AMA-40A

AMA Specifications – Passenger Car

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MANUFACTURER	CAR NAME	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORP.	CHEVELLE 53-55-5700 SERIES 194 Cu. In. 6-Cyl.	54-56-5800 SERIES 283 Cu. In. V-8
MAILING ADDRESS Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Mich.	MODEL YEAR 1964	ISSUED: 9-23-63 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.

		194 Cu. In. 6-Cylinder	283 Cu. In. 8-Cylinder
CHEVELLE 300			
2-Door Sedan, 6-Pass.	---	5311	5411
4-Door Station Wagon, 2-Seat	---	5335	5435
2-Door Station Wagon, 2-Seat	---	5315	5415
4-Door Sedan, 6-Pass.	---	5369	5469
MALIBU			
4-Door Station Wagon, 2-Seat	---	5535	5635
2-Door Sport Coupe, 5-Pass.	---	5537	5637
2-Door Convertible, 5-Pass.	---	5567	5667
4-Door Sedan, 6-Pass.	---	5569	5669
4-Door Station Wagon, 3-Seat	---	5545	5645
MALIBU SUPER SPORT			
2-Door Sport Coupe, 4-Pass.	---	5737	5837
2-Door Convertible, 4-Pass.	---	5767	5867
EL CAMINO			
2-Door Sedan Pickup, 3-Pass. Regular	---	5380	5480
2-Door Sedan Pickup, 3-Pass. Deluxe	---	5580	5680

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.	6-Cylinder Engines		V-8 Engines	
			194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
			53-55-5700		54-56-5800	
Wheelbase (L101)		23	115.0			
Tread	Front (W101)	22	Sedans	Sport Coupe	Convertible	Sta/Wagon
			58.0			
	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	Syncromesh; 3-Spd Standard, 4-Spd Optional with V-8 Engines			
	Overdrive	16	Optional			
	Automatic	16	Powerglide Optional			
Axle ratio	Manual	17	53-5500 Series Sta. Wagons - 3.36:1; remainder 3.08:1			
	Overdrive	17	3.70:1			
	Automatic	17	Same as Manual			
Tire size		18	All Station Wagons and Sedan Pick Ups - 7.00 x 14; Balance 6.50 x 14			
Engine	Type, no. cyl., valve arr.	2	In-line 6 OHV		90° V-8 OHV	
	Fuel system (Carb., other)	8	Carburetor			
	Bore and stroke	2	3.563 x 3.25	3.875 x 3.25	3.875 x 3.00	
	Piston displ., cu.in.	2	194	230	283	
	Std. compression ratio	2	8.5:1		9.25:1	
	Max. bhp at engine rpm	2	120 @ 4400	155 @ 4400	195 @ 4800	220 @ 4800
	Max. torque at rpm	2	177 @ 2400	215 @ 2000	285 @ 2400	295 @ 3200

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MODEL

	6-Cylinder Engines		V-8 Engines	
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
	53-55-5700		54-56-5800	

ENGINE—GENERAL

Type, no. cyls., valve arr.		In-line 6 OHV		90° V-8 OHV	
Bore and stroke (nominal)		3.563 x 3.25	3.875 x 3.25	3.875 x 3.00	
Piston displacement, cu. in.		194	230	283	
Bore spacing (C/L to C/L)		4.4			
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In line)		1-3-5-7	
	R. Bank			2-4-6-8	
Firing order		1-5-3-6-2-4		1-8-4-3-6-5-7-2	
Compres. ratio (nominal)		8.5:1		9.25:1	
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		3° 51'		5° 11'	
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		30.5	36.0	48.0	
Published max. bhp* @ eng. RPM		120 @ 4400	155 @ 4400	195 @ 4800	220 @ 4800
Published max. torque* (lb. ft. @ RPM)		177 @ 2400	215 @ 2000	285 @ 2400	295 @ 3200
Recommended fuel regular - premium		Regular			Premium
Idle speed (spec. neutral or drive)	Manual	500 in Neutral			
	Automatic	500 in Drive		475 in Drive	

ENGINE—PISTONS

Material		Cast Aluminum Alloy			
Description and finish		Flat head; Slipper Skirt	Flat, notched head; Slipper Skirt		
Weight (piston only) oz.		17.60	20.40	20.30	
Clearance (limits)	Top land	.033 - .044		.035 - .044	
	Skirt Top	.0005-.0011 (a)	.0005 - .0011 (b)		
	Skirt Bottom				
Ring groove depth	No. 1 ring	.1960-.2025	.2153 - .2218		
	No. 2 ring	.1960-.2025	.2153 - .2218		
	No. 3 ring	.1985-.2050	.2093 - .2158		
	No. 4 ring				

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

(a) - Measured 2.00" from top of piston

(b) - Measured 2.44" from top of piston

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO * (Std. first)	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Gen. Purpose Standard	Special Purpose or Mountain
5300	194	1 Bbl Down-draft	8.5:1	120 @ 4400	177 @ 2400	3-Speed and Powerglide #	3.08:1 (a)	3.36:1
						Overdrive #	3.70:1	--
5500 5700	230 (Opt)	1 Bbl Down-draft	8.5:1	155 @ 4400	215 @ 2000	3-Speed and Powerglide #	3.08:1 (a)	3.36:1
						Overdrive #	3.70:1	--
5400 5600	283 (Std)	2 Bbl Down-draft	9.25:1	195 @ 4800	285 @ 2800	3-Speed	3.08:1	3.36:1
						4-Speed #	3.08:1	--
						Powerglide #	3.08:1	
						Overdrive #	3.70:1	
5800	283 (Opt)	4 Bbl Down-draft	9.25:1	220 @ 4800	295 @ 3200	3-Speed	3.08:1	3.36:1
						4-Speed # Powerglide #	3.08:1	--
						Overdrive #	3.70:1	--

* - Also available in Positraction for combinations shown
(a) - Station Wagon Models - 3.36:1
- Optional

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MODEL	6-Cylinder Engines		V-8 Engines	
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
	53-55-5700		54-56-5800	

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, inside bevel Upper - Flash chrome plating O. D. Lower - Wear resistant coating O. D.
	Width	.0775 - .0780 Upper; .0770 - .0780 Lower
	Gap	.010 - .020
Oil	Description - material, type, coating, etc.	Multi-piece - (2 rails and one spacer expander) Spacer expander - Steel Rails - Stainless steel, chrome plated O. D.
	Width	.1840 - .1880 (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.)		20.80	20.00
Length (center to center)		5.699 - 5.701	
Bearing	Material & Type	Steel backed babbitt or Copper lead alloy	
	Overall length	.807	
	Clearance (limits)	.0007 - .0027	
	End play	.008 - .014	.009 - .013

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	6-Cylinder Engines		V-8 Engines	
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
MODEL	53-55-5700		54-56-5800	

ENGINE—CRANKSHAFT

Material			Cast Nodular Iron	Cast Nodular Iron or Forged Steel ✱	
Vibration damper type			Rubber Mounted Inertia	None	Rubber Mounted Inertia
End thrust taken by bearing (No.)			7	5	
Crankshaft end play			.002 - .006		
Main bearing	Material & type		Steel backed babbitt or Copper lead alloy		
	Clearance		.0003 - .0029		
	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 .752	2.3004 x 1.177	
		No. 6	2.3004 x .752	---	
		No. 7	2.3004 x .760	---	
	Dir. & amt. cyl. offset		None		
Crankpin journal diameter			1.999 - 2.000		

ENGINE—CAMSHAFT

Location			Above and to right of Crankshaft	In block above Crankshaft
Material			Cast alloy iron	
Bearings	Material		Extra-life steel backed babbitt	
	Number		4	5
Type of Drive	Gear or chain		Gear	Chain
	Crankshaft gear or sprocket material		Steel	Steel Sprocket
	Camshaft gear or sprocket material		Bakelite and fabric composition with steel hub	Cast alloy iron
	Timing chain	No. of links	None	46
		Width	None	.875
		Pitch	None	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)			Standard	
Valve rotator, type (intake, exhaust)			None	
Rocker ratio			1.75:1	1.5:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero	
	Exhaust		Zero	
Timing marks on flywheel, damper, other			Harmonic Balancer	Crk/shft Pulley Hub	Harmonic Balancer

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			6-Cylinder Engines		V-8 Engines	
			194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
MODEL			53-55-5700		54-56-5800	
ENGINE—VALVE SYSTEM (cont.)						
* Timing	Intake	Opens (°BTC)	34°	49°	32° 30'	
		Closes (°ABC)	86°	95°	87° 30'	
		Duration - deg.	300°	324°	300°	
	Exhaust	Opens (°BBC)	68°	95°	74° 30'	
		Closes (°ATC)	52°	49°	45° 30'	
		Duration - deg.	300°	324°	300°	
	Valve opening overlap		86°	98°	78°	
Intake	Material		Carbon Steel			
	Overall length		4.902 - 4.922			
	Actual overall head dia.		1.715 - 1.725			
	Angle of seat & face		46° (seat) 45° (face)			
	Seat insert material		None			
	Stem diameter		.3404 - .3417			
	Stem to guide clearance		.0010 - .0033			
	Lift (@ zero lash)		.3350	.4072	.3987	
	Outer spring press. and length	Valve closed (lb. @ in.)	84-92 @ 1.66	78-86 @ 1.66		
		Valve open (lb. @ in.)	166-176 @ 1.33	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			
	Overall length		4.913 - 4.933			
	Actual overall head dia.		1.495 - 1.505			
	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)		.3350	.4072	.3987	
	Outer spring press. and length	Valve closed (lb. @ in.)	84-92 @ 1.66	78-86 @ 1.66		
		Valve open (lb. @ in.)	166-176 @ 1.33	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	Conn. rod brg. Throw-off	Pressure cross sprayed

* - Including Ramps

(Continued)

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	6-Cylinder Engines		V-8 Engines	
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
MODEL	53-55-5700		54-56-5800	

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. @ engine rpm)	30-45 PSI @ 1500 RPM	
Oil pressure sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, partial, other)	Full-Flow	
Filter replacement (element, complete)	Complete	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, SAE 10W-30 Below 0° F - SAE 5W, SAE 5W-20	
Engine Service Requirement (MM, MS, etc.)	MS or DG	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Single with Cross over	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, Reverse flow		Two Reverse flow
Exhaust pipe dia. (O.D. wall thickness)	Branch	--	2.0x.084 - .104	---
	Main	2.00 x .064	2.0x.073 - .091	2.0x.078-.09
Tail pipe diameter (O.D. & wall thickness)		1.875 x .062 - .076		

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to Induction System	
	Optional		
Control unit	Make and model		
	Location	Top rear of rocker cover	Rear of carburetor
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other	Intake Manifold	
	Air inlet (breather cap, carburetor air cleaner, other)	Breather Cap	
	Flame arrestor (screen, check valve, other)	Check Valve	

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	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu.In. (Opt)
MODEL	53-55-5700		54-56-5800	

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.)		20	
	Filler location		Behind hinged rear license plate (a)	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Location		Lower right front of engine	
	Pressure range		• 3.50 - 4.50 PSI	5.25 - 6.50 PSI
Vacuum booster (std., optional, none)			None	
Fuel Filter	Type		Fine mesh plastic strainer in gasoline tank	
	Location		and sintered bronze filter in carburetor	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air clnr. type	Standard	Polyurethane element	Paper element
		Optional		

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors Make	Carburetors Model	No. Used and Type	Barrel Size
5300	194	3 Speed	Rochester	7023105	One Single-barrel Down-draft	1.56
5500		Powerglide	Rochester	7023108		
5700 •	230 (Opt)	3 Speed	Rochester	7023003	Large Single-barrel Down-draft	1.56
		Powerglide	Rochester	7023000		
5400 •	283 (Std)	3 Speed 4 Speed	Rochester	7024101	One Two-barrel Down-draft	1.44
5600		Powerglide	Rochester	7024106		
5800 •	283 (Opt)	3 Speed 4 Speed	Rochester	7024125	One Four-barrel Down-draft	Primary and Secondary 1.44
		Powerglide	Rochester	7024126		

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	194 Cu.In. (Std)	230 Cu. In.(Opt)	283 Cu. In. (Std)	283 Cu.In. (Opt
MODEL	53-55-5700		54-56-5800	

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure		
Radiator cap relief valve pressure			13 PSI ± 1		
Circulation thermostat	Type (choke, bypass)		Choke		
	Starts to open at (°F)		177° - 183° F		
Water pump	Type (centrifugal, other)		Centrifugal		
	GPM @ 1000 pump rpm	58 @ 4400	60 @ 4400	53 @ 4200	
	Number of pumps		One		
	Drive (V-belt, other)		V-Belt		
	Bearing type		Permanently lubricated double row ball		
By-pass recirculation type (internal, external)			Internal		
Radiator core type (cellular, tube and fin, other)					
Cooling system capacity	With heater (qt.)	11.5		17	
	Without heater (qt.)	10.5		16	
	Opt. equipment-specify (qt.)	12.0		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		
	Lower — Inside diameter		1.75		
	Upper — Number and type (molded, straight)		One, molded		
	Upper — Inside diameter	1.28	1.50		
	By-pass — Number and type (molded, straight)		None		
	By-pass — Inside diameter		--		
Fan	Number of blades & Spacing		4, Staggered		5, Staggered
	Diameter		17.62		18.00
	Ratio-fan to crankshaft rev.		.949:1		.959:1
	Fan cutout type		None		*
	Bearing type				
*Drive belts (Indicate belt used by letter)	Fan	A		D	
	Generator	A		D	
	Water Pump	A		D	
	Power Steering	B		E	
	Air Conditioning	C		F	

* Thermo-modulated, viscous coupling

* Drive Belt Dimensions	A	B	C	D	E	F
Angle of V	38° - 42°					
Nominal length (SAE)	39.00	49.50	54.75	53.50	41.50	57.50
Width	.380 ± .005					

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	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		#1983504
	Voltage Rtg. & Total Plates		12 Volt - 54 Plate
	SAE Designation & Amp Hr. Rtg		44 Amp/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		#1107259	#1107247
	Rotation (drive end view)		Clockwise	
	Engine cranking speed			
	Test conditions		Engine Operating Temperature	
	Lock test	Amps		
		Volts		
		Torque (lb. ft.)		
	No load test	Amps	49 - 76	
		Volts	10.6	
		RPM (min.)	6200 - 9400	
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		Synchromesh - Place gearshift in neutral and depress clutch to floor Powerglide - Place control lever in N or P position Initial Start - Depress accelerator pedal to floor and release. Turn ignition to Start and release as soon as engine starts.	

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	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)
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ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid
	Pinion meshes (front, rear)		Rear
	Number of teeth	Pinion	9
		Flywheel	153
	Flywheel tooth face width		.4010 - .4130

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco - Remy			
	Model		#1115184		#1115115	
	Amps	Engine stopped	4.0			
		Engine idling	1.8			
Distributor	Make		Delco - Remy			
	Model		#1110293	#1110321	#1111015	#1111051
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	600		800	600
		Intermediate points deg. @ rpm				
		Max deg. @ rpm	26° @ 2300	32° @ 4400	30° @ 4000	28° @ 3700
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	6		8	
		Intermediate points, deg @ in Hg				
		Max. deg. in. Hg.	• 21 @ 14.5		15 @ 15.5	
	Breaker gap (in.)		.019			
	Cam angle (deg.)		31° - 34°		• 28°-32°	
	Breaker arm tension (oz.)		19 - 23 oz.			
Timing	Crankshaft deg. @ rpm. •		8°BTC @ 450-500	4°±1°@500	8° @ 500	
	Mark location		Harmonic Balancer		Crk/Shft Puly hub Har. Balancer	
	Cylinder numbering system (see page 2)		Front to rear 1-2-3-4-5-6		Left bank 1-3-5-7 Right bank 2-4-6-8	
	Firing order (see page 2)		1-5-3-6-2-4		1-8-4-3-6-5-7-2	
Spark Plug	Make and model		AC 46N (Long Reach)		AC45	AC44
	Thread (mm)		14			
	Tightening torque (lb. ft.)		25			
	Gap		.033-.038			
Cable	Conductor type		Linen core impregnated with conducting material			
	Insulation type		Rubber with neoprene jacket			
	Spark plug protector		Neoprene			

ELECTRICAL—SUPPRESSION

Locations & type	Non-Metallic High Tension Ignition Cables

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

MODEL 53-5800 | All Models except as indicated

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		57-5800, Gage; Balance, tell-tale lamp
Temperature indicator—type		57-5800, Gage; Balance, tell-tale lamp
Oil pressure indicator—type		57-5800, Gage; Balance, tell-tale lamp
Fuel indicator—type		Gage
Other		Clock, tachometer, cigarette lighter
Ignition switch	Identify positions in order and circuits controlled	2nd position CCW from vertical - ACC (accessories) 1st position CCW from vertical - LOCK (off, locked) Vertical - OFF (unlocked) 1st position CW from vertical - ON (ignition, batt., access.) 2nd position CW from vertical - Start (starter, spring return to on)
	Provision for illumination	Instrument lamps
	Location	Right of steering column on instru. cluster
Main lighting switch	Identify positions and lamps controlled	Full depressed - off 1st position - instru. panel, parking, tail and license lamps 2nd position - same as 1st position except headlamps in place of parking lamps CW rotation - instr. panel lamps dim to off CCW rotation - instr. panel lamps off to bright; full CCW rotation, (dome lamp and/or courtesy lamps on)
Other light switches	Locations and lamps controlled	Toe panel- - - - - - -dimmer switch Glove compart- - - - - - -glove comp. lamp Front door hinge pillars-dome and courtesy lamps Steering column- - - - -Direction signal indicators and lamps Brake pedal pendent- - -Stop lamps Steer. mast jacket- - -back up lamps exc. 57-5800 Pwrgld & all 4-sp Parking brake lever- - -park. brake alarm
Other switches	Locations and devices controlled	Rt. of steer. col., below instru. panel - overdrive Rt. of steer. col., base of instru. panel - heater controls Doors or quarter trim panels - - - - - - - power windows Rt. side of instru. cluster - - - - - - - - - radio Lt. side of instru. cluster - - - - - - - - - W/S wipers Lt. of steering col., below instru. panel - tailgate window motor Steer. column- - - - - - - - - - trans. neut. safety switch Lt. side of frt. seat lower panel - power seats Lt. of steer. col., below instr. panel - power top W/S washer - - - - - - - - - W/S wiper switch
Windshield wiper	Make	Delco
	Type	Electric; single-speed except 57-5800, 2-speed
	Vacuum booster provision	None
	Washer provision	None
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	8.00-11.0 @ 12.5V

Optional equipment: Clock, 53-5400; tachometer with V-8 engines; glove comp. lamp, 53-5400; door jam switches for domelamp, 53-5400; courtesy lamps, except convertibles; back up lamps except 55-56-57-5800; parking brake alarm; overdrive; Power windows; power seats; radio; tailgate window motor; except 3-seat wagon: Auto. transmission; power top; two-spee

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ELECTRICAL—LAMP BULBS

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

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		Except 57-5800, 1-1895; 57-5800, Gage by "Instrument" Lamps	
Charge indicator		Except 57-5800, 1-1895; 57-5800, 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)	
Prkg. 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)	
Ash Tray	1-1445	Optional
Auto. Trans. Indicator Dial	Except 57-5800, 1-1445; 57-5800, 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 53-5400. On 56 and 5800 with Tachometer, Clock illuminated with 1-1895.

(b) Optional on 53-5400.

(c) Optional 53-5400.

(d) Optional Except Convertibles.

(e) Available only on 57-5800 with 4-speed or Automatic transmission.

Regular Production Lamps (Continued)

Heater Controls	1-1895
Temperature Indicator	Except 57-5800, 1-1895; 57-5800, Gage by "Instr." Lamps
Fuel Gage	"Instrument" Lamps

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ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

All fuses in fuse panel unless otherwise indicated

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	(a) - - - 15 C. B.	(b) Traffic Hazard Indicator
Headlamp beam indicator	(a)	(f) - - Heater AGC 10; with A. C. AGC 30
Parking lamp	(a)	Air Conditioning
Tail lamp	(b) - - - AGC 15	In Line - - Blower Motor AGC 30
Stop lamp	(b)	(f) Circuit
Direction indicator	(c)	(f) Defogging Unit
License plate lamp	(b)	W/S Wiper (2-speed)
Instrument lamp	(c)	14 C. B. - - - Switch
Ignition lamp	- -	(g) Circuit
Back up lamp	(d) - - - AGC 10	Spot Lamp
Dome lamp	(b)	(b) Inside Operated
Clock	(b)	(b) Portable
Clock lamp	- - with Tach. (c)	Courtesy Lamps
Radio	(e) - - - AGC 2.5	(b) Instru. Panel
Glove compartment lamp	(b)	(b) Seat Separator
Cig. Lighter	(b)	(d) Fuel Gage
W/S Wiper (Single Speed)	(g) - - - SAE 20	40 C. B. - - Folding Top Motor
Park. Brake Alarm	(d)	40 C. B. - - Power Seats
Gen. Temp. & Oil Indicators	(d)	40 C. B. - - Power Windows
Tachometer	(d)	40 C. B. - - Tailgate Motor
Heater Control Lamp	(c)	In Line - - Overdrive Solenoid AGC 15
Auto. Trans. Dial Indicator	(c)	
Underhood Lamp	In Line - - - SAE 4	
Lugg. Compt. Lamp	(b)	
Ash Tray 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.

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MODEL 53-5800 — All Models except as indicated

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		All except V-8's with 4-speed-Chevrolet, single dry disk (a)
Type pressure plate springs		All except V-8's with 4-speed-diaphragm (b)
Effective plate pressure (lb.)		(c)
No. of clutch driven discs		One with two friction surfaces
Clutch facing	Material	(d)
	Outside & inside dia.	L6's with 3-speed and OD-9, 12, 6, 12 (e)
	Total eff. area (sq.in.)	L6's with 3-speed and OD-71.8 (f)
	Thickness	.135 each 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-speed Standard; 4-speed Optional with V-8 engines
Manual with overdrive (std. or opt.)	Optional
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

			All L-6 3-speeds	All V-8 3-speeds	All V-8 4-speeds
Number of forward speeds					
Transmission ratios	In first		2.94	2.58	2.56
	In second		1.68	1.48	1.91
	In third		1.00	1.00	1.48
	In fourth		--	--	1.0
	In reverse		2.94	2.58	2.64
Synchronous meshing, specify gears			2nd and 3rd		All forward gears
Shift lever location			Steering column		Floor
Lubricant	Capacity (pt.)		2		2.5
	Type recommended		Meeting Military Specification MIL-L-2105-B		
	SAE viscosity number	Summer	SAE 80		
		Winter	SAE 80		
		Extreme cold	SAE 80		

(a) V-8's with 4-speed; Chevrolet, single dry disk, centrifugal.

(b) V-8's with 4-speed; Diaphragm, bent finger design.

(c) Reg. Production L6 with: 3-speed and OD-1250-1450; Heavy Duty-1900-2200. Optional L6 with: 3-speed -1500-1800; OD - 1700-1950; Heavy Duty - 1900-2200 Reg. Production and Optional V-8 with: 3-speed and OD-1700-1950; 4-speed-2100-2300.

(d) Woven asbestos except L-6's with Heavy Duty clutch-woven front and molded rear facings; V-8's with 4-speed-premium woven asbestos.

(e) L-6's with Heavy Duty clutch - 10.0, 6.0; V-8's with 3-speed and OD-10.0, 6.5; V-8's with 4-speed 10.4, 6.5.

(f) L-6's with Heavy Duty - 100.5; V-8's with 3-speed and OD-90.7; V-8's with 4-speed 103.5.

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MODEL 53-5800

	REGULAR PRODUCTION L-6 ENGINE	RPO 6-L61 L-6 ENGINE	REGULAR PRODUCTION V-8 ENGINE	RPO 6-L77 V-8 ENGINE

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			Output shaft RPM: 1100 Deceleration; 1440 Acceleration		†
	Gear ratio			7:1		
	Lubricant	Capacity (pt.) (Overdrive only)		1		
		Separate filler (yes, no)		No		
		Type recommended		Meeting Military Spec. MIL-L-2105-B		
		SAE viscosity number	Summer	SAE 80		
			Winter	SAE 80		
			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 (Floor mounted on 57-5800 models, st. column on all others		
Selector Pattern		P-R-N-D-L		
List gear ratios Selector Pattern and indicate which are used in each selector position		D-1.82:1 to 1:1 L and R-1.82:1		
Max. upshift speeds—drive range		49	54	59 •
Max. kickdown speeds—drive range		46	51	56 •
Torque convertor	Number of elements	3		
	Max. ratio at stall	Reg. Prod. L-6 - 2.40:1; optional L-6 and V-8's-2.10:1		
	Type of cooling (air, water)	L-6's-Air; V-8's-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	Same as Manual
	Automatic transmission	Same as Manual

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

(Continued)

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MODEL 53-5800 | All Models except as indicated

DRIVE UNITS—PROPELLER SHAFT (cont.)

Intermediate 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)	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)			Regular Prod. -Semi-Floating; Integral rear beam consisting of cast iron differential carrier with pressed-in tubular rear 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		53-5500 Series station wagons - 3.36:1; remainder-3.08:1
	Overdrive transmission		3.70:1
	Automatic transmission		Same as Manual
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		Meeting 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		

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MODEL 53-5800 — All Models except as indicated

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	Sta. Wgns and Pickups - 7.00 x 14-4PR; Balance-6.50x14-4PR
	Type - Nylon, etc.	Rayon, Tubeless, Blackwall
Rev/mile at 50 mph.		6.50 x 14-815; 7.00 x 14-817
Inflation press.(cold)	Front	24
	Rear	24 lb except Wagons, 28 lb
Optional tires - size and ply		7.00 x 14-4PR, Hyway, Rayon, Whitewall; 7.50 x 14-4PR(*), Hyway Nylon, Blackwall; 7.50x14-4PR(*), Hyway, Nylon, Whitewall; 7.50x14-4PR, Hyway, Rayon, Whitewall; 7.50x14-6PR(**), Hyway Rayon, Blackwall; 7.50x14-4PR, Hyway, Rayon, Blackwall (a)

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.)			Bendix or Delco-Moraine vacuum power unit assisting Master cylinder; Integral	
Effective area (sq. in.)*			170.8	118.1 (b)
Gross lining area (sq. in.)**			170.8	118.1 (b)
Swept drum area (sq. in.)***			228.6	
Percent brake effectiveness—front			59.5	
Drum	Diameter	Front	9.5	
		Rear	9.5	
	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.

(a) Also: 6.50 x 14-4PR, Hyway, Rayon, Whitewall.

* - Items indicated "*" 4 ply construction.

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

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BRAKES—SERVICE (cont.)

				Regular Production	Metallic
Brake lining	Bonded or riveted			Bonded	Welded
	Front Shoe	Material		Molded asbestos	Sintered Iron
		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	Sintered Iron
		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 crossmembers and 1 non-structural crossmember for engine rear mount

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

(Continued)

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

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SUSPENSION FRONT (cont.)

Spring	Type	Coil	
	Material	Steel alloy	
	Size (coil design height & I.D.; bar length x dia.	L-6: 10.51 and 3.63; 134.39 x .591	V-8: 10.51 and 3.63; 134.39 x .591
	Spring rate (lb. per in.)	245	245
	Rate at wheel (lb. per in.)	90.5	90.5
	Design load (lb. @ design height)	10.51 @ 1590	10.51 @ 1620
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		Tilt: tilt achieved with universally-jointing steering shaft at base of steering wheel; 5 inch vertical travel range
		(std., opt.; NA)		Optional with Power Steering except with 3-speed
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
Power	Type (coaxial, linkage, etc.)			Hydraulic: Control valve integral and coaxial with steering gear
	Make			Saginaw
	Gear	Type		Same as Manual
		Ratios	Gear	17.5:1
			Overall	20.4:1
	Pump driven by			Crankshaft pulley
	Number wheel turns			3.98 Lock to lock
Linkage	Type			Parallel relay
	Location (front or rear of wheels, other)			Front of wheels
	Drag link (trans. or longit.)			None
	Tie rods (one or two)			2

(Continued)

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MODEL 53-5800

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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		Positive 10 minutes to positive 70 minutes(curb)
	Camber		Negative 13 minutes to positive 47 minutes(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 5.5; 108.34 x .536
	Spring rate (lb. per in.)			115
	Rate at wheel (lb. per in.)			110.5
	Design load (lb. at design height)			7.18 @ 735
	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

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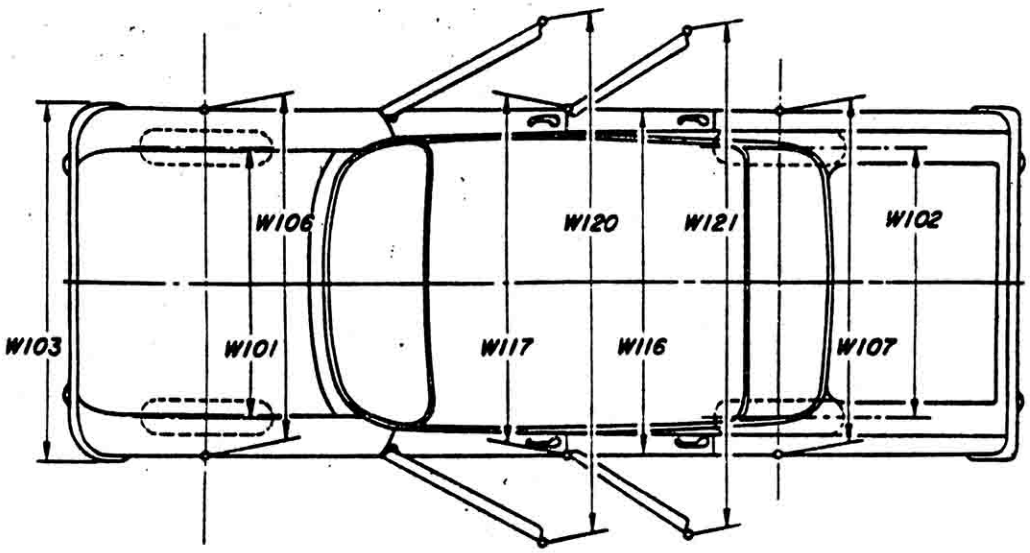
CAR AND BODY DIMENSIONS—GENERAL

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

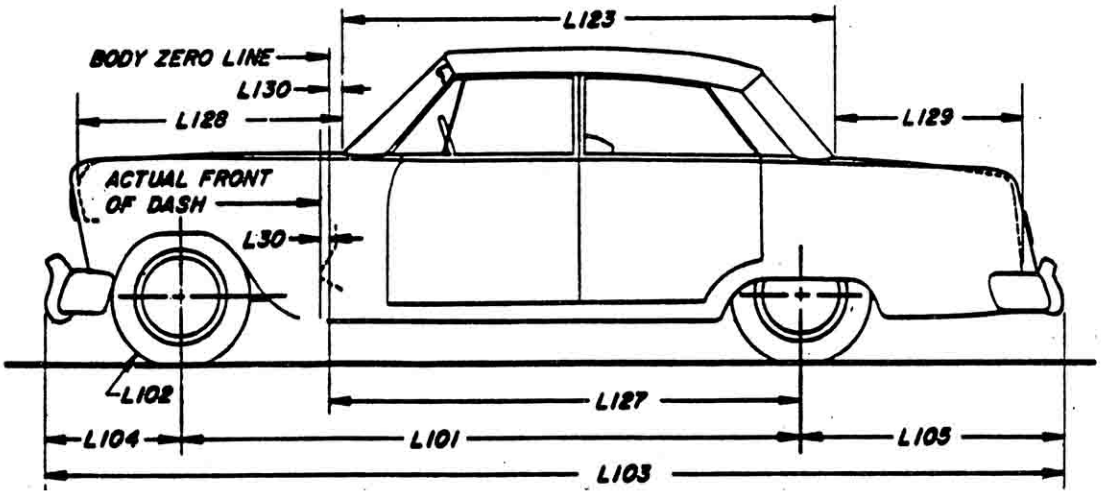


MODEL	Ref. No.	Sedans 2-Dr.	Sedans 4-Dr.	Sport Coupe	Convertible	Station Wagon 2-Dr.	Station Wagon 4-Dr.	Sedan Pickup
Tread – front	W101	58.0						
Tread – rear	W102	58.0						
Maximum overall car width	W103	73.2						
Maximum overall body width	W116	74.0						
Maximum body width at #2 pillar	W117	--	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** 9-23-63 **REVISED(•)** _____

EXTERIOR LENGTH DIMENSIONS

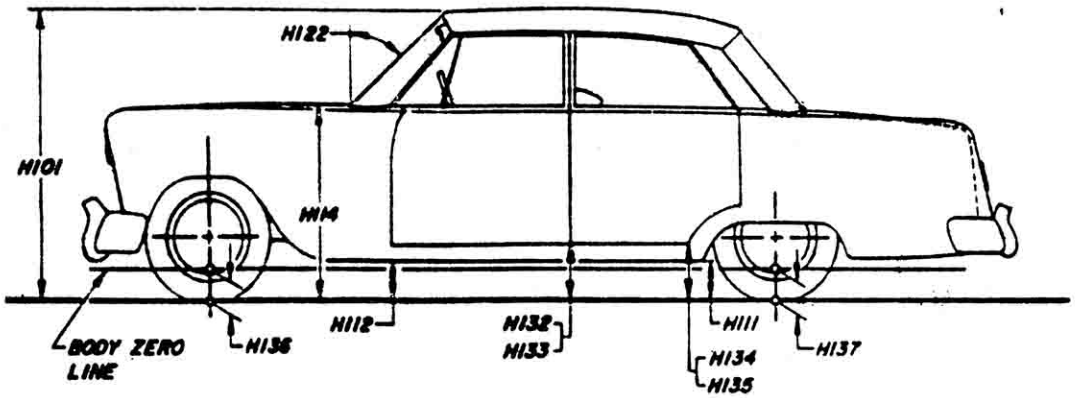


MODEL	Ref. No.	Sedans 2-Dr.	Sedans 4-Dr.	Sport Coupe	Convertible	Station Wagon 2-Dr.	Station Wagon 4-Dr.	Sedan Pickup
Body zero line to actual front of dash	L30	.0						
Wheelbase	L101	115.0						
Overhang – front	L104	30.9						
Overhang – rear	L105	48.0				52.9		53.0
Overall length	L103	193.9				198.8		
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 9-23-63 REVISED (*)

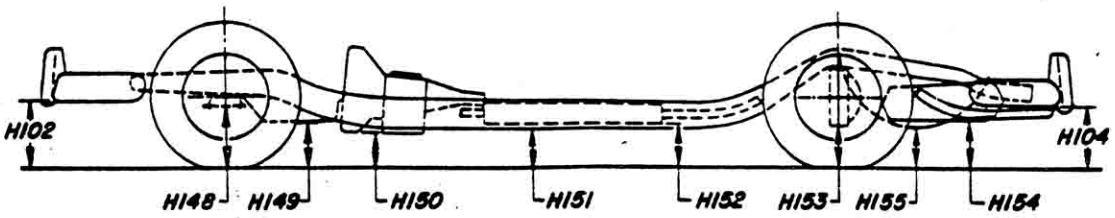
EXTERIOR HEIGHT DIMENSIONS

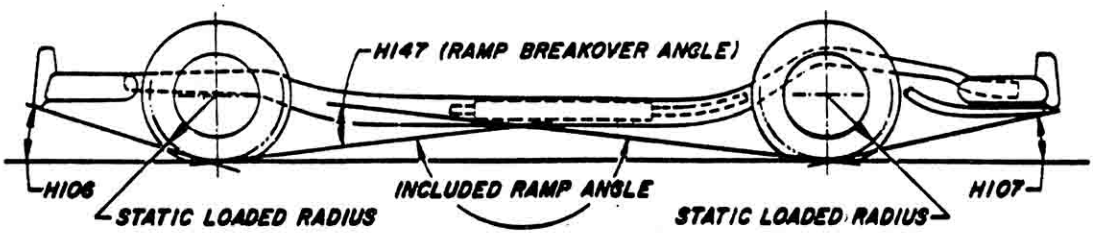


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Overall height	H101	54.5		54.0		54.1		
Hood at rear to ground	H114	31.9						
Rocker panel to ground – front	H112	8.8						
Rocker panel to ground – rear	H111	8.1						--
Bottom of door to ground, 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						

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

GROUND CLEARANCE DIMENSIONS



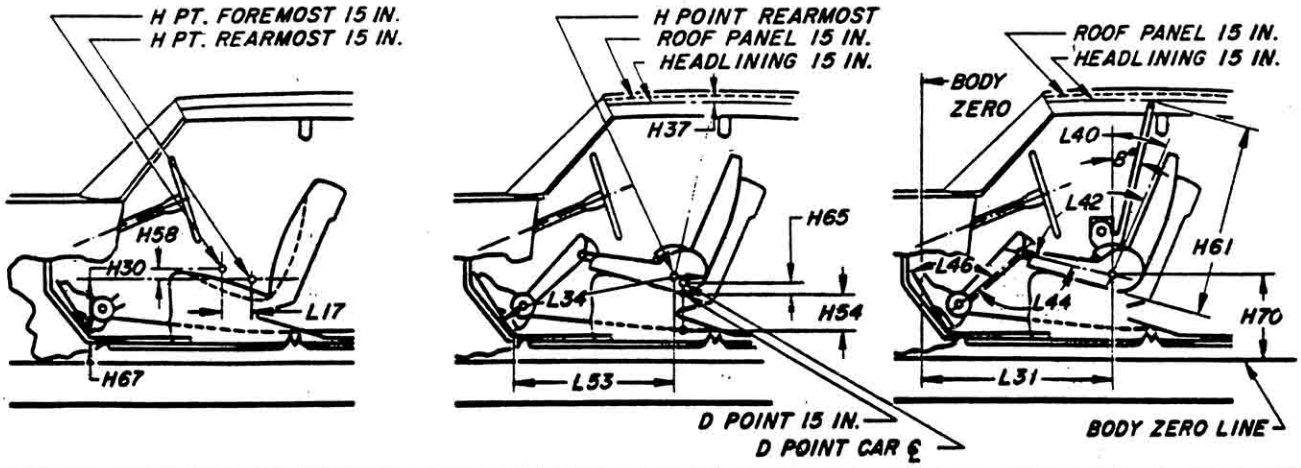


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Front bumper to ground	H102	13.5		13.4		12.7		
Rear bumper to ground	H104	13.5				10.3		
Angle of approach	H106	29.1°				30.0°		30°
Angle of departure	H107	15.6°		16.3°		12.4°		12°
Ramp breakover angle	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 9-23-63 REVISED (•)

FRONT COMPARTMENT DIMENSIONS



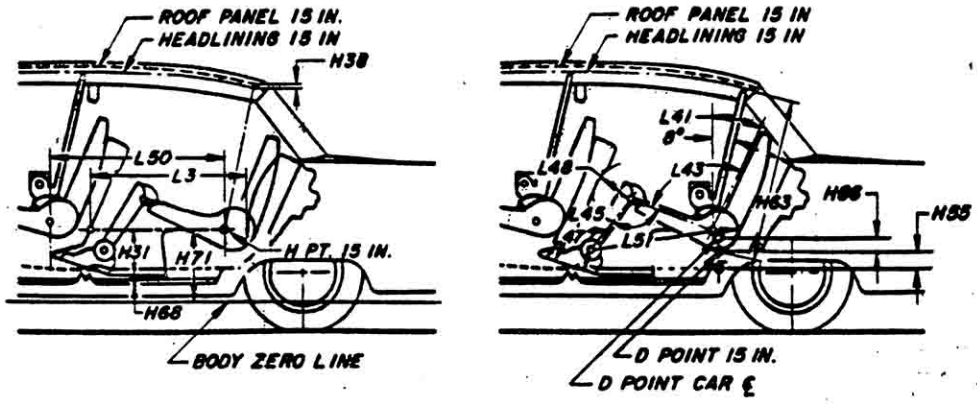
MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point to body zero line	L31	42.1		42.0	41.9	42.0	41.9	42.1		41.9
H Point to body zero line - front	H70	19.3		19.3	18.8	19.3	19.2	19.8		19.3
Effective head room	H61	38.6		38.1	37.9	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 9-23-63 REVISED(•)

REAR COMPARTMENT DIMENSIONS



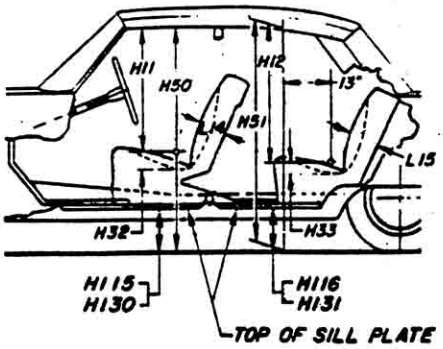
MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point couple distance	L50	33.6		31.5	31.6	31.5	31.6	33.6		--
H Point to body zero line - rear	H71	19.2		19.0	18.8	19.0		19.8		--
Effective head room	H63	37.3		36.7	36.7	36.8	36.8	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		--

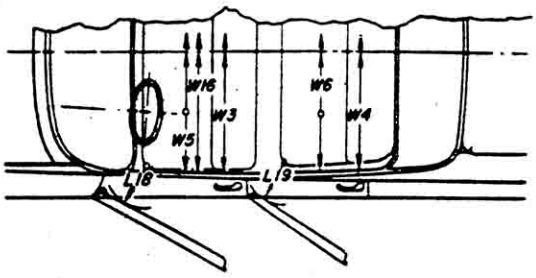
(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

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

SEAT AND ENTRANCE DIMENSIONS



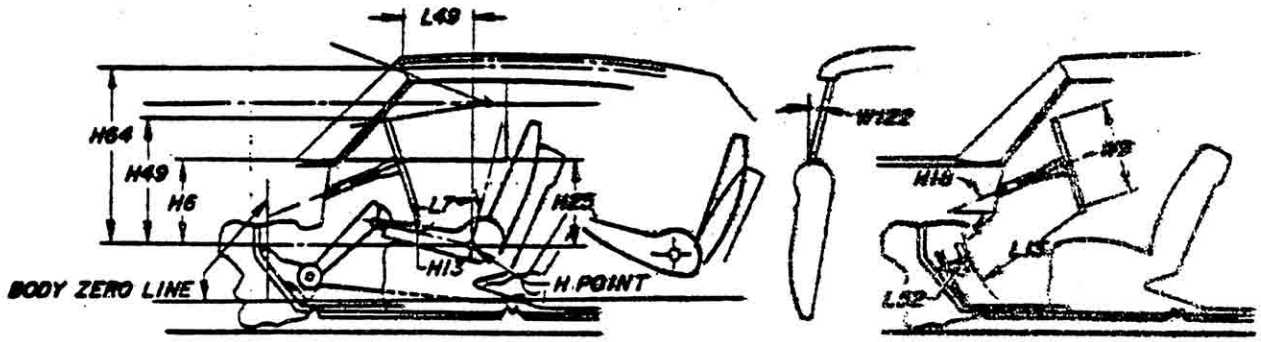


	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
Shoulder room – front	W3	58.8								
Hip room – front	W5	59.9								
Seat width – front	W16	53.8		23.3		53.8	23.3	53.8		
Upper body opening to ground – front	H50	NA								
Entrance height – 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 – ream	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

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

VISION AND CONTROL DIMENSIONS



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		
Tumble-home	W122	18.0°						17.8°		18°

(a) Bench seat; (b) bucket seat

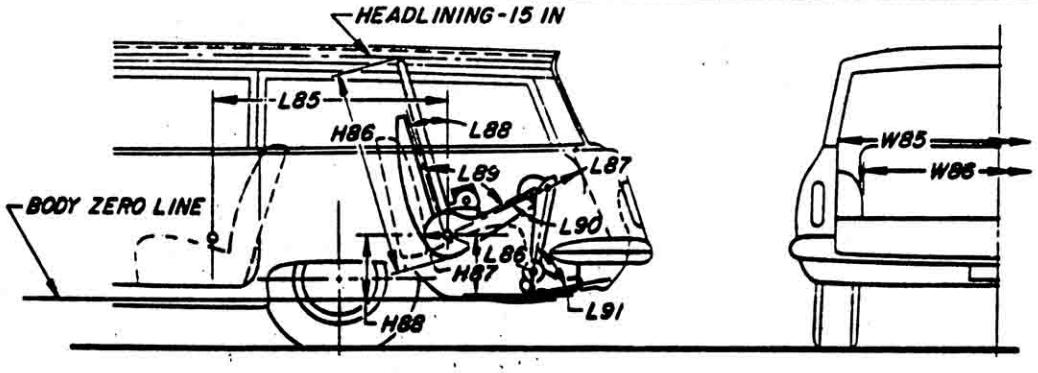
AMA Specifications – Passenger Car

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

LUGGAGE COMPARTMENT

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.rr.quarter	Back of frt.seat
Method of holding lid open		Torsion bars, counterbalanced				

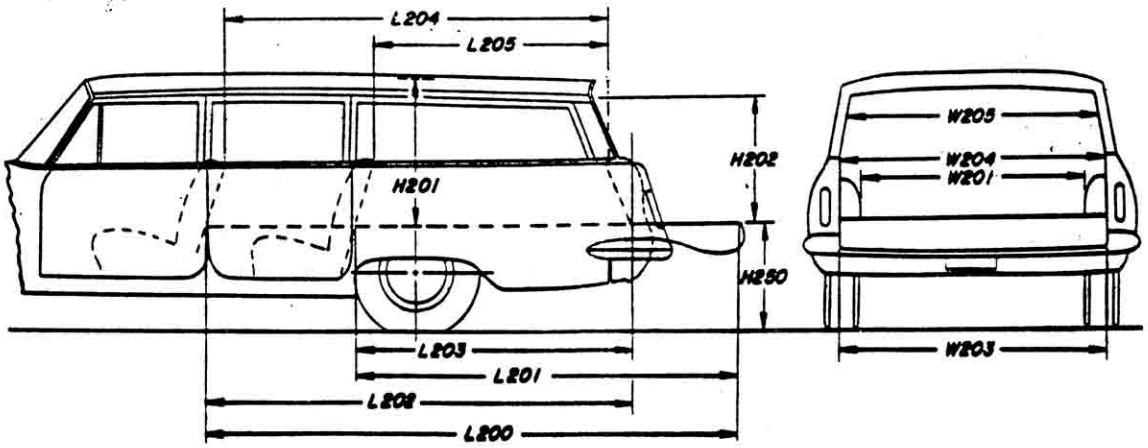
THIRD SEAT DIMENSIONS



MODEL	Ref. No.	5545-5645
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°

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

STATION WAGON—CARGO SPACE DIMENSIONS



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.) $\frac{W4 \times L204 \times H201}{1728}$		86.0	

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

AMA Specifications – Passenger Car

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

MODEL	Sedans 2-Dr	Sedans 4-Dr	Sport Coupe	Convertible	Station Wagon 2-Dr	Station Wagon 4-Dr	Sedan 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		6-cyl. - on crankcase, RH side of engine, rear of distributor 8-cyl. - on top front of RH bank of cylinder and case						
Theft protection - type								
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 - NA on buckets
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		Std. on 55-56-57-5800; optional 53-5400
Air Conditioner (specify type and availability)		All-weather, Deluxe, optional

(a) 1" Polyfoam on Malibu Super Sport.

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-6 REVISED (e)

WEIGHTS

Model	CURB WEIGHT - POUNDS Front	Rear	Total	% PASS. WEIGHT DISTRIBUTION Pass. In Front Front	Pass. In Front Rear	Pass. In Rear Front	Pass. In Rear Rear	SHIPPING * WEIGHT
CHEVELLE 300		6-cyl.	8-cyl.					6-cyl. 8-cyl.
5311-5411 2-Door Sedan		2970	3110	31	69			2825 2955
5335-5435 4-Door St.wag.		3275	3410	31	69			3130 3250
5315-5415 2-Door St.wag.		3195	3330	31	69			3050 3170
5369-5469 4-Door Sedan		3000	3135	31	69			2850 2980
MALIBU		6-cyl.	8-cyl.					6-cyl. 8-cyl.
5545-5645 4-Door St.wag.		3390	3520	22	78			3240 3365
5535-5635 4-Door St.wag.		3290	3420	31	69			3140 3265
5537-5637 2-Dr. Spec Cpe		2995	3130	38	62			2850 2975
5567-5667 2-Dr Convert.		3145	3280	38	62			2995 3120
5569-5669 4-Door Sedan		3015	3150	31	69			2870 2995
MALIBU SUPER SPORT		6-cyl.	8-cyl.					6-cyl. 8-cyl.
5737-5837 2-Dr. Spec Cpe		3025	3155	38	62			2875 3000
5767-5867 2-Dr Convert.		3170	3300	38	62			3020 3145
El Camino								
5380-5480 2-Dr. Sedpickup		3080	3215	12	88			2935 3055
5580-5680 2-Dr. Sedpickup		3080	3215	12	88			2935 3055

Accessories & Equipment Differential Weights		6-cyl.	8-cyl.	Remarks
Air conditioning, (a)		+122	+125	
Air conditioning, (b)		+ 95	+105	
Brakes, power		+ 10	+ 10	
Heater, deduct		- 23	- 23	
Radio, manual		+ 7	+ 7	
Radio, push button		+ 9	+ 9	
Seat, 4-way power		+ 20	+ 20	
Transmission, Powerglide		+ 16	+ 16	
Transmission, 4-Speed		+ 1	+ 1	
Window, power		+ 20	+ 20	
Transmission, overdrive		+ 29	+ 29	
Steering, power		+ 28	+ 28	

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

Form Rev. 5-6

(a) Custom Deluxe

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 H64) 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 L40.

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, exluding 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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