of lowered tail gate	118.5	
L201 Floor length from back of second seat at floor level to end of lowered tail gate	84.5	
L202 Floor length from back of front seat at floor level to inside of closed tail gate	94.0	
L203 Floor length from back of second seat at floor level to inside of closed tail gate	60.0	
L204 Minimum horizontal distance from top rear of front seat back to inside of top of tail gate	82.5	
L205 Minimum horizontal distance from top rear of second seat back to inside of top tail gate	47.0	
W200a Maximum width of cargo space at floor, specify location	62.0 Forward of wheelhouse	
W201 Minimum distance between wheel houses at floor level	46.0	
W203 Rear end opening width at floor	56.5	
W204 Rear end opening width at top of tail gate	54.5	
W205 Maximum width of rear opening above raised tail gate	54.0	
H201 Maximum height, floor covering to headlining at centerline of rear axle	31.5	
H202 Maximum height of rear opening, tail and lift gates open	30.5	
H250 Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight	24.5	
Third Seat, facing direction	---	Rearward
Tail and lift gates or sliding glass	Hinged tailgate with folding link supports and manual retractable rear window (a)	
Cargo volume index (cu. ft.) W4 (P. 24) X L204 X H201 1728	87.0 (b)	

(a) Electrically operated window on 9-passenger.

(b) +10.5 cu. ft. for hidden compartment in 6-passenger; +5.7 in 9-passenger.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1962 DATE ISSUED 10-23-61 REVISED (*)

MODEL 1200-1600-1800 (V-8)

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood hinge location (front, rear)		Rear
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle (Serial) No. Location		Left front body hinge pillar
Engine No. Location		Front right side of cylinder block
Theft protection - type		Shielded ignition lock terminals Key removable in "lock" or "on" position
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	None
Seat cushion type	Front	Polyurethane foam with zigzag springs
	Rear	Cotton - jute with zigzag springs
Seat back type	Front	Cotton - Zigzag springs
	Rear	Cotton - Zigzag springs
Windshield type (single curved, compound curved, other)		One-piece, curved compound curve element
Rear window type (flat, curved, one piece, three piece)		One-piece, curved
Side glass type (curved, flat)		Flat
Side glass exposed surface area		1318.2
Windshield glass exposed surface area		1600.3
Backlight glass exposed surface area		1277.1
Total glass exposed surface area		4195.6

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Frame	17	Transmission - Types	1, 13, 14
Front Suspension	17, 18	Automatic	1, 14
Fuel, Fuel Pump, Fuel System	1, 2, 6	Manual & Overdrive	13, 14
Fuel Injection	1, 6	Ratios	13, 14
Fuses, Circuit Breakers	12	Tread	1, 24
Generator and Regulator	8	Turning Diameter	18
Glass	22, 24, 26	Unitized Construction	17
Height (Lamps)	12	Universal Joints, Propeller Shaft	15
Headroom - Body	21	Valves - Intake & Exhaust	4, 5
Heights - Car & Body	1, 21, 22	Vibration Damper	4
Hood	26	Voltage Regulator	8
Horns	10	Water Pump	-
Horsepower - Brake, Rated, Taxable	1, 2	Weights - Shipping, Curb	
Ignition System	9	Wheel Alignment	?
Inflation - Tires	16	Wheelbase	1, 24
Instruments	6, 10	Wheels & Tires	16
Kingpin (Steering Axis)	19	Wheel Spindle	19
		Widths - Car & Body	1, 24
		Windshield	22, 24, 26
		Windshield Wiper	10