

AMA Specifications—Passenger Car

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MANUFACTURER	Chevrolet Motor Division General Motors Corporation	CAR NAME	CORVAIR
MAILING ADDRESS	Chevrolet Engineering Center 30003 Van Dyke, Warren, Michigan 48090	MODEL YEAR	1969
		ISSUED:	10-15-68
		REVISED (e)	

NOTES:

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

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Car & Body Dimensions	1,2	Drive Units	14	Suspensions	21
Engine - Mechanical	4	Brakes	18, 19	Weights	24
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BODY - TYPES AND STYLE NAMES -	Body type, style names; use manufacturer's code for series & body style.
CORVAIR 500	
2-Door Sport Coupe	10137
MONZA	
2-Door Sport Coupe	10537
2-Door Convertible	10567

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

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

MODEL	SAE Ref. No.	Sport Coupes		Convertible
		Bench	Bucket	
WIDTH				
Track - Front	W101		55.0	
Track - Rear	W102		56.6	
Maximum overall car width	W103		70.0	
Body width at No. 2 pillar	W117		---	
LENGTH				
Body "O" to front of dash	L 30		0.0	
Wheelbase	L101		108.0	
Overall car length	L103		183.2	
Overhang - front	L104		32.9	
Overhang - rear	L105		42.3	
Body upper structure length	L123		92.0	
Body "O" line to C of rear wheel	L127		99.0	
Body "O" line to w/s cowl point	L130		10.8	
HEIGHT				
Passenger Distribution (front & rear)		<u>2 Front; 3 Rear</u>		
Trunk/Cargo load (lbs.)				
Overall height	H101	51.2		51.5
Cowl height	H114			
Deck height	H138			
Rocker panel - front	To ground		7.1	
	From front wheel C			
Rocker panel - rear	To ground		6.6	
	From rear wheel C			
Windshield slope angle	H122		52.9	
GROUND CLEARANCE				
Bumper to ground - front	H102		16.8	
Bumper to ground - rear	H104		16.6	
Angle of approach	H106	26.0	25.8	25.3
Angle of departure	H107	16.6	16.7	16.6
Ramp breakover angle	H147	14.7	14.5	14.2
Min. running clearance (Specify)	H156		6.6 (H153)	

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See Pages 25, 26 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	Sport Coupes		Convertibles
		Bench	Bucket	
FRONT COMPARTMENT				
Effective head room	H61	37.9	37.6	38.3
Max. eff. leg room — accelerator	L34		40.9	
H Point to Heel point	H30			7.5
H Point travel	L17		4.0	
Shoulder room	W 3		54.7	
Hip room	W 5		56.1	
Upper body opening to ground	H50	46.8		47.1
REAR COMPARTMENT				
H Point couple distance	L50	28.7	28.6	28.8
Effective head room	H63	36.5	36.5	38.2
Min. effective leg room	L51	30.7	32.2	33.9
H Point to Heel point	H31	8.8	8.9	8.9
Min. knee room	L48	.9	1.2	1.4
Rear Compartment room	L 3	23.8	24.5	25.2
Shoulder room	W 4		52.6	48.2
Hip room	W 6		54.9	48.1
Upper body opening to ground	H51		----	
LUGGAGE COMPARTMENT				
Usable luggage capacity	V 1		7.0	
Liftover height	H195		27.5	
Position of spare tire storage				
Method of holding lid open				
STATION WAGON — THIRD SEAT				
Shoulder Room	W85			
Hip room	W86			
Effective leg room	L86		NOT	
Effective head room	H86		AVAILABLE	
Seat facing direction				
STATION WAGON — CARGO SPACE				
Cargo length at floor — front seat	L202			
Cargo length at belt — front seat	L204			
Cargo width — Wheelhouse	W201		NOT	
Opening width at belt	W204		AVAILABLE	
Maximum cargo height	H201			
Rear opening height	H202			
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2			

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A C ratio) ***		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		A	B	C
ALL MODELS	164 Std	Two; 1-Bbl Down-draft	8.25:1	95 @ 3600	154 @ 2400	3-Spd (3.11:1 low) and	3.55	----	----
						4-Spd* (3.11:1 low) Powerglide*			
	164 Opt (L62)	Two; 1-Bbl Down-draft	9.25:1	110 @ 4400	160 @ 2800	3-Spd (3.11:1 low) and	3.27	----	3.55
						4-Spd* (3.11:1 low) Powerglide*			
	164 Opt (L63)	Four; 1-Bbl Down-draft	9.25:1	140 @ 5200	160 @ 3600	3-Spd (3.11:1 low) and	3.55	----	----
						4-Spd* (3.11:1 low) Powerglide*			

A - Standard

B - Economy

C - Performance

* - Optional

** - Positraction axles available optionally in ratios shown

*** - Air Conditioning not available

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ENGINE—GENERAL

Type, no. cyls., valve arr.	Horizontally opposed, 6-cylinder OHV		
Bore and stroke (nominal)	3.4375 x 2.94		
Piston displacement, cu. in.	164		
Bore spacing (C to C)	4.85		
No. system	6-4-2		
(front to rear)	5-3-1		
Firing order	1-4-5-2-3-6		
Compress. ratio (nominal)	8.25:1		9.25:1
Cylinder Head Material	Cast aluminum		
Cylinder Block Material	Cast aluminum		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	2°33'		
Taxable horsepower	2.5	28.4	
Publishing max. bhp* @ eng. RPM	95 @ 3600	110 @ 4400	140 @ 5200
Publishing max. torque* (lb. ft. @ RPM)	154 @ 2400	160 @ 2800	160 @ 3600
Recommended fuel regular - premium	Regular	Premium	

ENGINE—PISTONS

Material	Cast aluminum alloy		
Description and finish	Flat head; slipper skirt		
Weight (piston only) oz.	15.49	19.21	15.49
Clearance (limits)	Top land	.0210-.0320	
	Skirt	Top	.0011-.0017 (a)
		Bottom	
Ring groove depth	No. 1 ring	.1925-.1990	
	No. 2 ring	.1925-.1990	
	No. 3 ring	.1860-.1925	
	No. 4 ring	None	

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

(a) Measured 2.01 from top of piston

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ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	Upper Cast alloy iron-tapered face-inside bevel chrome plated (a)
		Lower Cast alloy iron-tapered face-inside bevel-wear resistant coating
	Width	.0620-.0625
	Gap	.010-.020
Oil	Description - material, coating, etc.	Multi-piece (2 rails and one spacer expander) Steel rails-chrome plated O. D. Spacer expander-alloy steel
	Width	.1215-.1255 (assembled)
	Gap	.015-.055
	Expanders	In oil ring assembly

ENGINE—PISTON PINS

Material	Chromium steel		
Length	2.630-2.650		
Diameter	.7999-.8002		
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bush- ing	In rod or piston	None
		Material	None
Clearance	In piston	.00015-.00025	
	In rod		
Direction & amount offset in piston	Major thrust side .055-.065		

ENGINE—CONNECTING RODS

Material	Drop forged steel	
Weight (oz.)	11.49	
Length (center to center)	4.719-4.721	
Bearing	Material & Type	Premium aluminum
	Overall length	.639
	Clearance (limits)	.0007-.0028
	End play	.0055-.0105

(a) High ductile iron-inside bevel-straight face-molybdenum filled groove.

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ENGINE - CRANKSHAFT

Material	Forged alloy steel		
Vibration damper type	None	Rubber mounted inertia damper	
End thrust taken by bearing (No.)	#1 (at rear of engine)		
Crankshaft end play	.002-.007		
Main bearing	Material & type	Premium aluminum	
	Clearance	#1(.0005-.0020) #2(.0002-.0013) #3(.0005-.0010) #4(.0003-.0013)	
	Journal dia. and bearing overall length	No. 1	2.0996 x .787
		No. 2	2.0991 x .752
		No. 3	2.0996 x .752
		No. 4	2.0996 x .752
		No. 5	None
	No. 6	None	
	No. 7	None	
Dir. & amt. cyl. offset	None		
Crankpin journal diameter	1.799-1.800		

ENGINE - CAMSHAFT

Location	Directly below crankshaft		
Material	Cast alloy iron		
Bearings	Material	No inserts, aluminum crankcase	
	Number	Machined for bearing surface	
Type of Drive	Gear or chain	Gear	
	Crankshaft gear or sprocket material	Steel	
	Camshaft gear or sprocket material	Cast aluminum	
	Timing chain	No. of links	None
		Width	---
Pitch		---	

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)	Standard	
Valve rotator, type (intake, exhaust)	None	
Rocker ratio	1.57:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	Zero

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ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	26°	37°	26°	
		Closes (°ABC)	60°	81°	60°	
		Duration - deg.	266°	298°	266°	
	Exhaust	Opens (°BBC)	60°	79°	60°	
		Closes (°ATC)	26°	39°	26°	
		Duration - deg.	266°	298°	266°	
	Valve opening overlap		52°	76°	52°	
Intake	Material		High alloy steel-aluminized face			
	Overall length		4.4891-4.5091		4.5342-4.5542	
	Actual overall head dia.		1.335-1.345		1.715-1.725	
	Angle of seat & face		45° (seat) 44° (face)			
	Seat insert material		Sintered alloy iron			
	Stem diameter		.3414-.3422			
	Stem to guide clearance		.0010-.0028			
	Lift (@ zero lash)		.4030	.4090	.4030	
	Outer spring press. & length	Valve closed (lb.@ in.)	78-86 @ 1.66			
		Valve open (lb.@ in.)	170-180 @ 1.26			
	Inner spring press. & length	Valve closed (lb.@ in.)	Spring damper			
		Valve open (lb.@ in.)	Spring damper			
	Exhaust	Material		Silicon and chromium alloy steel		
		Overall length		4.4941-4.5141		4.4891-4.5091
Actual overall head dia.		1.235-1.245		1.355-1.365		
Angle of seat & face		45° (seat) 44° (face)				
Seat insert material		Cast chromium steel alloy				
Stem diameter		.3407-.3418				
Stem to guide clearance		.0014-.0035				
Lift (@ zero lash)		.4030	.4090	.4030		
Outer spring press. & length		Valve closed (lb.@ in.)	78-86 @ 1.66			
		Valve open (lb.@ in.)	170-180 @ 1.26			
Inner spring press. & length		Valve closed (lb.@ in.)	Spring damper			
		Valve open (lb.@ in.)	Spring damper			

ENGINE – LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Main and cam front bearing throw off
	Cylinder walls	Connecting rod bearing throw off

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ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. engine rpm)	30 PSI @ 2000
Oil press. sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part., other)	Full flow
Filter replacement (element, complete)	Complete
Capacity of c./case, less filter-refill (qt.)	4.0
Oil grade recommended (SAE viscosity and temperature range)	32°F and Above ----- SAE 30 or SAE 10W - 30 10°F to 32°F ----- SAE 10W or SAE 10W - 30 Below 10°F ----- SAE 5W or SAE 5W - 20
Engine Service Reqmt. (MM, MS, etc.)	MS or DG

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single with crossover	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow	Two; reverse flow
Exhaust pipe dia. (O.D., wall thick.)	Branch	1.375 x .067 - .081
	Main	1.875 x .067 - .081
Tail pipe dia. (O.D. & wall thickness)	1.75 x .042 - .052	

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	None
Make and model		----
Location		Tubing & hosing from underside of air-cleaner to rear of engine shrouding
Control Unit	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum and/or carburetor air stream
	Control method (variable orifice, fixed orifice, other)	Variable orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Carburetor air and compressor inlet
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor air cleaner
	Flame arrester (screen, check valve, other)	Fixed orifice

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	95 HP	110 HP	140 HP
MODEL _____	Manual Auto	Manual Auto	Manual Auto

ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air injection reactor equipment					
Air Injection Pump	Type	Semi-articulated vane type					
	Displacement	19.3					
	Drive ratio	1.15:1					
	Drive type	Crankshaft pulley					
	Relief valve (type)	Diverter valve separate from pump					
	Filter (describe)	Centrifugal air cleaner					
Air Injection System	Air distribution (head, manifold, etc.)	Manifold					
	Point of entry	Exhaust ports					
	Injection tube I.D.	.2560					
	Check valve type	Pressure (plate type)					
	Backfire protection (type)	Diverter valve					
Carburetor	Make						
	Model	REFER TO					
	Barrel size						
	Idle speed	Drive					
		Neutral	PAGE TEN				
Idle A/F mixture	Not specified						
Distributor	Aux. Adv. Systems (type)	None					
	Make	Delco-Remy					
	Model	1110452	1110453	1110454	1110455	1110454	
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	900	1700	900	800	900
		Intermed. points deg. @ rpm					
	Vacuum adv. in crank degrees @ eng. rpm	Max. deg. @ rpm	28 @ 4200	20 @ 4200	26 @ 4400	20 @ 4800	26 @ 4400
		Start (in Hg)	7.00				
	Vacuum Source	Intermed. points deg. @ in. Hg	24 @ 15				
Max. deg. @ in.							
Timing - Crank degrees @ rpm		6BTC@700	14BTC@600	4BTC@700	12BTC@600	4BTC@650 4BTC@550	
Cooling System							
Exhaust System							

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ENGINE—FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U.S. gals.)	14 (approximately)	
	Filler location	Left front fender crown	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Mounted on engine rear housing	
	Pressure range	5.50-6.75 PSI	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gas tank;	
	Locations	sintered bronze filter in carburetor inlet	
Carburetor	Choke type		Automatic
	Intake manifold heat control (exhaust or water)		Carburetors, manifold and intake air warmed by recirculating engine cooling air
	Air cleaner type	Standard	Oil-wetted paper element
		Optional	Pre-oil bath air cleaner
Idle speed (spec. neutral or drive)	Manual	700 (neutral)	650 (neutral)
	Automatic	600 (drive)	550 (drive)
	Idle A/F mix.	Not specified	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
	164 95 hp	3-Speed 4-Speed Powerglide	Rochester	7028005	Two*	1.25
	164 110 hp	3-Speed 4-Speed Powerglide	Rochester	7028005	Two*	1.25
	164 140 hp	3-Speed 4-Speed Powerglide	Rochester	7028005 P 7027026 S	Four**	1.25 Primary & Secondary
* One for each cylinder bank; single barrel downdraft ** Two for each cylinder bank; single barrel downdraft						

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MODEL 10100 & 10500

ENGINE – COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			
Radiator cap relief valve pressure			
Circulation thermostat	Type (choke, bypass)		
	Starts to open at (°F)		
Water pump	Type (centrifugal, other)		
	GPM @ 1000 pump rpm		
	Number of pumps		
	Drive (V-belt, other)		
Bearing type			
By-pass recirculation type (inter., ext.)		REFER TO	
Radiator core type (cellular, tube and fin, other)			
Cooling system capacity	With heater (qt.)	SUPPLEMENT	
	Without heater (qt.)		
	Opt. equipment-specify (qt.)		
Water jackets full length of cyl. (yes, no)		PAGE 11A	
Water all around cylinder (yes, no)			
Radiator hose	Lower	Number and type (molded, straight)	FOR TYPE
		Inside diameter	
	Upper	Number and type (molded, straight)	OF COOLING
		Inside diameter	
	By-pass	Number and type (molded, straight)	
		Inside diameter	
Fan	Number of blades & spacing		
	Diameter		
	Ratio-fan to crankshaft rev.		
	Fan cutout type		
	Bearing type		
*Drive belts (indicate belt used by letter)	Fan		
	Generator or alternator		
	Water Pump		
	Power Steering		
	Air Conditioning		

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V											
Nominal length (SAE)											
Width											

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ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy #1980060		
	Voltage Rtg. & Total Plates		12 volts; 54 plates		
	SAE Designation & Amp. Hr. Rtg.		45 amp/hr @ 20 hr rate		
	Location		Left side of engine compartment		
	Terminal grounded		Negative		
Generator or Alternator	Make		Delco-Remy		
	Model		#1100639		
	Type and rating		Diode rectified - 37 amps		
	Output at engine idle (neutral)		11 amps	16 amps	24 amps
	Ratio—Gen. to Cr/s rev.		2.3:1		
Regulator	Make		Delco-Remy		
	Model		#1119515		
	Type		Vibrator		
	Cutout relay	Closing voltage generator rpm	None		
		Reverse current to open	None		
	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		#1108317		
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure	3 & 4-Speed	Place gearshift in neutral and depress clutch to floor		
		Powerglide	Place control lever in N position		
		Initial Start	Press accelerator pedal to floor, then release. Turn ignition to START and release as engine starts.		
Motor Drive	Engagement type		Positive shift solenoid		
	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion	9		
		Flywheel	Manual	147	
	Auto.		147		
	Flywheel tooth face width	Manual	.3630-.3870		
Auto.		.3630-.3870			

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MODEL _____

ENGINE-COOLING SYSTEM

Type Air, forced supply by centrifugal blower

Engine Shrouding Engine enclosed in sheet metal to direct cooling air over fins on outside of engine cylinders, cylinder head castings and crankcase

	Type	Centrifugal
	Location	Mounted horizontally on top center of engine
	Material	Magnesium
	Diameter	11.20
Engine Blower	Number of vanes	11
	Driven by	"V" belt
	Air flow	1460 cfm @ 4000 engine RPM
	Pulley (PD)	4.1875
	Ratio - fan to crankshaft	1.58:1
	Bearing	Permanently lubricated ball bearing

Drive Belt	Type	"V"
	Pitch length	55.74
	Width	.380
	Angle of "V"	40°

Air Thermo-stats	Function; number	Two; regulates air flow control doors
	Type	Bellows
	Location	Lower part of plenum under front cylinders
	Bellows start to open at	205° (approximately)

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ELECTRICAL - IGNITION SYSTEM		Manual		Auto		Manual		Auto		Manual		Auto			
Type	Conventional - Std., Opt., N.A.				Standard										
	Transistorized - Std., Opt., N.A.				Not available										
	Other (specify)				None										
Coil	Make				Delco-Remy										
	Model				#1115412										
	Amps	Engine stopped				4.0									
Engine idling				1.8											
Distributor	Make														
	Model														
	Cent'fgal adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm)				REFER									
		Intermediate points deg.@rpm				TO									
		Max. deg.@rpm													
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)				PAGE									
		Intermediate points, deg.@in. Hg.				NINE									
Max. deg. in. Hg.															
Breaker gap (in.)				.019											
Cam angle (deg.)				31-34											
Breaker arm tension (oz.)				19-23											
Timing	Crankshaft deg.@rpm (a)		6BTC		14BTC		4BTC		12BTC		4BTC				
	Mark location		Crankshaft pulley		Torsional damper										
Spark Plug	Make				AC Spark Plug										
	Model				AC-R44FF										
	Thread (mm)				14										
	Tightening torque (lb. ft.)				25										
	Gap				.028-.033										
Cable	Conductor type				Linen core impregnated with electrical conducting material										
	Insulation type				Rubber with neoprene jacket										
	Spark plug protector				Neoprene										
ELECTRICAL - SUPPRESSION															
Locations & type												Non-metallic high tension ignition cable			

(a) At idle

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MODEL 95 HP-STD | 110 HP-OPT (L62) | 140 HP-OPT (L63)

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer -	Type	Dial
	Trip odometer (yes,no)	No
Charge indicator - type & fan indicator		Tell-tale
Temperature indicator - type		
Oil pressure indicator - type & temp indicator		Tell-tale
Fuel indicator - type		Electric gauge
Other		Refer to page 23
Wind-shield wiper	Type - Standard	Electric two-speed
	Type - Optional	None
Wind-shield washer	Type - Standard	Push-button
	Type - Optional	None
Horn	Type	Vibrator
	Number used	One (a) on 10100; two on 10500
	Amp'draw (each)	(Low note) 4.5-6.5 @ 12.5V. (Hi note) 4.2-6.2 @ 12.5V

DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type	3 and 4-speed	3 and 4-speed	
Type pressure plate springs	Chevrolet, single dry disc, semi-centrifugal		
Total spring load (lb.)	1250-1450	1275-1475	
No. of clutch driven discs	One		
Clutch facing	Material	Woven type asbestos	
	Outside & inside dia.	8.0 and 6.0	9.12 and 6.12
	Total eff. area (sq.in.)	44.0	71.8
	Thickness	.125 each	.130 each
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	None	

(a) 10100 Model, (Low note) 4.5-6.5 @ 12.5V.

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MODEL _____

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not available
Automatic (std. or opt.)	Powerglide-optional

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3-SPEED	4-SPEED	
Transmission ratios	In first	3.11:1	3.11:1	
	In second	1.84:1	2.20:1	
	In third	1.00:1	1.47:1	
	In fourth	---	1.00:1	
	In reverse	3.22:1	3.11:1	
Synchronous meshing, specify gears		All forward speeds		
Shift lever location		Floor		
Lubricant	Capacity (pt.)	3.7		
	Type recommended	Meeting Military Specs MIL-L-2105-B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
		Extreme cold	SAE 80	

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)			
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed	NOT		
Gear ratio			
Lubricant	Capacity (pt.) (Overdrive only)	AVAILABLE	
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
Extreme cold			

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MODEL 95 HP-STD | 110 HP-OPT (L62) | 140 HP-OPT (L63)

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide		
Type describe	Torque converter with planetary gears		
Selector location	Lever		
List gear ratios Selector Pattern and indicate which are used in each selector position	L - 1.82 D - 1.82-1.00 N - Neutral R - Reverse		
Max. upshift speed—drive range	50	46	52
Max. kickdown speed—drive range	46	42	47
Torque converter	Number of elements	3	
	Max. ratio at stall	2.40	
	Type of cooling (air; liquid)	None	
	Nominal diameter	10.00	
Lubricant	Capacity—refill (pt.)	4.5	
	Type recommended	A suffix A	
Special transmission features			

DRIVE UNITS—PROPELLER SHAFT

NONE - Transaxle drive

Number used			
Type (straight tube, tube-in-tube, internal-external damper, etc.)			
Outer diam. x length* x wall thickness	Manual 3-speed trans.		
	Manual 4-speed trans.		
	Overdrive transmission		
	Automatic transmission		

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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1969 DATE ISSUED 10/15/68 REVISED (e)

MODEL _____

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not available
Automatic (std. or opt.)	Powerglide-optional

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3-SPEED	4-SPEED	
Transmission ratios	In first	3.11:1	3.11:1	
	In second	1.84:1	2.20:1	
	In third	1.00:1	1.47:1	
	In fourth	---	1.00:1	
	In reverse	3.22:1	3.11:1	
Synchronous meshing, specify gears		All forward speeds		
Shift lever location		Floor		
Lubricant	Capacity (pt.)	3.7		
	Type recommended	Meeting Military Specs MIL-L-2105-B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
		Extreme cold	SAE 80	

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)			
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed		NOT	
Gear ratio		AVAILABLE	
Lubricant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
Extreme cold			

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MODEL 95 HP-STD | 110 HP-OPT (L62) | 140 HP-OPT (L63)

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Powerglide		
Type describe	Torque converter with planetary gears		
Selector location	Lever		
List gear ratios Selector Pattern and indicate which are used in each selector position	L - 1.82 D - 1.82-1.00 N - Neutral R - Reverse		
Max. upshift speed—drive range	50	46	52
Max. kickdown speed—drive range	46	42	47
Torque converter	Number of elements	3	
	Max. ratio at stall	2.40	
	Type of cooling (air, liquid)	None	
	Nominal diameter	10.00	
Lubricant	Capacity—refill (pt.)	4.5	
	Type recommended	A suffix A	
Special transmission features			

DRIVE UNITS – PROPELLER SHAFT

NONE - Transaxle drive

Number used			
Type (straight tube, tube-in-tube, internal-external damper, etc.)			
Outer diam. x length* x wall thickness	Manual 3-speed trans.		
	Manual 4-speed trans.		
	Overdrive transmission		
	Automatic transmission		

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

(Continued)

AMA Specifications—Passenger Car

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MODEL _____

DRIVE UNITS – PROPELLER SHAFT (cont.)

NONE - Transaxle drive

Intermediate bearing	Type (plain, anti-friction)	
	Lubrication (fitting, prepack)	
Slip Yoke	Type	
	Number of teeth	
	Spline O.D.	
Universal joints	Make and Mfg. No.	
	Number used	
	Type (ball and trunnion, cross)	
	Rear attach. (u-bolt, clamp, etc.)	
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		
Drive taken through (torque tube or arms, springs)		
Torque taken through (torque tube or arms, springs)		

DRIVE UNITS – AXLE

Type (front, rear)					Rear	
Description	Component of transaxle system; straddle mounted hypoid gear with differential carrier rigidly mounted to engine					
Limited Slip differential, type	One disc clutch					
Drive Pinion Offset	1.75					
No. of differential pinions	Two					
Pinion adjustment (shim, other)	None					
Pinion bearing adj. (shim, other)	Shim					
Wheel bearing type	Two taper roller, each wheel					
Lubricant	Capacity (pt.)	2.7				
	Type recommended	Meeting Military Spec. MIL-L-2105-B				
	SAE viscosity number	Summer	SAE 80			
		Winter	SAE 80			
Extreme cold		SAE 80				

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.27		3.55
No. of teeth	Pinion	11		9
	Ring gear	36		32
Ring Gear O.D.		6.75		

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MODEL _____

DRIVE UNITS – WHEELS

Type & material		Short spoke disc, steel	
Rim (size & flange type)	Std.	13 x 5.5 J	
	Opt.	None	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.75	
	Number and size	5 hex nuts, 7/16-20 UNF-2B	

MODEL _____

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply		7.00 x 13-2 ply (4 ply rating)	
	Type (bias, radial, etc.)		Bias	
	Full rated Inflation Press.	Front	15	
		Rear	28	
	Rev./Mile at 50 MPH		840	
Optional	Size, ply rating, & ply		NONE	

BRAKES – PARKING

Type of control		Pull handle apply; depress trigger in handle to release	
Location of control		Under instrument panel to 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)	----	

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MODEL _____

BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)			Drum		
Self adjusting (std., opt., N.A.)			Self adjusting		
Special Valving	Type (proportion, delay, metering, other)				
Power brake make & type (remote, int., etc.)	Std.	Opt.	Not available		
Effective area (sq. in.) *			168.9		
Gross lining area (sq. in.) **			168.9		
Swept area (sq. in.) ***			268.8		
Front to Rear Effectiveness Relationship			45.8 front; 54.2 rear		
Drum	Diameter (nominal)	Front	9.5		
		Rear	9.5		
Type and material			Composite: cast iron rims; steel hub		
Rotor	Outer working diameter		Not available		
	Inner working diameter		Not available		
	Working width		Not available		
	Material & type (vented/solid)		Not available		
Wheel cylinder bore	Front		.875		
	Rear		.938		
Master Cylinder	Bore		1.00		
	displacement distribution	Front %	27 cu in @ 1500 PSI		
Rear %		41 cu in @ 1500 PSI			
Pedal arc ratio			6.72		
Line pressure at 100 lb. pedal load			856		
Shoe Clearance	Front		Self adjusting		
	Rear		Self adjusting		
Bonded or riveted			Bonded		
Brake lining	Front Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.0 x .17	
			Second. or in-board	9.75 x 2.0 x .20	
	Segments per shoe		One		
	Rear Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.5 x .17	
Second. or in-board			9.75 x 2.5 x .20		
Segments per shoe		One			

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

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

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MODEL _____

STEERING

Manual (std., opt., NA)		Standard - energy absorbing steering column		
Power (std., opt., NA)		Not available		
Adjustable steering wheel (tilt, swing, other)	Type and description	Telescopic steering shaft - 3.0 in. adjustment controlled by a lever on the steering column		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	16.25		
	Power	Not available		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	39.3	
		Curb to curb (l. & r.)	37.0	
	Inside rear	Wall to wall (l. & r.)	19.2	
		Curb to curb (l. & r.)	20.1	
Manual	Gear	Type	Semi-reversible; recirculating ball nut	
		Make	Saginaw Steering Gear	
	Ratios	Gear	18:1	
		Overall	23.3:1	
	No. wheel turns (stop to stop)		4.5	
Power	Type (coaxial, linkage, etc.)		Not available	
	Make		Not available	
	Gear	Type	Not available	
		Ratios	Gear	Not available
			Overall	Not available
	Pump driven by		Not available	
	No. wheel turns (stop to stop)		Not available	
Linkage	Type		Parallelogram	
	Location (front or rear of wheels, other)		Front of wheels	
	Drag link (trans. or longit.)		None	
	Tie rods (one or two)		Two	
Steering Axis	Inclination at camber (deg.)		6° to 7°	
	Bearings (type)	Upper	Ball stud with non-metallic bearings	
		Lower	Ball stud with non-metallic bearings	
		Thrust	None	
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		P 1-3/4 to P 2-3/4	
	Camber (deg.) (a)		P 1/2 to P 1-1/2	
	Toe-in (outside track inches)		3/16 to 5/16	
Steering spindle & joint type		Steering knuckle with spherical joints		
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, two per spindle	

(a) Rear wheel alignment: camber, P 1/2 to 1-1/2; toe-in, 3/16 to 5/16

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MODEL _____

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Angle of front upper control arm	
Provision for acc. squat control	None	
Special provisions for car jacking	Front Wheels	Place jack under body flange 2" to rear of fwd edge of frt door.
	Rear Wheels	Place jack under body flange 9" ahead of rear wheel opening.
Shock absorber front & rear	Type	Double direct acting
	Make	Delco
	Piston dia.	1.00
Other special features		

SUSPENSION – FRONT

Type and description		Independent - SLA type with coil springs and concentric shock absorber, and spherically-jointed steering knuckle for each wheel.
Spring	Type	Coil, right hand helix
	Material	Steel alloy
	Size (coil design height & I.D. bar length x dia.)	6.42 x 3.45 101.4 x .447
	Spring rate (lb. per in.)	130
	Rate at wheel (lb. per in.)	73
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel .812

SUSPENSION – REAR

Type and description		Fully independent articulating link type
Drive and torque taken through		Control arm
Spring	Type	Coil, RH helix
	Material	Steel alloy
	Size (length x width, coil design height & I.D.; bar length & dia.)	7.78 x 4.20 117.5 x .538
	Spring rate (lb. per in.)	160
	Rate at wheel (lb. per in.)	160
	Mounting insulation type	Rubber insulated at upper mount
If leaf	No. of leaves	----
	Shackle (comp. or tens.)	----
Stabilizer	Type (link, linkless, frameless)	----
	Material	----
Track bar type		----

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MODEL _____

FRAME _____

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

Integral: Step down underbody floor, front and rear side rail type members, and front and rear end sheet metal components welded to body assembly.

BODY - MISCELLANEOUS INFORMATION

Sport Coupe

Convertible

Drs. hinged (front, rr.)	Front doors	Front
	Rear doors	None
Type of finish (lacquer, enamel, other)		Acrylic Lacquer
Hood counterbalanced (yes, no)		Front compartment-yes; rear compartment-no
Hood release control (internal, external)		External
Vehicle Ident. No. location		Top left hand of instrument panel
Engine No. location		Top rear surface, left half of crankcase
Theft protection - type		Shielded ignition lock terminals, key removable in "OFF" position.
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 cotton-jute
	3rd seat	None
Seat back type	Front	Formed wire and cotton-rubber
	Rear	Formed wire and cotton-foam pad
	3rd seat	None
Windshield glass type (i.e., single curved - laminated plate)		Curved-laminated plate
Side glass type (i.e., curved - tempered plate)		Curved-tempered plate
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved-tempered plate Plastic
Windshield glass exposed surface area		1009.1
Side glass exposed surface area	1316.6	1116.9
Backlight glass exposed surface area	1224.7	865.0
Total glass exposed surface area	3550.4	2991.0

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MODEL _____

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Not available	
	Vent windows	Not available	
	Backlight or tailgate	Not available	
Power seats (specify type as well as availability)		Not available	
Reclining front seat back (R-L or both)		Not available	
Front seat head restrainer (R-L or both)		Both Standard	
Radios (specify type as well as availability)		Optional-AM-Push-button, AM-FM Push-button	
Rear seat speaker		Optional	
Power antenna		Not available	
Clock		Optional	
Air conditioner (specify type and availability)		Not available	
Speed warning device		Optional	
Speed control device		Not available	
Ignition lock lamp		Not available	
Dome lamp		Standard	
Glove compartment lamp		Optional 10100	Standard 10500
Luggage compartment lamp		Optional	
Underhood lamp		Optional	
Courtesy lamp		Optional 101-10537	Standard 10567
Map lamp		Not available	
Auto. trans. quad. lamp		Standard	
Cornering light lamp		Not available	
Defroster - Rear window		10137 & 10537	
Folding rear seat		Standard 10537; Optional 10137	
Stereo tape player		Optional	

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	
		Lowest	
	Tail	Highest	
		Lowest	
	Sidemarker	Front	
		Rear	
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside *	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

* If single headlamps are used enter here.

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WEIGHTS

Model	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
	Front	Rear	Total	Pass. In Front		Pass. In Rear		Fuel	Coolant
				Front	Rear	Front	Rear		
500									
2-Door Sport Coupe	920	1665	2585					85.7	---
Monza									
2-Door Sport Coupe	930	1680	2610					85.7	---
Convertible	1030	1805	2835					85.7	---

Accessories & Equipment Differential Weights				Remarks
164 Cu.In. Engine	0	1	+ 1	RPO L62
	- 5	+ 34	+ 29	RPO L63
4-Speed Transmission	0	+ 1	+ 1	
Powerglide Trans.	0	- 18	- 18	
Folding top Powerlift	+ 2	+ 8	+ 10	
Folding Rear Seat	+ 4	+ 17	+ 21	10137 & 10567 Models
	+ 5	+ 21	+ 26	10537 Models
H.D. Battery	- 3	+ 18	+ 15	
Radio, Push Button	+ 7	+ 2	+ 9	

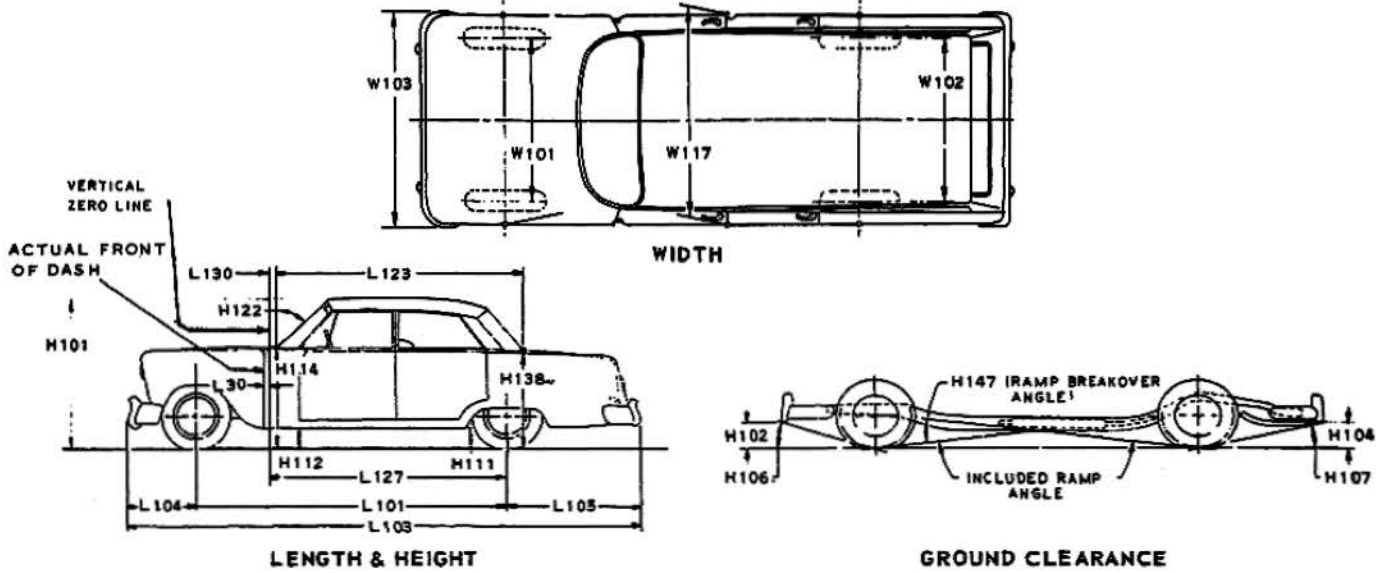
*Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

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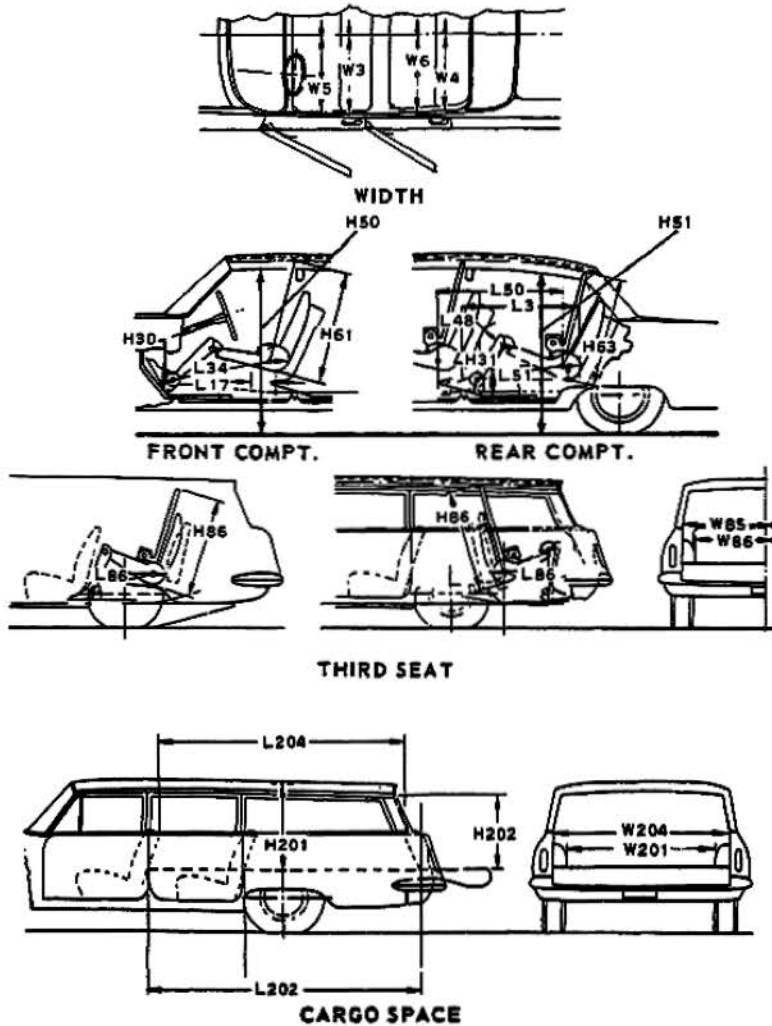
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
 W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
 W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
 W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
 L101 WHEELBASE.
 L103 OVERALL LENGTH. Include bumper guards if standard equipment.
 L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
 L105 OVERHANG - REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
 L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
 L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
 L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
 H114 COWL POINT TO GROUND. Measured at vehicle centerline.
 H138 DECK POINT TO GROUND. Measured at vehicle centerline.
 H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
 H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
 H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
 H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
 H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
 H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
 L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
 H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
 L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
 W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
 H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
 REAR COMPARTMENT DIMENSIONS
 L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
 H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
 L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
 H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
 L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
 L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
 W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
 W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
 H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
 H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
 W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
 L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
 H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
 L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
 W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings at floor level.
 W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
 H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
 H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.
 V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

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