AMA Specifications—Passenger Car

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MANUFACTURER	CAR NAME	
Chevrolet Motor Division Owner Relations Department	CAMARO	
MAILING ADDRESS 1077 Argonaut "A" G.M. Bldg. Detroit, Michigan 48202	MODEL YEAR 1968	ISSUED 10-15-67 REVISED (●)

NOTES

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufactu-
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 .....
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BODY – TYPES AND STYLE NAMES – Body type, number of passenger & style names; use manufacturer's code for series & body style.

	230 Cu. In. L6-140 HP Standard	250 Cu. In. L6-155 HP Opt. (L22)	327 Cu. In. V8-210 HP Standard
2-Door Sport Coupe, 4-Passenger	12337		12437
2-Door Convertible, 4-Passenger	12367		12467

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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 and are shown with vehicle load of two passengers in front and thr in rear, except where otherwise noted.

MODEL		SAE Ref. No.	SPORT COUPE	CONVERTIBLE
WIDTH				
Track – Front		W101	59.6	
Track – Rear		W102	59.5	
Maximum overall car width		W103	72.3	
Body width at No. 2 pillar		W117		
LENGTH				
Body "O" to front of dash		L 30		
Wheelbase		L101	108.0	
Overall car length		L103	184.6	
Overhang – front		L104	36.6	
Overhang – rear		L105	40.0	
Body upper structure length		L123		
Body "O" line to ℄ of rear wheel		L127	90.0	
Body "O" line to w/s cowl point		L130		
HEIGHT				
Overall height		H101	50.9	
Cowl height		H114	35.3	
Deck height		H138		
Rocker panel – front	To ground	H112	7.1	
	From front wheel ℄			
Rocker panel – rear	To ground	H111	8.1	
	From rear wheel ℄			
Windshield slope angle		H122		
GROUND CLEARANCE				
Bumper to ground – front		H102	17.2	
Bumper to ground – rear		H104	17.0	
Angle of approach		H106	22	
Angle of departure		H107	19	
Ramp breakover angle		H147	13	
Min. running clearance (Specify)		H156	5.1 (Frame to ground)	

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	SPORT COUPE	CONVERTIBLE
FRONT COMPARTMENT			
Effective head room	H61	37.0	37.5
Max. eff. leg room – accelerator	L34	42.5	
H Point to Heel point	H30	7.7	
H Point travel	L17	4.0	
Shoulder room	W 3	56.7	
Hip room	W 5	56.3	
Upper body opening to ground	H50	46.6	
REAR COMPARTMENT			
H Point couple distance	L50	27.1	27.4
Effective head room	H63	36.7	36.8
Min. effective leg room	L51	29.2	29.5
H Point to Heel point	H31	9.4	
Min. knee room	L48		
Rear Compartment room	L 3	22.5	
Shoulder room	W 4	53.6	47.3
Hip room	W 6	54.6	47.5
Upper body opening to ground	H51	--	--
LUGGAGE COMPARTMENT			
Usable luggage capacity	V 1	8.3	6.0
Liftover height	H195	30.0	
Position of spare tire storage			
Method of holding lid open			
STATION WAGON – THIRD SEAT			
Shoulder Room	W85		
Hip room	W86	NOT	
Effective leg room	L86		
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 – wheelbase	W201	NOT	
Opening width at belt	W204		
Maximum cargo height	H201	AVAILABLE	
Rear opening height	H202		
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	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	230 Standard	One; 1-bbl downdraft	8.5:1	140 @ 4400	220 @ 1600	3-Speed (2.85:1 low) and 4-Speed* (2.85:1 low)	Base	3.08	2.73	3.55
							A/C	3.08	--	3.55
						Powerglide *	Base	2.73(a)	2.56	3.55
							A/C	3.08	--	3.55
	250 Opt. (L22)	One; 1-bbl downdraft	8.5:1	155 @ 4200	235 @ 1600	3-Speed (2.85:1 low) and 4-Speed * (2.85:1 low)	Base	3.08	2.73	3.55
							A/C	3.08	--	3.55
						Powerglide *	Base	2.73(a)	2.56	3.55
							A/C	3.08	--	3.55
	327 Standard	One; 2-bbl downdraft	8.75:1	210 @ 4600	320 @ 2400	3-Speed (2.54:1 low) and 4-Speed* (2.54:1 low)	Base	3.08	2.73	3.55
							A/C	3.08	--	3.55
						Powerglide *	Base	2.73(a)	2.56	3.55
							A/C	3.08	--	3.55

A-Standard
B-Economy
C-Performance
D-Special
* -Optional
** -Positraction axles available optionally in ratios shown
(a) -3.08:1 when Rally Sport option (RPO Z22) is specified

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MODEL	12300		12400
	230 Cu. In. L-6 (Std.)	250 Cu. In. L-6 (L22)	327 Cu. In. V-8 (Std.)
ENGINE – GENERAL			
Type, no. cyls., valve arr.	In-line 6 OHV		90° OHV V-8
Bore and stroke (nominal)	3.875 x 3.25	3.875 x 3.53	4.001 x 3.25
Piston displacement, cu. in.	230	250	327
Bore spacing (C to C)	4.40		
No. system (front to rear) L. Bank	1-2-3-4-5-6		1-3-5-7
No. system (front to rear) R. Bank	In - line		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		8.75:1
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cyl. Sleeve-Wet,dry,none	None		
Number of mtg. points Front	Two		
Number of mtg. points Rear	One		
Engine installation angle	3° 55'		
Taxable horsepower $\frac{Dia^2 \times No.\ Cyl.}{2.5}$	36.0		51.2
Publishing max. bhp* @ eng. RPM	140 @ 4400	155 @ 4200	210 @ 4600
Publishing max. torque * (lb. ft. @ RPM)	220 @ 1600	235 @ 1600	320 @ 2400
Recommended fuel regular – premium			

ENGINE – PISTONS

Material	Cast aluminum alloy			
Description and finish	Flat, notched head; slipper skirt			
Weight (piston only) oz.	20.32	24.16	21.60	
Clearance (limits) Top land	.0345-.0435		.0365-.0455	
Clearance (limits) Skirt Top	.0005-.0011(a)		.0005-.0011(b)	
Clearance (limits) Skirt Bottom	- - -			
Ring groove depth No. 1 ring	.2153-.2218		.2217-.2283	
Ring groove depth No. 2 ring	.2153-.2218		.2217-.2283	
Ring groove depth No. 3 ring	.2093-.2158		.2038-.2103	
Ring groove depth No. 4 ring	None			

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

(a) Measured 2.44 from top of piston
(b) Measured 2.24 from top of piston

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MODEL	12300		12400
	230 Cu. In. L-6 (Std.)	250 Cu. In. L-6 (L22)	327 Cu. In. V-8 (Std.)

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.	Cast alloy iron; inside bevel tapered face, barrel face with no bevel on upper ring for 250 & 327 Cu. In. Flash chrome plate-upper; Wear resistant coating-lower		
	Width	(a)	(b)	(c)
	Gap	.010 - .020		(d)
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated OD; Expander-stainless steel		
	Width	.1870-.1890 (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	
	Bushing – Material	None	
Clearance	In piston	.00015-.00025	
	In rod	None	
Direction & amount offset in piston		.055-.065	

ENGINE – CONNECTING RODS

Material		Drop forged steel	
Weight (oz.)		12.50	21.60
Length (center to center)		5.695-5.705	
Bearing	Material & Type	Copper lead alloy or sintered copper nickel backed babbitt on steel	Premium Aluminum
	Overall length	.807	.797
	Clearance (limits)	.0007-.0027	.0007-.002
	End play	.009-.013	

(a) Upper .0775-.0780; lower .0770-.0780
(b) Upper .0628-.0633; lower .0623-.0633
(c) Upper .0775-.0780; lower .0770-.0775
(d) Upper .010-.020; lower .013-.025

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MODEL	12300		12400
	230 Cu. In. L-6 (Std.)	250 Cu. In. L-6 (L22)	327 Cu. In. V-8 (Std.)

ENGINE – CRANKSHAFT

Material			Cast nodular iron		
Vibration damper type			Rubber mounted inertia		
End thrust taken by bearing (No.)			7		5
Crankshaft end play			.002-.006		.006-.010
Main bearing	Material & type		Steel with backed insert (selected bearing material-copper lead alloy or premium alum. for intended engine operation & application)		
	Clearance		.0003-.0029		(a)
	Journal dia. and bearing overall length	No. 1	2.3004 x .752		2.4502 x .752
		No. 2	2.3004 x .752		2.4505 x .752
		No. 3	2.3004 x .752		2.4505 x .752
		No. 4	2.3004 x .752		2.4505 x .752
		No. 5	2.3004 x .752		2.4507 x 1.177
		No. 6	2.3004 x .752		None
		No. 7	2.3004 x .760		None
	Dir. & amt. cyl. offset		None		
Crankpin journal diameter			1.999-2.000		2.099-2.100

ENGINE – CAMSHAFT

Location			Above and to right of crankshaft	In block above crk/shft
Material			Cast alloy iron	
Bearings	Material		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	.740
		Pitch	None	.500

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard	
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.75:1	1.50:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	

(Continued)

(a) No. 1, .0008-.0020; No. 2, 3 & 4, .0008-.0024; No. 5, .0015-.0031

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ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°		28°
		Closes (°ABC)	48°		72°
		Duration - deg.	244°		280°
	Exhaust	Opens (°BBC)	46° 30'		78°
		Closes (°ATC)	17° 30'		30°
		Duration - deg.	244°		288°
	Valve opening overlap		33° 30'		58°
Intake	Material		Alloy steel		
	Overall length		4.902-4.922		
	Actual overall head dia.		1.715-1.728		
	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)		.3317	.3880	.3900
	Outer spring press. & length	Valve closed (lb.@in.)	56-64 @ 1.66		76-84 @ 1.70
		Valve open (lb.@in.)	180-192 @ 1.27		194-206 @ 1.25
	Inner spring press. & length	Valve closed (lb.@in.)	None		Spring damper
		Valve open (lb.@in.)	None		Spring damper
Exhaust	Material		High alloy steel - aluminized face on 327 cu. in.		
	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		.0017-10027		
	Lift (@ zero lash)		.3317	.3880	.4100
	Outer spring press. & length	Valve closed (lb.@in.)	56-64 @ 1.66		76-84 @ 1.70
		Valve open (lb.@in.)	180-192 @ 1.27		194-206 @ 1.25
	Inner spring press. & length	Valve closed (lb.@in.)	None		Spring damper
		Valve open (lb.@in.)	None		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	(a)
	Cylinder walls	Splash	Press. jet cross sp

(Continued)

(a) Centrifugally oiled from front camshaft bearing.

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MODEL

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ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. engine rpm)	50-65 PSI @ 2000 RPM (bench test-no flow conditions)
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
Oil grade recommended (SAE viscosity and temperature range)	32° and above-SAE 20W or SAE 10W-30 0° F to 32° F* -SAE 10W or SAE 10W-30 Below 0°F - SAE 5W or SAE 5W-20 *(SAE 5W-30 can be used at temperatures below freezing)
Engine Service Reamt. (MM, MS, etc.)	MS or DG

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Single with crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	None	2.00 x .073-.091(a)
	Main	2.00 x .057-.071	2.00 x .073-.091(a)
Tailpipe dia. (O.D. & wall thickness)		1.875 x .062-.076	2.00 x .062-.076

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system	
	Optional	None	
Control Unit	Make and model	AC Spark Plug; 230 & 250 Cu. In. (6426191); 327 Cu. In. (6424251)	
	Location	Top rear of rocker cover	Left frt. rocker cvr.
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum	
	Control method (variable orifice, fixed orifice, other)	Varible orifice	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold	
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor air cleaner	
	Flame arrestor (screen, check valve, other)	Screen	

(a) Laminated

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MODEL	12300				12400	
	230 Cu. In. L-6 (Std.)		250 Cu. In. L-6 (L22)		327 Cu. In. V-8 (Std.)	
ENGINE – EXHAUST EMISSION CONTROL	Manual	Auto	Manual	Auto	Manual	Auto
Type (Air injection, engine modifications, other)	MANUAL TRANSMISSIONS-Air injection reactor equipment AUTOMATIC TRANSMISSIONS- Controlled combustion system					
Air Injection Pump * — Type	Semi-articulated vane type					
Air Injection Pump * — Displacement	19.3					
Air Injection Pump * — Drive ratio	1.15:1					
Air Injection Pump * — Drive type	Crankshaft pulley					
Air Injection Pump * — Relief valve (type)	Diverter valve separate from pump					
Air Injection Pump * — Filter (describe)	Centrifugal air cleaner					
Air Injection System * — Air distribution (head, manifold, etc.)	Head				Manifold	
Air Injection System * — Point of entry	Exhaust ports					
Air Injection System * — Injection tube I.D.	.2565					
Air Injection System * — Check valve type	Pressure (plate type)					
Air Injection System * — Backfire protection (type)	Diverter valve					
Carburetor — Make	Rochester					
Carburetor — Model	7028017	7028014	7028017	7028014	7028101	7028113
Carburetor — Barrel size	1.69		1.69		1.44	
Carburetor — Idle speed — Drive	--	500	--	500	--	600
Carburetor — Idle speed — Neutral	700	--	700	--	700	--
Carburetor — Idle A/F mixture	Not specified					
Distributor — Aux. Adv. Systems (type)	None					
Distributor — Make	Delco-Remy					
Distributor — Model	1110436	1110433	1110439	1110339	1111440	1111443
Distributor — Cent'fgal adv. in crank degrees @ eng. rpm — Start (rpm)	1000		900		1000	900
Distributor — Cent'fgal adv. in crank degrees @ eng. rpm — Intermed. points deg. @ rpm	21@2100	17@2100	21@1950	17@1950	8@1400	--
Distributor — Cent'fgal adv. in crank degrees @ eng. rpm — Max. deg. @ rpm	36@4600	32@4600	32@4200	28@4200	36@3950	32@3950
Distributor — Vacuum adv. in crank degrees @ eng. rpm — Start (in Hg)	7.00		7.00		6.00	
Distributor — Vacuum adv. in crank degrees @ eng. rpm — Intermed. points deg. @ in. Hg	None					
Distributor — Vacuum adv. in crank degrees @ eng. rpm — Max. deg. @ in.	23 @ 16		23 @ 16		15 @ 12	
Distributor — Vacuum Source	Carburetor					
Timing - Crank degrees @ rpm (a)	TDC	4BTC	TDC	4BTC	2ATC	2BTC
Cooling System (describe changes)	None					
Exhaust System (describe changes)	None					

*-Used with manual transmissions only

(a)-At idle.

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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.)		18 (approximately)	
	Filler location		Center of rear end panel	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Lower right front of engine	
	Pressure range		3.50-4.50 PSI	5.00-6.50 PSI
Vacuum booster (std., optional, none)			None	
Fuel Filter	Type		Fine mesh plastic strainer in gasoline tank	
	Locations		and paper filler in carburetor inlet	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air cleaner type	Standard	Oil-wetted paper	
		Optional	None	
	Idle speed (spec. neutral or drive)	Manual	700 (neutral)	700 (neutral)
		Automatic	500 (drive)	600 (drive)
		Idle A/F mix.	Not specified	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
11300	230	3-Speed & 4-Speed	Rochester	7028017(a)	One; single barrel	1.69
		Powerglide	Rochester	7028014		
	250	3-Speed & 4-Speed	Rochester	7028017(a)		
		Powerglide	Rochester	7028014		
11400	327	3-Speed & 4-Speed	Rochester	7028101(b)	One; two barrel	1.44
		Powerglide	Rochester	7028110(c)		

(a) 7028015 with Air Conditioning
(b) 7028103 with Air Conditioning
(c) 7028112 with Air Conditioning

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	230 Cu. In. L-6 (Std.)	250Cu. In. L-6 (L22)	327 Cu. In. V-8 (S

ENGINE – COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure		
Radiator cap relief valve pressure			15 ± 1 PSI		
Circulation thermostat	Type (choke, bypass)		Choke		
	Starts to open at (°F)		192° - 198°		
Water pump	Type (centrifugal, other)		Centrifugal		
	GPM @ 1000 pump rpm		60 @ 4400		54 @ 4400
	Number of pumps		One		
	Drive (V-belt, other)		V-belt		
	Bearing type		Permanently lubricated double row ball		
By-pass recirculation type (inter., ext.)			Internal		
Radiator core type (cellular, tube and fin, other)			Tube and center		
Cooling system capacity	With heater (qt.)		12		16
	Without heater (qt.)		11		15
	Opt. equipment-specify (qt.)		12		16
Water jackets full length of cyl. (yes, no)			Yes		
Water all around cylinder (yes, no)			Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, molded		
		Inside diameter	1.75		
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	None		
		Inside diameter	None		
Fan	Number of blades & spacing		4-Staggered		
	Diameter		17.62		
	Ratio-fan to crankshaft rev.		.949:1		
	Fan cutout type		None		
	Bearing type		Double row ball		
*Drive belts (indicate belt used by letter)	Fan		A		E
	Generator or alternator		A		E
	Water Pump		A		E
	Power Steering		B		F
	Air Conditioning		C		G
	Air Injection Pump		D		H

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	←			38° - 42°				→			
Nominal length (SAE)	39.00	49.50	54.75	50.00	53.50	35.00	57.50	49.50			
Width	←			.380				→			

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	230 Cu. In. L-6 (Std.)	250 Cu. In. L-6 (L22)	327 Cu. In. V-8 (Std.)

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980032		Delco-Remy 1980030
	Voltage Rtg. & Total Plates		12 Volts 54 plates		12 Volts 66 plates
	SAE Designation & Amp. Hr. Rtg.		45 amp hr @ 20hr rate		61 amp hr @ 20 hr
	Location		Right front engine compartment		
	Terminal grounded		Negative		
Generator or Alternator	Make		Delco-Remy		
	Model		1100693		1100794
	Type and rating		Diode rectified 9-37 amps		
	Output at engine idle (neutral)		13 amps		
	Ratio–Gen. to Cr/s rev.		2.46:1		
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				
	Model		1108365		1108367
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		3-Spd & 4-Spd-Place gear shift lever in neutral & depress clutch AUTOMATIC-Place control lever in N or P position INITIAL START-Press accelerator to floor and release		
Motor Drive	Engagement type		Positive shift solenoid		
	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion	9		
		Flywheel – Manual	153		
		Flywheel – Auto.	153		
	Flywheel tooth face width	Manual	.4010 - .4130		
		Auto.	.4010 - .4130		

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (•)

MODEL			12300				12400	
			230 Cu. In. L-6 (Std.)		250 Cu. In. L-6 (L22)		327 Cu. In. V-8 (S	
ELECTRICAL – IGNITION SYSTEM			Manual	Auto	Manual	Auto	Manual	Auto
Type	Conventional – Std., Opt., N.A.		Standard					
	Transistorized – Std., Opt., N.A.		N. A.					
	Other (specify)		None					
Coil	Make		Delco-Remy					
	Model		1115208				1115213	
	Amps	Engine stopped	4.0					
		Engine idling	1.8					
Distributor	Make		Delco-Remy					
	Model		1110436	1110433	1110439	1110339	1111440	1111443
	Cent'fgal adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm)	1000		900		1000	900
		Intermediate points deg.@rpm	21@2100	12@2100	21@1950	17@1950	8@1400	--
		Max. deg.@rpm	36@4600	32@4600	32@4200	28@4200	36@3950	32@3950
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)	7.00		7.00		6.00	
		Intermediate points, deg.@in. Hg.	None					
		Max. deg. in. Hg.	23 @ 16		23 @ 16		15 @ 12	
	Breaker gap (in.)		.019					
	Cam angle (deg.)		31-34				28-32	
	Breaker arm tension (oz.)		19-23					
Timing	Crankshaft deg.@rpm (a)		TDC	4BTC	TDC	4BTC	2ATC	2BTC
	Mark location		Torsional damper					
Spark Plug	Make		AC Spark Plug					
	Model		AC 46 N (long reach)				AC 44	
	Thread (mm)		14					
	Tightening torque (lb. ft.)		25					
	Gap		.033-.038					
Cable	Conductor type		Linen core impregnated with electrical conducting materia					
	Insulation type		Rubber with neoprene jacket					
	Spark plug protector		Neoprene					

ELECTRICAL – SUPPRESSION

Locations & type	Non-metallic high ignition cables

(a) - At idle.

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MODEL	12300		12400
	230 Cu. In. L-6 (Std.)	250 Cu. In. L-6 (L22)	327 Cu. In. V-8 (Std.)

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Dual
	Trip odometer (yes,no)	No
Charge indicator – type		Tell-tale
Temperature indicator – type		Tell-tale
Oil pressure indicator – type		Tell-tale
Fuel indicator – type		Electric gauge
Other		Refer to page 23
Windshield wiper	Type – Standard	Electric Two-Speed
	Type – Optional	None
Windshield washer	Type – Standard	Push-button
	Type – Optional	None
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	(Low note) 4.5-6.5 @ 12.5V (Hi note) 4.2-6.2 @ 12.5V.

DRIVE UNITS – CLUTCH (Manual Transmission)

		3-Speed & 4-Speed	
Make & type		Chevrolet-single dry disc	Single-dry disc-centrifugal
Type pressure plate springs		Diaphragm	Diaphragm-bent finger design
Total spring load (lb.)		1650-1850	2100-2300
No. of clutch driven discs		One	
Clutch facing	Material	Woven asbestos	Premium grade-wov. asbestos
	Outside & inside dia.	9.12 & 6.12	10.34 & 6.5
	Total eff. area (sq.in.)	71.82	101.5
	Thickness	.135 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	Coil springs	

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MODEL	12300	12400
	230 Cu. In. L-6 (Std.)	327 Cu. In. V-8 (Std.)
	250 Cu. In. L-6 (L22)	

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.

			3-SPEED	4-SPEED	3-SPEED	4-SPEED
Number of forward speeds			3	4	3	4
Transmission ratios	In first		2.85:1	2.85:1	2.54:1	2.54:1
	In second		1.68:1	2.02:1	1.50:1	1.80:1
	In third		1.00:1	1.35:1	1.00:1	1.44:1
	In fourth		--	1.00:1	--	1.00:1
	In reverse		2.95:1	2.85:1	2.63:1	2.54:1
Synchronous meshing, specify gears			All forward gears			
Shift lever location			Steering column 3-speed Floor mounted 4-speed			
Lubricant	Capacity (pt.)		3			
	Type recommended		Meeting Military Specs. MIL-L-2105B			
	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)			NOT
Downshift accelerator control (yes, no)			
Minimum cut-in speed			AVAILABLE
Gear ratio			
Lubricant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

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MODEL	12300		12400
	230 Cu.In. L-6 (Std)	250 Cu.In. L-6 (L22)	327 Cu.In. V-8 (Std)

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		Powerglide		
Type describe		Torque converter with planetary gears		
Selector location		Steering column, floor mounted with console available optionally		
List gear ratios Selector Pattern and indicate which are used in each selector position		P - Park R - Reverse N - Neutral D - 1.82-1.00 L - 1.82		P - Park R - Reverse N - Neutral D - 1.76-1.00 L - 1.76
Max. upshift speed–drive range		63	62	71
Max. kickdown speed–drive range		58	58	67
Torque convertor	Number of elements	3		
	Max. ratio at stall	2.10:1		
	Type of cooling (air, liquid)	Water		
	Nominal diameter	11.00		11.75
Lubricant	Capacity–refill (pt.)	6		
	Type recommended	A suffix A		
Special transmission features				

DRIVE UNITS – PROPELLER SHAFT

Number used		One
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube
Outer diam. x length* x wall thickness	Manual 3-speed trans.	2.75 x 49.96 x .065
	Manual 4-speed trans.	Same as 3-speed
	Overdrive transmission	Not available
	Automatic transmission	Same as 3-speed

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

(Continued)

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MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (•)

MODEL 12300 & 12400

DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		--
Slip Yoke	Type		Yoke
	Number of teeth		27
	Spline O.D.		1.502–1.503
Universal joints	Make and Mfg. No.		Chevrolet 3841935
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach. (u-bolt, clamp, etc.)		U-bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube or arms, springs)			Leaf spring
Torque taken through (torque tube or arms, springs)			Leaf spring

DRIVE UNITS – AXLE

Type (front, rear)			Rear
Description			Semi-floating, overhung pinion gear
Limited Slip differential, type			Dual disc clutches
Drive Pinion Offset			1.50
No. of differential pinions			Two
Pinion adjustment (shim, other)			None
Pinion bearing adj. (shim, other)			Shim
Wheel bearing type			Single row cylindrical roller
Lubricant	Capacity (pt.)		3.5
	Type recommended		Meeting Military Specs. MIL - 2105B
	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		2.56	2.73	3.08	3.55
No. of teeth	Pinion	16	15	12	11
	Ring gear	41	41	37	39
Ring Gear O.D.		8.125			

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MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (*)

MODEL 12300 & 12400

DRIVE UNITS – WHEELS

Type & material			Short spoke disc, steel
Rim (size & flange type)		Std.	14 x 6
		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		7.35 x 14-2 ply (4 ply rating)
	Type (bias, radial, etc.)		Bias
	Full rated Inflation Press.	Front	24
		Rear	28
	Rev./Mile at 50 MPH		791
(onal	Size, ply rating, & ply		7.35 x 14-2 ply (4 ply rating) D70 x 14 - 2 ply (4 ply rating)

BRAKES – PARKING

Type of control		Foot pedal apply; 'T' handle release
Location of control		Left of steering column under instrument panel
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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MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (a)

MODEL 12300; 12400

BRAKES – SERVICE			STANDARD	FRONT DISC (Opt)
Type (drum or disc)			Drum	Disc
Self adjusting (std., opt., N.A.)			Standard	
Power brake make & type (remote, int., etc.)	Std.		--	
	Opt.		Bendix; Delco-Moraine vacuum power unit; integral	
Effective area (sq. in.)*			168.9	114.0
Gross lining area (sq. in.)**			168.9	118.1
Swept area (sq. in.)***			268.6	332.4
Percent brake effectiveness – front			62.3	58.9
Drum or Disc	Diameter (nominal)	Front	9.5	11.0
		Rear	9.5	
	Type and material		Composite; Cast iron, steel web	Cast iron
	Disc (vented or solid)		--	Vented
	No. pistons per caliper		--	4
Wheel cylinder bore	Front		1.125	2.0625
	Rear		.875	.875
Master Cylinder	Bore		1.00	1.00
	displacement distribution	Front %	.47 Cu. In. @ 0 PSI	.65 Cu. In. @ 0 PSI
		Rear %	.33 Cu. In. @ 0 PSI	.29 Cu. In. @ 0 PSI
Disc Brk. Valve	Type (proportion, delay, metering, other)		Check valve	
Pedal arc ratio				
[illegible] pressure at 100 lb. pedal load			790	790
Shoe clearance adjustment			Self adjusting	
Brake lining	Drum or Disc		Drum	Disc
	Bonded or riveted		Bonded	Riveted
	Front Wheel	Material	Molded asbestos	Molded asbestos
		Size (length x width x thickness) Prim. or outboard	9.01 x 2.50 x .17	5.96 x 2.21 x .41
		Second. or inboard	9.75 x 2.50 x .20	5.96 x 2.21 x .41
		Segments per shoe	One	One
	Rear Wheel	Material	Molded asbestos	Molded asbestos
		Size (length x width x thickness) Prim. or outboard	9.01 x 2.00 x .17	9.01 x 2.00 x .17
		Second. or inboard	9.75 x 2.00 x .20	9.75 x 2.00 x .20
		Segments per shoe	One	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 12300 & 12400

STEERING

Manual (std., opt., NA)					Standard-energy absorbing steering column
Power (std., opt., NA)					Optional
Adjustable steering wheel (tilt, swing, other)		Type and description			TILT: Tilt acheived with universally-jointing steering shaft at base of steering wheel.
		(std., opt., NA)			Optional
Wheel diameter		Manual			16.25
		Power			16.25
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			
	Inside rear	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			
Outside whl. angle with inside whl. at 20°					
Manual	Gear	Type			Semi-reversible recirculating ball nut
		Make			Saginaw
		Ratios	Gear		24:1
			Overall		28.2:1
	No. wheel turns				4.8
Power	Type (coaxial, linkage, etc.)				Coaxial
	Make				Saginaw
	Gear	Type			Same as manual
		Ratios	Gear		17.5:1
			Overall		20.6:1
	Pump driven by				Crankshaft pulley
	Number wheel turns				2.8
Linkage	Type				Parallelogram
	Location (front or rear of wheels, other)				Rear
	Drag link (trans. or longit.)				None
	Tie rods (one or two)				Two
Steering Axis	Inclination at camber (deg.)				8-1/4 to 9-1/4
	Bearings (type)	Upper			Ball stud with non-metallic bearings
		Lower			Ball stud with non-metallic and sintered iron bearings
		Thrust			None
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)				O to P1
	Camber (deg.)				N-1/4 to P-3/4
	Toe-in (outside track inches)				1/8 to 1/4
Steering spindle & joint type					Steering knuckle with spherical joints
Wheel Spindle	Diameter	Inner bearing			1.2493-1.2498
		Outer bearing			.7491-.7497
	Thread size				3/4-20 NEF-3 (modified)
	Bearing type				Taper roller

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MODEL	12300	12400

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		Front suspension geometry
Provision for acc. squat control		Rear suspension geometry
Special provisions for car jacking		Front: 3-3/4 in. inboard of bumper bolt Rear: 2-1/2 in. inboard of bumper bolt
Shock absorber front & rear	Type	Direct, double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		

SUSPENSION – FRONT

Type and description		Independent: SLA type with coil spring and concentric absorber and spherically-jointed steering knuckle for wheel	
Spring	Type	Coil, right hand helix	
	Material	Steel alloy	
	Size (coil design height & I.D. bar length x dia.)	11.09 x 3.63 121.5 x .571	11.09 x 3.63 121.0 x .615
	Spring rate (lb. per in.)	245	320
	Rate at wheel (lb. per in.)		
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	4R steel .6875	

SUSPENSION – REAR

Type and description			Salisbury rear axle with two single leaf springs	
Drive and torque taken through			Rear springs	
Spring	Type		Single leaf	
	Material		Chrome carbon steel	
	Size (length x width, coil design height & I.D.; bar length & dia.)		5.60 x 2.25	
	Spring rate (lb. per in.)		100	115
	Rate at wheel (lb. per in.)			
	Mounting insulation type		Rubber bushed at shackle and hangers	
	If leaf	No. of leaves	One	
		Shackle (comp. or tens.)	Compression	
Stabilizer	Type (link, linkless, frameless)		None	
	Material		---	
Track bar type			None	

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MODEL 12300 & 12400

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Combination body-frame integral with separate forward portion ladder frame

BODY – MISCELLANEOUS INFORMATION

		2-Dr. Spt. Cpe.	Convertible
Drs. hinged (front, rr.)	Front doors	Front	
	Rear doors	None	
Type of finish (lacquer, enamel, other)		Acrylic Lacquer	
Hood counterbalanced (yes, no)		Yes	
Hood release control (internal, external)		External	
Vehicle Indent. No. location		Left front body hinge pillar	
Engine No. location		6-cyl-on crankcase R.H. side of engine, rear of distributor. 8-cyl-on top front of R.H. bank of cylinder and case.	
Theft protection - type		Shielded ignition lock terminals key removable in "OFF" position.	
Vent window control method (crank, friction pivot)	Front	None	
	Rear	None	
Seat cushion type	Front	Formed wire and foam pad	
	Rear	Formed wire and cotton	
	3rd seat	None	
Seat back type	Front	Formed wire and foam pad	
	Rear	Formed wire and cotton	
	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		1032.6	990.5
Side glass exposed surface area		1128.6	1199.0
Backlight glass exposed surface area		819.2	834.0
Total glass exposed surface area		2980.4	3023.5

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MODEL	12337-12437	12367-12467

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Optional	
	Vent windows	N. A.	
	Backlight or tailgate	N. A.	
Power seats (specify type as well as availability)		N. A.	
Reclining front seat back (R-L or both)		N. A.	
Front seat head restrainer (R-L or both)		Optional - both R & L	
Radios (specify type as well as availability)		Optional-AM Push-button, AM-FM Push-button	
Rear seat speaker		Optional	
Power antenna		N. A.	
Clock		Optional	
Air conditioner (specify type and availability)		Optional - Four-Season; GM Chevrolet	
Speed warning device		Optional	
Speed control device		Optional	
Ignition lock lamp		N. A.	
Dome lamp		Standard 123-12437	N. A.
Glove compartment lamp		Optional	
Luggage compartment lamp		Optional	
Underhood lamp		Optional	
Courtesy lamp		Optional 123-12437	Standard 123-12467
Map lamp		N. A.	
Auto. trans. quad. lamp		Standard	
Cornering light lamp		N. A.	

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

	CURB WEIGHT – POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
				Pass. In Front		Pass. In Rear		
6 Cyl. ENGINE (230)	Front	Rear	Total	Front	Rear	Front	Rear	
Model								
2-Door Spt. Cpe.(12337)	1640	1310	2950					2810
Convertible (12367)	1745	1505	3250					3110
V8 ENGINE (327)								
2-Door Spt. Cpe.(12437)	1760	1345	3105					2955
Convertible	1860	1530	3390					3245

Accessories & Equipment Differential Weights				Remarks
Power Windows			+ 18	
Folding Rear Seat			+ 34	
Folding Top Electric			+ 7	
Air Conditioning			+ 97	
Front Compt. Flr. Console			+ 13	
Power Brakes			+ 11	
Front Disc Brakes			+ 40	
250 Cu. In. 6 Cyl.			+ 17	
Power Trans.			- 3	6 cylinder
			+ 5	V-8
Power Steering			+ 30	
H. D. Battery			+ 15	6 cylinder
			+ 5	V-8
Radio AM			+ 9	
AM/FM			+ 10	
Stereo Equip.			+ 12	
Rally Sport Package			+ 19	

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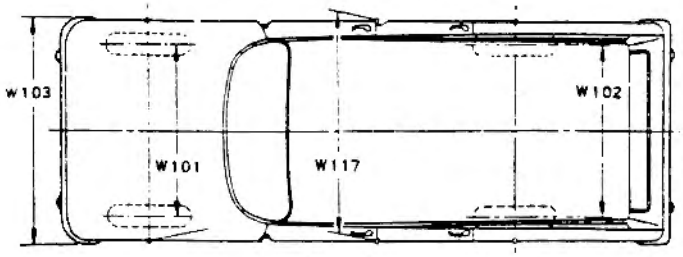
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



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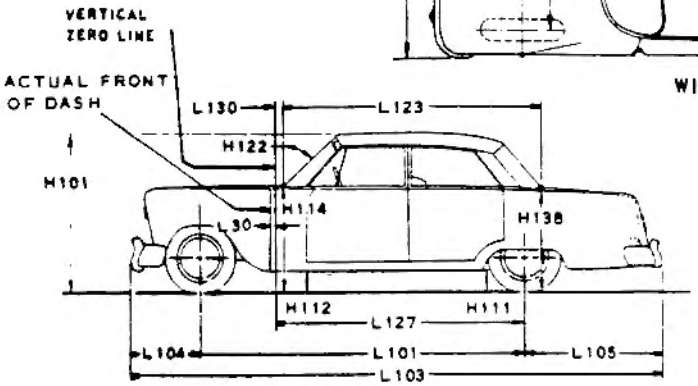

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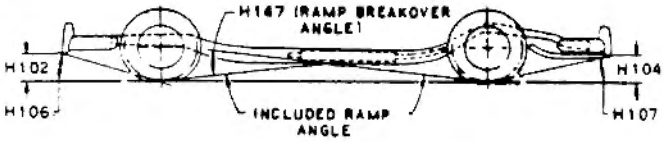
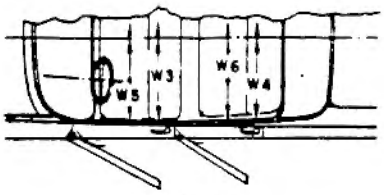


GROUND CLEARANCE

INTERIOR CAR AND BODY DIMENSIONS



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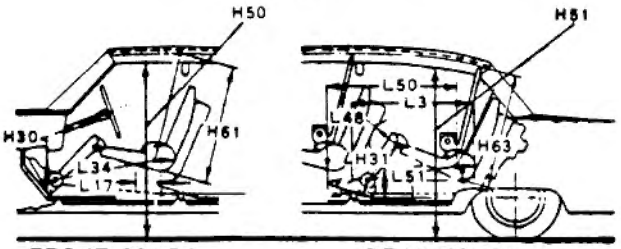
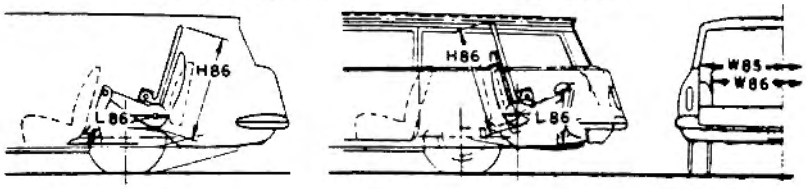
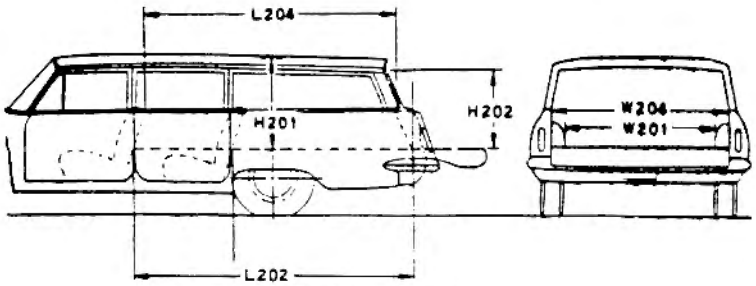


FRONT COMPT. REAR COMPT.



THIRD SEAT



CARGO SPACE

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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. This dimension may be determined by calculation (see Design Standard DD 0.00 – 108) or graphically for reporting purposes.

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, determined in accordance with the Passenger Car Luggage Space Standard, DD 0.00 – 105.

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

STATION WAGON – THIRD SEAT DIMENSIONS

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

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

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

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

STATION WAGON – CARGO SPACE DIMENSIONS

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

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

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

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

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

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

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

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

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