AMA Specifications – Passenger Car

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MANUFACTURER	CAR NAME	
Chevrolet Motor Division General Motors Corporation	Corvette	
MAILING ADDRESS	MODEL YEAR	ISSUED: 10-1-62
Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Mich.	1963	REVISED (a)

NOTES:

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

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BODY—TYPES AND STYLE NAMES—

Body type, number of passenger & style names; use manufacturer's code for series & body style.

Model 0867 2-door convertible, 2-passenger
Model 0837 2-door sport coupe, 2-passenger

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Corvette	Additional Information Page No.	0867	0837
Wheelbase (L101)		23	98.0	
Tread	Front (W101)	22	56.3	
	Rear (W102)	22	57.0	
Maximum Overall Dimensions	Length (L103)	23	175.3	
	Width (W103)	22	69.6	
	Height (H101)	24	Soft Top 49.8 Hard Top 49.3	49.8
Transmission—(Specify trade name - opt., not available)	Manual	15	3-speed std. with all engines; 4-speed opt. with all engine	
	Overdrive	16	Not available	
	Automatic	16	Powerglide opt. with 250 and 300 HP engines	
Std. conventional Axle ratio	Manual 3-speed	17	3.36:1	
	Overdrive	17	Not available	
	Automatic	17	3.36:1	
Tire size		18	6.70 x 15	
Standard Engine	Type, no. cyl., valve arr.	2	90° V-8, Valve-In-Head	
	Fuel system (Carb., other)	8	carburetor	
	Bore and stroke	2	4.00, 3.25	
	Piston displ., cu.in.	2	327	
	Std. compression ratio	2	10.5:1	
	Max. hp at engine rpm (gross)	2	250 @ 4400	
	Max. torque at rpm (gross, lb-ft)	2	350 @ 2800	

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MODEL Corvette

ENGINE—GENERAL

		250 HP	300 HP	340 HP	360 HP
Type, no. cyls., valve arr.		90° V-8 Valve-In-Head			
Bore and stroke (nominal)		4.00, 3.25			
Piston displacement, cu. in.		327			
Bore spacing (C/L to C/L)		4.40			
No. system (front to rear)	L. Bank	1-3-5-7			
	R. Bank	2-4-6-8			
Firing order		1-8-4-3-6-5-7-2			
Compres. ratio (nominal)		10.5:1		11.25:1	
Cylinder Head Material		cast iron alloy			
Cylinder Block Material		cast iron alloy			
Cylinder Sleeve-Wet, dry, none		None			
Number of mounting points	Front	2			
	Rear	1 (on transmission extension)			
Engine installation angle		+3°			
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		51.2			
Published max. bhp* @ eng. RPM (gross)		250 @ 4400	300 @ 5000	340 @ 6000	360 @ 6000
Published max. torque* (lb. ft. @ RPM) (gross)		350 @ 2800	360 @ 3200	344 @ 4000	352 @ 4000
Recommended fuel regular - premium		premium			
Idle speed (spec. neutral or drive)	Manual	500 RPM (neutral)		700 RPM (neutral)	
	Automatic	475 RPM (drive)		---	

ENGINE—PISTONS

Material		aluminum alloy		
Description and finish		flat head slipper skirt with machined relief for valve clearance		impact extruded, domed
Weight (piston only) oz.		21.34		19.82
Clearance (Hmin)	Top land	.0365-.0455 (Diametral)		
	Skirt Top	.0005-.0011		.0024-.0030
	Skirt Bottom			
Ring groove depth	No. 1 ring	.2218-.2283		
	No. 2 ring	.2218-.2283		
	No. 3 ring	.2038-.2103		
	No. 4 ring	None		

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

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POWER TEAMS
(Indicate whether standard or optional)

MODEL AVAILABILITY Corvette Engines	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) Axle	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Conventional	Positraction optional
250 HP Standard	327	4-bbl.	10.5:1	250 @ 4400	350 @ 2800	3-speed	3.36:1 (a)	3.36:1
						4-speed opt.		3.08:1 3.36:1
						Powerglide opt.		3.36:1
300 HP Optional		Large 4-bbl. (AFB)		300 @ 5000	360 @ 3200	3-speed		3.36:1
						4-speed opt.		3.08:1 3.36:1
						Powerglide opt.		3.36:1
340 HP Optional			11.25:1	340 @ 6000	344 @ 4000	3-speed	3.36:1	3.36:1
						4-speed opt.	3.70:1	3.08:1 3.36:1 3.55:1 3.70:1 4.11:1 4.56:1
360 HP Optional		Fuel Injection		360 @ 6000	352 @ 4000	3-speed	3.36:1	3.36:1
						4-speed opt.	3.70:1	3.08:1 3.36:1 3.55:1 3.70:1 4.11:1 4.56:1

(a) 3.08:1 opt. with 4-speed

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MODEL Corvette

All engines except as noted (a)

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	compression
	No. 2, oil or comp.	compression
	No. 3, oil or comp.	oil
	No. 4, oil or comp.	none
Compression	Description - material, type, coating, etc.	inside bevel cast iron alloy chrome plated OD
	Width	upper .0775-.0780; lower .0770-.0775
	Gap	upper .0013-.0023; lower .0013-.0025
Oil	Description - material, type, coating, etc.	Multi-piece (2 rails and spacer expander) rails - spring steel, chrome plated OD Spacer-expander - steel alloy (high chrome)
	Width	.184-.189
	Gap	.015-.055
Expanders		in oil ring assembly

ENGINE—PISTON PINS

Material			Steel Alloy (high chrome)
Length			2.990-3.010
Diameter			.9270-.9273
Type	Locked in rod, in piston, floating, etc.		Locked in rod
	Bushing	~~In rod or piston~~	None
		~~Material~~	
Clearance	In piston		.00015-.00025
	In rod		None
Direction & amount offset in piston			major thrust side, .055-.065 (a)

ENGINE—CONNECTING RODS

Material		drop forged steel
Weight (oz.)		20.32
Length (center to center)		5.699-5.701
Bearing	Material & Type	premium aluminum, removable
	Overall length	.807 (effective length)
	Clearance (limits)	.0007-.0028
	End play	.009-.013

(a) Pin on center in 340 and 360 HP engines.

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MODEL Corvette

All engines except as noted (a)(b)

ENGINE–CRANKSHAFT

Material			forged steel
Vibration damper type			inertia, rubber mounted
End thrust taken by bearing (No.)			5
Crankshaft end play			.002-.006
Main bearing	Material & type		All except upper rear, premium aluminum, removable; upper rear, steel backed babbit, removable
	Clearance		No. s 1 thru 4, .0008-.0034; No. 5, .0010-.0036
	Journal dia. and bearing overall length	No. 1	2.3009 (theoretical), 0.752 (effective length)
		No. 2	
		No. 3	
		No. 4	
		No. 5	2.3006 (theoretical), 1.1824 (effective length)
		No. 6	None
		No. 7	
	Dir. & amt. cyl. offset		
Crankpin journal diameter			1.999-2.000

ENGINE–CAMSHAFT

Location			In block above crankshaft
Material			cast iron alloy
Bearings	Material		extra-life steel-backed babbit
	Number		5
Type of Drive	Gear or chain		chain
	Crankshaft gear or sprocket material		Steel sprocket
	Camshaft gear or sprocket material		cast iron alloy
	Timing chain	No. of links	—
		Width	.875
		Pitch	.500

ENGINE–VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Hydraulic std. for 250 and 300 HP engines (a)
Valve rotator, type (intake, exhaust)		none
Rocker ratio		1.5:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero for 250 and 300 HP engines (b)
	Exhaust	Zero for 250 and 300 HP engines (b)
Timing marks on flywheel, damper, other		damper

(a) Mechanical std. for 340 and 360 HP engines. (Continued)

(b) For 340 and 360 HP engines, .008 intake (hot), .018 exhaust (hot).

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MODEL Corvette

ENGINE—VALVE SYSTEM (cont.)

			250 HP	300 HP	340 HP	360 HP
Timing (a) (b)	Intake	Opens (°BTC)	32° 30'		35°	
		Closes (°ABC)	87° 30'		72°	
		Duration - deg.	300°		287°	
	Exhaust	Opens (°BBC)	74° 30'		76°	
		Closes (°ATC)	45° 30'		31°	
		Duration - deg.	300°		287°	
	Valve opening overlap		78°		66°	
Intake	Material		carbon steel	steel alloy		
	Overall length		4.902-4.922	4.870-4.889		
	Actual overall head dia.			1.935-1.945		
	Angle of seat & face		46°, 45°			
	Seat insert material		none			
	Stem diameter		.3410-.3417			
	Stem to guide clearance		.001-.0027			
	Lift (@ zero lash)		.3987		.39375	
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.66			
		Valve open (lb. @ in.)	170-180 @ 1.26			
	Inner spring press. and length	Valve closed (lb. @ in.)	valve spring damper 5-10 lb.			
		Valve open (lb. @ in.)				
Exhaust	Material		valve steel (aluminized faces)			
	Overall length		4.913-4.933		4.891-4.910	
	Actual overall head dia.					
	Angle of seat & face		46°, 45°			
	Seat insert material		None			
	Stem diameter		.3410-.3417			
	Stem to guide clearance		.001-.0027			
	Lift (@ zero lash)		.3987		.39975	
	Outer spring press. and length	Valve closed (lb. @ in.)	see intake			
		Valve open (lb. @ in.)	see intake			
	Inner spring press. and length	Valve closed (lb. @ in.)	see intake			
		Valve open (lb. @ in.)				

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 spray
	Cylinder walls	pressure, jet cross spray

(a) Including cam ramps.

(b) With .008 intake lash (hot) and .018 exhaust (hot) lash for 340 and 360 HP engines.

(Continued)

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MODEL

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	gear
Normal oil pressure (lb. @ engine rpm)	50 @ 2000
Oil pressure sending unit (elect. or mech.)	direct pressure to bourdon tube
Type oil intake (floating, stationary)	stationary
Oil filter system (full flow, partial, other)	full flow
Filter replacement (element, complete)	element
Capacity of crankcase, less filter-refill (qt.)	4 for 250 and 300 HP engines (a)
Oil grade recommended (SAE viscosity and temperature range)	32°F and warmer - SAE 20W, 20, 10W-30 0°F and warmer - SAE 10W, 10W-30 colder than 0°F - SAE 5W, 5W-20 sustained high speed warmer than 90°F - SAE 30
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		two, reverse flow no resonators
Exhaust pipe dia. (O.D. & wall thickness)	Branch	250 HP engine, and 300 HP engine with Powerglide
	Main	
Tail pipe diameter (O.D. & wall thickness)		2.00, .023

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., Induction system, other)		Standard	positive - closed
		Optional	(air cleaner to crankcase, crankcase to induction system)
Control unit	Make and model		AC
	Location		carburetor base
	Energy source (manifold vacuum, carburetor air stream, other)		manifold vacuum
	Control method (variable orifice, fixed orifice, other)		variable orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other		carburetor base (intake manifold)
	Air inlet (breather cap, carburetor air cleaner, other)		filtered side of carburetor air cleaner
	Flame arrestor (screen, check valve, other)		Check Valve

(a) 5 qts. for 340 and 360 HP engines.

(b) 2.50, .07 for 300, 340 and 360 HP engines with 3 and 4-speed.

(c) See Supplementary Information to page 8 on fuel injection for fuel injection ventilatio system.

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MODEL Corvette | All engines, except fuel injection

ENGINE—FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.			carburetor, downdraft
Fuel Tank (a)	Capacity (gals.)		20
	Filler location		center of rear deck
Fuel Pump	Type (elec. or mech.)		mechanical
	Location		lower right front of engine
	Pressure range		5.25-6.50 psi
Vacuum booster (std., optional, none)			none
Fuel Filter (b)	Type		sintered bronze for 250 HP engine (c)
	Location		carburetor inlet for 250 HP engine (c)
Carburetor	Choke type		automatic
	Intake manifold heat control (exhaust or water)		exhaust
	Air clnr. type	Standard	oil wetted, polyurethane
		Optional	none

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Throttle Bore
			Make	Model		
Standard 250 HP	327	3-speed 4-speed Powerglide	3826003	Carter	1 4-bbl.	1.4375 (p) 1.4375 (s
Optional 300 HP		3-speed 4-speed Powerglide	3826004 3826004 3826006	Carter	1 Large 4-bbl. (AFB)	1.5625 (p 1.6875 (s
Optional 340 HP		3-speed 4-speed	3826004	Carter	1 Large 4-bbl. (AFB)	1.5625 (p 1.6875 (s

(a) See Page 19A for special performance equipment.

(b) Additional plastic mesh filter in fuel tank.

(c) In line with paper element, between fuel pump and carburetor for 300 and 340 HP eng

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MODEL Corvette

All engines except as noted (a)(b)(c)

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			pressure with surge tank
Radiator cap relief valve pressure			13 psi ± 1 psi
Circulation thermostat	Type (choke, bypass)		choke
	Starts to open at (°F)		167 - 172
Water pump	Type (centrifugal, other)		centrifugal
	GPM @ 1000 pump rpm		
	Number of pumps		1
	Drive (V-belt, other)		V-belt
	Bearing type		Permanently lubricated, single row ball
By-pass recirculation type (internal, external)			Internal for 250 and ~~300 HP engines~~
Radiator core type (cellular, tube and fin, other)			aluminum, cross-flow
Cooling system capacity	With heater (qt.)		16.5
	Without heater (qt.)		15.5
	Opt. equipment–specify (qt.)		none
Water jackets full length of cylinder (yes, no)			yes
Water all around cylinder (yes, no)			yes
Radiator hose	Lower	Number and type (molded, straight)	one, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	one, molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	none
		Inside diameter	
Fan	Number of blades & Spacing		5; from vertical, 22-1/2°, 115°, 180°, 245°, 337-1/2°
	Diameter		17.12
	Ratio–fan to crankshaft rev.		.95
	Fan cutout type		thermo-modulated fluid coupling
	Bearing type		see Water Pump
*Drive belts (indicate belt used by letter)	Fan		AB CD
	Generator		A C
	Water Pump		AB CD
	Power Steering		B
	Air Conditioning		
	Idler		D

* Drive Belt Dimensions	A (a)	B (a)	C (b)	D (b)	
Angle of V	40°	40°	40°	40°	
Nominal length (SAE)	55.0	35.0	55.5	38.5	
Width @ PL	3/8	3/8	3/8	3/8	

(a) A and B for 250 and 300 HP engines.
(b) C and D for 340 and 360 HP engines.
(c) External for 340 and 360 HP engines.

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MODEL Corvette

All engines except as noted (a) (b)

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco, 1980558
	Voltage Rtg. & Total Plates		12V, 66
	SAE Designation & Amp Hr. Rtg		2.SND, 61@20 HR
	Location		Engine compartment, in cavity to rear of right front wheel house
	Terminal grounded		Negative
Generator	Make		Delco-Remy
	Model		1100628
	Type		Diode rectified
	Ratio—Gen. to Cr/s rev.		2.30:1 for 250 and 300 HP engines (a)
	Gen. cut-in (hot)—engine rpm		391 for 250 and 300 HP engines (b)
Regulator	Make		Delco-Remy
	Model		1119512
	Type		Vibrator
	Cutout relay	Closing voltage @ generator rpm	None
		Reverse current to open	
	Regulated	Voltage	13.8-14.8@85°F
		Current	33-37
	Voltage test conditions	Temperature	Operating
		Load	3-8 amp
		Other	None

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco-Remy
	Model		1107242
	Rotation (drive end view)		Clockwise
	Engine cranking speed		
	Test conditions		Engine at operating temperature
	Lock test	Amps	435
		Volts	5.8
		Torque (lb. ft.)	10.5 lb-ft min
	No load test	Amps	65-100
		Volts	10.6
		RPM (min.)	3600
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		3 and 4-speed - Place gearshift in neutral and depress clutch to floor Powerglide - Place control lever in N or P To Start - Depress accelerator pedal to floor once and release. Turn ignition switch to start; release when engine starts.

(Continued)

(a) 2.0:1 for 340 and 360 HP engines.

(b) 450 for 340 and 360 HP engines.

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MODEL Corvette — All engines except as noted (a) (b)

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid
	Pinion meshes (front, rear)		Rear
	Number of teeth	Pinion	9
		Flywheel	153
	Flywheel tooth face width		.4375

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco-Remy
	Model		1115091
	Amps	Engine stopped	4.0
		Engine idling	1.8
Distributor	Make		Delco-Remy
	Model		111124 for 250, 300 and 340 HP engines (a)
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	700
		Intermediate points deg. @ rpm	11° @ 1600 rpm
		Max deg. @ rpm	24° @ 2400 rpm
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	8
		Intermediate points, deg @ in Hg	
		Max. deg. in. Hg.	15° @ 15.5
	Breaker gap (in.)		.016-.019
	Cam angle (deg.)		28-32
	Breaker arm tension (oz.)		19-23
Timing	Crankshaft deg. @ rpm.		4° BTC @ 500 rpm for 250 HP engine; 8° BTC @ 500 rpm for 300 HP (engine (b)
	Mark location		Harmonic balancer
	Cylinder numbering system (see page 2)	Front ←	Right bank 2-4-6-8 Left bank 1-3-5-7
	Firing order (see page 2)		1-8-4-3-6-5-7-2
Spark Plug	Make and model		AC 44
	Thread (mm)		14
	Tightening torque (lb. ft.)		25
	Gap		.033-.038
Cable	Conductor type		Linen core impregnated with electrical conducting material
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Hypalon jacket

ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension ignition cable

(a) 1111022 for 360 HP engines.

(b) 10° BTC @ 700 rpm for 340 and 360 HP engines.

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MODEL Corvette

All models unless otherwise indicated

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	Yes
Charge indicator—type		Ammeter
Temperature indicator—type		Electric, Gauge
Oil pressure indicator—type		Bourdon tube, gauge
Fuel indicator—type		Electric, gauge
Other		Tachometer (mechanical)
Ignition switch	Identify positions in order and circuits controlled	2nd position CCW from vertical ---------- Accessories 1st position CCW from vertical ---------- Lock Vertical ---------- Off (unlocked) 1st position CW from vertical ---------- 2nd position CW from vertical ---------- Start (spring return to
	Provision for illumination	1 53 bulb
	Location	Right side of steering column, on instrument panel
Main lighting switch	Identify positions and lamps controlled	Depressed - Off 1st notch-instru. panel, parking, clock, tail, license lamps 2nd notch-instru. panel, head, tail, license lamps Rotate clockwise to dim or turn off instru. panel lamps, counter-clockwise to turn on or brighten panel lamps and turn on dome lamp (837 only)
Other light switches	Locations and lamps controlled	Dimmer----------Toe panel, headlamp beams and indicators Turn signal ---------- Steering column, front and rear t signal lamps and indicators Door jam - Hinge pillars, instru. panel courtesy & rear comp. lamp Stop ----------Brace below instru. panel, stop lamp Parking brake alarm ---- Parking brake lever. under instru. panel
Other switches	Locations and devices controlled	Glove compartment lamp ---------- Glove compartm Radio volume dial *---------- Radio Headlamps position flasher ---------- At headlamp mot Headlamp motors ---------- Instru. panel W/S wipers ---------- Instru. panel Heater blower ----------Center cons Radio * ---------- Center cons Power windows * ---------- Center cons Transmission safety switch *----------
Windshield wiper	Make	Delco
	Type	Electric, 2-speed
	Vacuum booster provision	None
	Washer provision	Co-ordinator and vacuum reserve tank
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	8.0-11.0 @ 12.5V

* - Optional equipment

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MODEL Corvette All models unless otherwise indicated

ELECTRICAL—LAMP BULBS

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

Headlamps & arrangement		Dual, 2-4002 (outer), 2-4001 (inner), horizontal
Headlamp beam indicator		1-53
Parking		2-1034
Tail		4-1034
Stop		4-1034
Direction signal	Front	2-1034
	Rear	4-1034
	Indicator	2-1816
License plate		1-67
Instrument		3-1816
Ignition lock		1-53
Back up		None
Dome		1-90, model 837 only
Clock		2-1816
Radio		1-1816*
Glove compartment		1-57
Courtesy		
Instrument panel		2-90
Rear compartment		1-90
Cig. lighter		1-53
Fuel and batt. gages		1-1816 (shared)
Headlamps position flasher		1-257
Parking brake flasher		1-257
Speedometer		1-1816
Tachometer		1-1816
Temperature and oil gages		1-1816 (shared)

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MODEL Corvette

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (e).

Headlamp	15 C. B. (a)	Headlamp position	
Headlamp beam indicator	(a)		Flasher - (g)
Parking lamp	(a)	Power windows -	40 C. B.
Tail lamp	AGC-10 (c)	Windshield wiper- thermal	
Stop lamp	AGC-20 (d)		overload
Direction indicator	Interrupter		
License plate lamp	(c)		
*Instrument lamp	AGC-4 (b)		
Ignition lamp	(b)		
Back up lamp	Not available		
Dome lamp (Model 837 only)	(d)		
Clock	(d)		
Clock lamp	(b)		
Radio and radio dial lamp	AGC-7.5		
Glove compartment lamp	(d)		
	* Cigarette lighter, fuel and battery gages, general lighting, speedo., tach., temperature and oil gages		
Parking brake flasher	AGC-10 (e)		
Fuel gage	(e)		
Courtesy-instrument panel	(d)		
Courtesy-rear compartment	(d)		
Temp. gage	(e)		
Direction lamps	Interrupter		
Deluxe heater	AGC-1 (f)		
Headlamp position motors	C. B. (g)		

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	21.76
		Highest	21.76
	Stop		21.76
	Backup		---
	License, rear		21.30
	Directional	Front	15.05
		Rear	21.76
	Headlamp	Inside	24.36
		Outside*	24.36
Distance from C/L of car to center of bulb	Tail	Inside	19.00
		Outside	24.00
	Stop		19.00 and 24.00
	Backup		---
	License, rear		.32
	Directional	Front	28.32
		Rear	19.00 and 24.00
	Headlamp	Inside	15.36
		Outside*	21.66

* If single headlamps are used enter here.

AMA Specifications – Passenger Car

MAKE OF CAR Chevrolet MODEL YEAR 1963 DATE ISSUED 10-1-62 REVISED (•)

MODEL Corvette | All models except as noted (a)

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Chevrolet, single disk, dry plate, centrifugally assisted
Type pressure plate springs		Diaphragm
Effective plate pressure (lb.)		2300-2600
No. of clutch driven discs		one with two facings
Clutch facing	Material	premium woven asbestos composition
	Outside & inside dia.	10.0x6.5
	Total eff. area (sq.in.)	90.7 (gross)
	Thickness	.135 ea.
	Engagement cushioning method	flat springs
Release bearing	Type & method of lubrication	ball bearing, sealed
Torsional damping	Methods: springs, friction material	coil springs

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-speed std.; 4-speed opt.
Manual with overdrive (std. or opt.)	not available
Automatic (std. or opt.)	optional with 250 and 300 HP engines

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds			3-speed - 3	For 250 and 300 HP engines (a)
Transmission ratios	In first		2.47:1	2.54:1
	In second		1.53:1	1.89:1
	In third		1.00:1	1.51:1
	In fourth		---	1.00:1
	In reverse		2.80:1	2.61:1
Synchronous meshing, specify gears			2nd and 3rd	all forward gears
Shift lever location			floor	
Lubricant	Capacity (pt.)		2.0	2.5
	Type recommended		Military MIL-L-2105-B	
	SAE viscosity number	Summer	---	
		Winter		
		Extreme cold	---	

(a) For 340 and 360 HP engines, 2.20:1, 1.64:1, 1.31:1, 1.00:1 and 2.26:1.

AMA Specifications – Passenger Car

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MODEL Corvette

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE - Not Available

For transmission data see manual transmission section

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

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Powerglide
Type describe		torque converter with planetary gears
Method of Selection (Lever, Push Button or other)		lever
Selector Pattern		P R N D L
List gear ratios Selector Pattern and indicate which are used in each selector position		drive 1.76:1 and 1:1 low and reverse 1.76:1
Max. upshift speed—drive range		67 mph
Max. kickdown speed—drive range		64 mph
Torque converter	Number of elements	3
	Max. ratio at stall	2.10:1
	Type of cooling (air, water)	none
Lubricant	Capacity—refill (pt.)	3
	Type recommended	A suffix A
Special transmission features		No cooling

DRIVE UNITS—PROPELLER SHAFT

Number used		1
Type (exposed, torque tube)		tubular, exposed
Outer diameter x length* x wall thickness	Manual transmission 3 & 4 speed	2 x 26.5 x .095
	Overdrive transmission	not available
	Automatic transmission	2 x 26.5 x .095

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

(Continued)

MAKE OF CAR Chevrolet MODEL YEAR 1963 DATE ISSUED 10/1/62 REVISED (a)

MODEL Corvette | All Engines except as noted (a)

DRIVE UNITS—PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		none
	Lubrication (fitting, prepack)		
Universal joints	Make		Chevrolet
	Number used		2
	Type (ball and trunnion, cross, other)		yoke and yoke trunnion
	Bearing	Type (plain, anti-friction)	anti-friction
		Lubric. (fitting, prepack)	prepack
Drive taken through (torque tube or arms, springs)			Torque control arms
Torque taken through (torque tube or arms, springs)			Torque control arms

DRIVE UNITS—REAR AXLE

Description (see instructions)			conventional-semi-floating, overhung pinion gear
Limited Slip differential, type			conventional with disk clutches
Drive Pinion Offset			1.5
No. of differential pinions			conventional-2; limited slip-4
Gear ratios (Std. equip.)	Manual transmission		3-speed-3.36:1; 4-speed-3.36:1 for 250 and 300 HP engines (a)
	Overdrive transmission		not available
	Automatic transmission		3.36:1
Ring gear O.D. (std. ratio)			8.375
Pinion adjustment (shim, other)			shim
Pinion bearing adj. (shim, other)			none
Wheel bearing type			taper roller
Lubricant	Capacity (pt.)		3.7
	Type recommended		MIL-L-2105-B
	SAE viscosity number	Summer	-
		Winter	-
		Extreme cold	-

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	conventional	3.08:1 (optional)	3.36:1 (standard)	3.70:1 (standard)	
No. of teeth	Pinion	12	11	10	
	Ring gear	37	37	37	

(a) 3.70:1 with 340 and 360 HP engines.

AMA Specifications – Passenger Car

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MODEL Corvette

DRIVE UNITS—WHEELS

See Supplement to Page 19 for Special Performance Wheels

Type & material		short spoke spider, steel(a)
Rim (size and flange type)	Std.	15 x 5, 5K
	Opt.	15 x 6L
Attachment (b)	Type (bolt or stud)	stud
	Circle diameter	4, 75
	Number and size	5 hex nuts, 7/16-20 UNF-2B

DRIVE UNITS—TIRES

Standard (List optional below)	Size & ply	6.70 x 15-4 Ply
	Type - Nylon, etc.	Blackwall rayon tubeless
Rev/mile at 50 mph.		760
Inflation press.(cold)	Front	24 psi
	Rear	24 psi
Optional tires - size and ply		6. 70 x 15 - 4 Ply Highway nylon tubeless (b/wall) 6. 70 x 15 - 4 Ply Highway rayon tubeless (w/wall)

BRAKES—SERVICE

See Supplementary Information to page 18 for metallic brake
See Supplement to Page 19 for Special Performance Brakes

Type (duo-servo, disc, balanced, etc.)			duo-servo, 4 wheel hydraulic
Self adjusting (std., opt., N.A.)			std.
Hydraulic system type (single, dual, etc.)			single
Power brake make & type (remote, integral, etc.)			Bendix, Delco-Moraine, vacuum power unit integral with an assisting master cylinder; integral.
Effective area (sq. in.)*			185. 2
Gross lining area (sq. in.)**			200. 4
Swept drum area (sq. in.)***			328. 0
Percent brake effectiveness—front			58. 5
Drum	Diameter	Front	11. 0
		Rear	11. 0
	Type and material		composite, web (steel) cast into rim (cast iron)
Wheel cylinder bore	Front		1. 1875
	Rear		1. 00
Master cylinder bore			8. 75
Available pedal travel			5. 00 W/O Power; 4. 12 with Power
Line pressure at 100 lb. pedal load			
Shoe clearance adjustment			

(Continued)

* Excludes rivet holes, grooves, chamfers, etc.
** Includes rivet holes, grooves, chamfers, etc.
*** Total swept areas for four brakes:
Widest lining contact width for each brake x its drum circumference.

(a) Ribbed integral casting, aluminum, available optionally
(b) For opt. wheel, adapter and spinner cap (2-5/8 - 8 UN 2B)

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SUPPLEMENTARY INFORMATION

MODEL Corvette

BRAKES - SERVICE

METALLIC - Same as BRAKES-SERVICE except as follows:

Effective area (sq. in.)	134.9
Gross lining area (sq. in.)	134.9
Shoe clearance adjustment	Self-adjusting
Brake lining	
Bonded or rivet	Welded
Front shoe	
Material	Sintered iron segments
Size (LxWxT)	
Front wheel	1.64 x 1.37 x .175
Rear wheel	2.00 x 1.00 x .175
Segments per shoe	6
Rear shoe	
Material	Sintered iron segments
Size (LxWxT)	
Front wheel	1.64 x 1.37 x .295
Rear wheel	2.00 x 1.00 x .295
Segments per shoe	
Front wheel	12
Rear wheel	10

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MODEL Corvette

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			bonded
	Front Shoe	Material		full molded asbestos composition
		Size (length x width x thickness)	Front wheel	9.34 x 2.75 x .168
			Rear wheel	9.34 x 2.00 x .168
		Segments per shoe		1
	Rear Shoe	Material		full molded asbestos composition
		Size (length x width x thickness)	Front wheel	11.75 x 2.75 x .168
			Rear wheel	11.75 x 2.00 x .168
		Segments per shoe		1

BRAKES—PARKING

Type of control		Hand operated pull rods and cables
Location of control		T handle at right of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	
	Drum diameter	
	Lining size (length x width x thickness)	

FRAME or UNITIZED CONSTRUCTION

Type and description: All welded, full length, ladder constructed frame with 5 cross-members. Front section flat; rear section contoured over rear axle. Sid rails and intermediate crossmembers box construction. Rear crossmemb "C" shaped; front crossmember concaved for engine clearance.

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)* (a)

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		mounting angle of front upper control arms
Provision for acc. squat control		none
Special provisions for car jacking		Front-5 inches forward of front edge of door opening, under frame; Rear-3 inches forward of wheel opening, under frame
Shock absorber front & rear	Type	Direct, double acting, hydraulic, with freon envelope
	Make	Delco
	Piston dia.	1.0
Other special features		full independent rear suspension

SUSPENSION—FRONT

Type and description	Independent, each wheel spherically-jointed to frame-hinged upper and lower control arms. Frame-secured coil spring and shock absorber (inside coil spring) attached to lower con ar

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

(Continued)

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(a) See page 19A for Special Performance equipment.

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SUPPLEMENTARY INFORMATION

MODEL 837

SPECIAL PERFORMANCE EQUIPMENT

Items shown same as items listed in report proper except as follows:

ENGINE FUEL SYSTEM
- Fuel Tank
  - Capacity, gallons ---------- 36.5

DRIVE UNITS-WHEELS
- Type and Material ---------- Ribbed integral casting, Aluminum
- Rim (size and flange type) ---------- 15 x 6L
- Attachment ---------- Adapter and Spinner Cap (2-5/8-8 UN 2B)

SPECIAL PERFORMANCE BRAKES
- Type ---------- Provisions for cooling, divided output master cylinder (to front and rear brakes) assisted by vacuum power unit
- Hydraulic system type ---------- Dual
- Effective area (sq. in.) ---------- 144.9
- Gross lining area (sq. in.) ---------- 144.9
- Swept drum area (sq. in.) ---------- 334.3
- Drum
  - Diameter
    - Front ---------- 11.2
    - Rear ---------- 11.2
  - Type and material -------- Composite, steel web and cast iron alloy rim, finned
- Master cylinder bore ---------- 1.00 each
- Line pressure at 100 lb. pedal load ----------
- Shoe clearance adjustment ---------- Self-adjusting
- Brake linings
  - Bonded or riveted ---------- Welded
  - Front Shoe
    - Material ---------- Sintered iron segments
    - Size (LxWxT)
      - Front wheel ---------- 1.64 x 1.37 x .388
      - Rear wheel ---------- 2.00 x 1.00 x .388
    - Segments per shoe ---------- 6

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SUPPLEMENTARY INFORMATION

MODEL 837

SPECIAL PERFORMANCE BRAKES - (cont'd)

Rear Shoe

Material	Sintered iron segments
Size (LxWxT)	
Front wheel	1.64 x 1.37 x .388
Rear wheel	2.00 x 1.00 x .388
Segments per shoe	
Front wheel	12
Rear wheel	10

SUSPENSION-GENERAL

Shock absorber, front and rear

Piston dia.	
Front	1.00
Rear	1.375

SUSPENSION-FRONT

Spring

Size (Design height and ID Bar length and dia.)	8.56, 3.80, 100.16, .680
Spring rate	550
Rate at wheel	
Design load	1255 @ 8.56

STABILIZER

Material and bar dia.	Steel, .94

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MODEL Corvette

SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D.; bar length x dia.	8.56 x 3.80 96.982 x .552
	Spring rate (lb. per in.)	260
	Rate at wheel (lb. per in.)	80.5
	Design load (lb. @ design height)	1340 @ 8.56
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel, .6875

STEERING

Provision for road or street, or fast ratio with mechanical; three-inch axial steering column adjustment

Mechanical (std., opt., NA)				Standard
Power (std., opt., NA)				Optional with 250 and 300 HP engines
Wheel diameter				16.0
Turning diameter	Outside front	Wall to wall (l. & r.)		Left, 41.3 ft.; Right, 41.9 ft.
		Curb to curb (l. & r.)		Left, 39.4 ft.; Right, 40.4 ft.
	Inside rear	Wall to wall (l. & r.)		Left, 25.1 ft.; Right, 26.2 ft.
		Curb to curb (l. & r.)		Left, 25.1 ft.; Right, 26.2 ft.
Outside wheel angle with inside wheel at 20°				
Mechanical	Gear	Type		Semi-reversible, recirculating ball
		Make		Saginaw
		Ratios	Gear	16:1
			Overall	20.2:1 road or street; 17.6:1 fast
	No. wheel turns			3.4 lock to lock, road or street; 2.92 fast
Power	Type (coaxial, linkage, etc.)			Hydraulic, power cylinder in linkage
	Make			Saginaw
	Trade name			None
	Gear	Type		Semi-reversible, recirculating ball
		Ratios	Gear	16:1
			Overall	17.6:1
	Pump driven by			Belt from crankshaft
	Number wheel turns			2.92 lock to lock
Linkage	Type			Relay, damped
	Location (front or rear of wheels, other)			Rear
	Drag link (trans. or longit.)			None
	Tie rods (one or two)			Two

(Continued)

AMA Specifications – Passenger Car

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MODEL Corvette

STEERING (cont)

Steering Axis	Inclination at camber (deg.)		7° 11'
	Bearings (type)	Upper	ball stud with non-metallic liner
		Lower	ball stud with non-metallic liner
		Thrust	none required
Wheel alignment (range and preferred)	Caster (deg.)		+2° ± 0° 30' (Design)
	Camber (deg.)		+0° 30' ± 0° 30' (Design)
	Toe-in (outside tread-inches)		± 1/16, per wheel (Design)
Steering spindle & joint type			forged steel with integral brake cyl. mtg., detach. steer. ar
Wheel spindle	Diameter	Inner bearing	1.2493 - 1.2498
		Outer bearing	.7492 - .7497
	Thread size		3/4-20 NEF-3 (modified)
	Bearing type		taper roller

SUSPENSION—REAR

Type and description				(a)
Drive and torq. taken through (see page 17)				torque control arms
Spring	Type			multi-leaf
	Material			chrome carbon steel
	Size (length x width,			46.36 X 2.25
	Spring rate (lb. per in.)			162
	Rate at wheel (lb. per in.)			
	Design load (lb. at design height)			1360 at - .352 camber
	Mounting insulation type			solid at differential; ~~free at shackles~~
	If leaf	No. of leaves		9
		Inserts	Type and size	7 liners; 2.25(wide) X, 44.58, 39.08, 33.58, 29.08, 24.58, 20.0
			Material	polyethylene with graphite
		Shackle (comp. or tens.)		restricts movement to vertical only
Stabilizer	Type (link, linkless, frameless)			none
	Material			
Track bar type				none

(a) Full independent with fixed differential, transverse multi-leaf spring, lateral struts and universally-jointed axle drive shafts.
Camber (Design), (-) 1° 30' ±30'
Toe-in (Per wheel, Design), ±1/16

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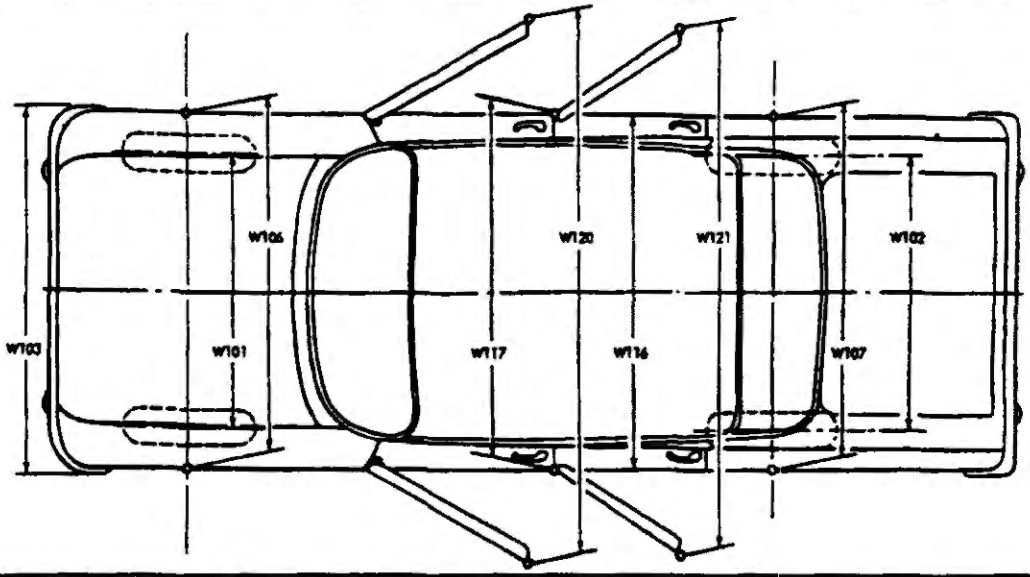
CAR AND BODY DIMENSIONS—GENERAL

NOTE: Included in the dimension definitions listed on pages 34–36 are those which have been adopted by SAE. These are indicated by a number following the type of dimension, e.g., L3. Additional dimensions have been added by the AMA Specifications Review Committee. These are shown by an additional letter, e.g., H67a. The symbol "a" has been added as a suffix to denote a dimension adopted by the AMA and submitted to the SAE for approval. The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

EXTERIOR WIDTH DIMENSIONS



MODEL Corvette	Ref. No.	0867	0837
Tread - front	W101	56.3	
Tread - rear	W102	57.0	
Maximum overall front bumper width	W103	69.2	
Maximum overall body width	W116	see W106	
Maximum body width at ∅2 pillar	W117	---	
Front fender overall width	W106	69.6 (maximum width of body)	
Rear fender overall width	W107	67.3	
Maximum overall car width - front doors open	W120a	139.3	
Maximum overall car width - rear doors open	W121a	---	

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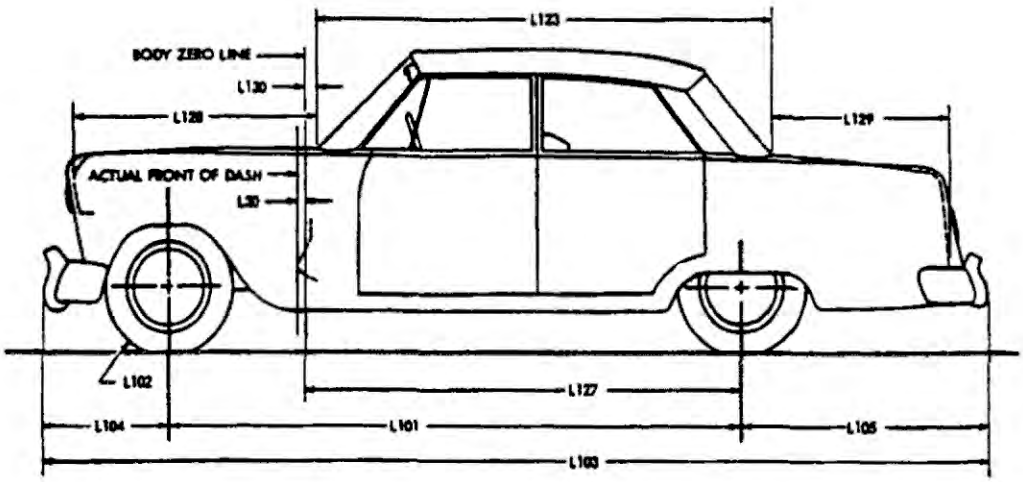
EXTERIOR LENGTH DIMENSIONS



MODEL Corvette	Ref. No.	0867	0837
Body zero line to actual front of dash	L30	2.57 (zero line fore of dash)	
Wheelbase	L101	98.0	
Overhang - front	L104	32.0	
Overhang - rear	L105	45.3	
Overall length	L103	175.3	
Hood length at car centerline	L128a	52.6	
Body upper structure length at car centerline	L123	66.8 convertible 69.2 hardtop	77.9
Deck length at car centerline	L129a	39.7 convertible 37.3 hardtop	28.6
Body zero line to centerline of rear wheels	L127	72.0	
Body zero line to windshield cowl point	L130a	8.98	
Tire size	L102	6.70 x 15	

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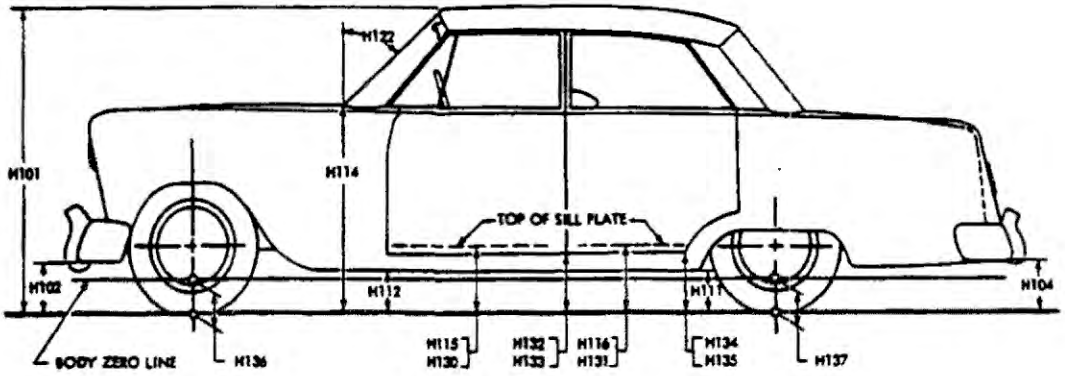
EXTERIOR HEIGHT DIMENSIONS



MODEL Corvette	Ref. No.	0867	0837
Overall height	H101	Soft top 49.8 Hard top 49.3	49.8
Hood at rear to ground	H114	34.9	
Rocker panel to ground - front	H112a	7.95	
Rocker panel to ground - rear	H111	7.95	
Step height - front (design load)	H115	14.0	
Step height - rear (design load)	H116	---	
Step height - front (curb load)	H130	16.2	
Step height - rear (curb load)	H131	---	
Bottom of door to ground, open - front	H132	13.5	
Bottom of door to ground, closed - front	H133	12.5	
Bottom of door to ground, open - rear	H134	---	
Bottom of door to ground, closed - rear	H135	---	
Front bumper to ground	H102	18.0 (excluding guards)	
Rear bumper to ground	H104	16.6 (excluding guards)	
Windshield slope angle	H122	56° 30'	
Body zero to ground - front	H136a	7.7	
Body zero to ground - rear	H137a	7.7	

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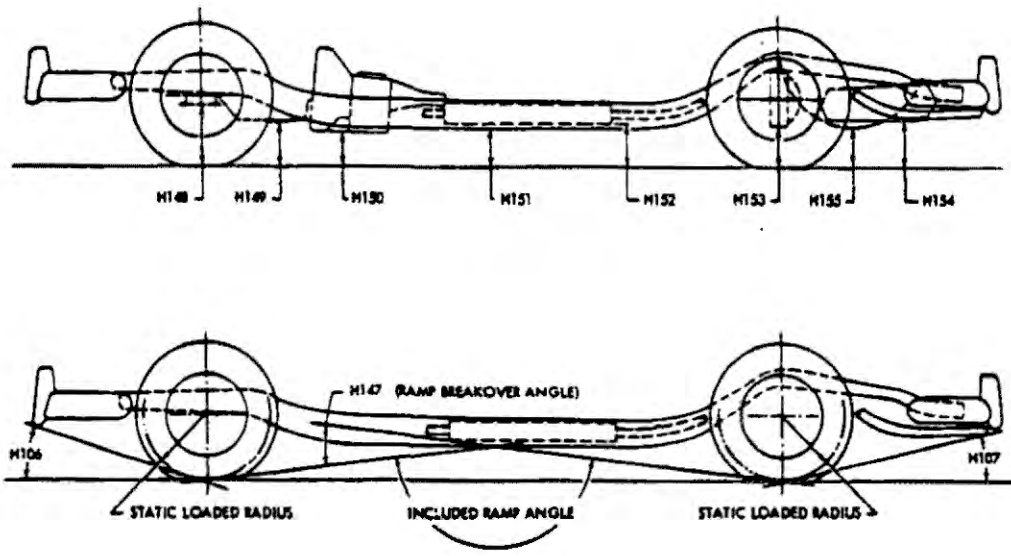
GROUND CLEARANCE DIMENSIONS



MODEL	Ref. No.	0867	0837
Angle of approach	H106	26°39'	
Angle of departure	H107	17°21'	
Ramp breakover angle	H147	11°45'	
Front suspension to ground	H148	8.0	
Oil pan to ground	H149	6.0	
Flywheel housing to ground	H150	5.9	
Frame structure to ground	H151	5.5	
Exhaust system to ground	H152	5.0	
Rear axle differential to ground	H153	7.8	
Fuel tank to ground	H154		
Spare tire well to ground	H155	6.1	
Minimum running ground clearance	H156	5.0	

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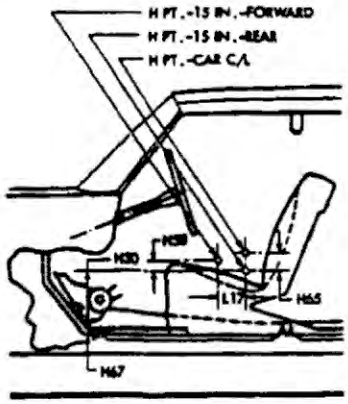
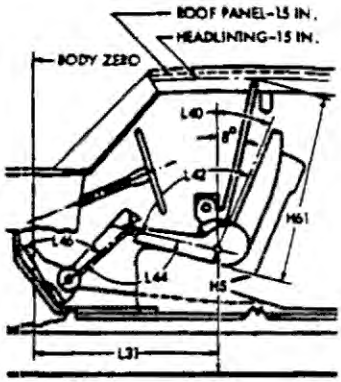
FRONT COMPARTMENT DIMENSIONS





MODEL Corvette	Ref. No.	0867	0837
H Point to body zero line	L31a	44.2	
H Point to ground	H5a	15.8	
Effective head room	H61a	Soft top 38.1 Hard top 36.9	37.0
Headlining to roof height	H37		
Maximum effective leg room - accelerator	L34a	41.6	
H Point to heel point	H30a	8.3	
Depressed floor covering thickness	H67a		
Back angle	L40a	25°	
Hip angle	L42a	95°	
Knee angle	L44a	126°	
Foot angle	L46a	71°	
H Point differential, side to center	H65a	--	
H Point to tunnel	H54a	2.47	
H Point to accelerator floor point	L53a	34.9	
H Point travel	L17a	4.0	
H Point rise	H58a	.32	

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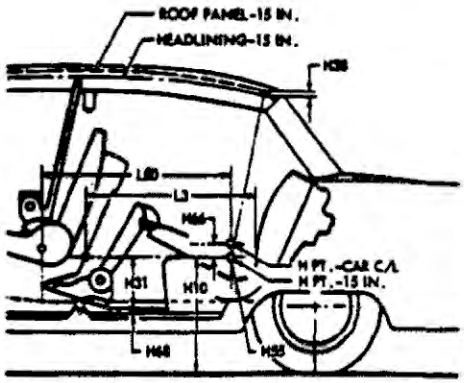
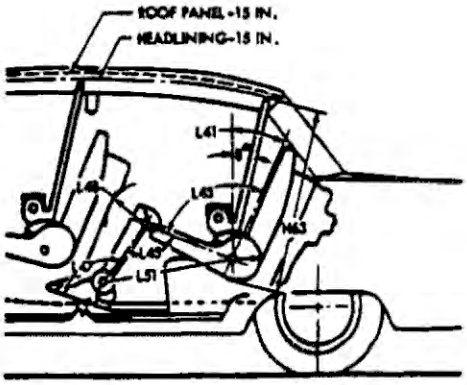
REAR COMPARTMENT DIMENSIONS





MODEL Corvette	Ref. No.	
H Point couple distance	L80a	Does not apply
H Point to ground	H10a	
Effective head room	H63a	
Headlining to roof height	H38	
Minimum effective leg room	L51a	
H Point to heel point	H31a	
Depressed floor covering thickness	H68a	
Minimum knee room	L48a	
Rear compartment room	L3	
Back angle	L41a	
Hip angle	L43a	
Knee angle	L45a	
Foot angle	L47a	
H Point differential, side to center	H66a	
H Point to tunnel	H55a	

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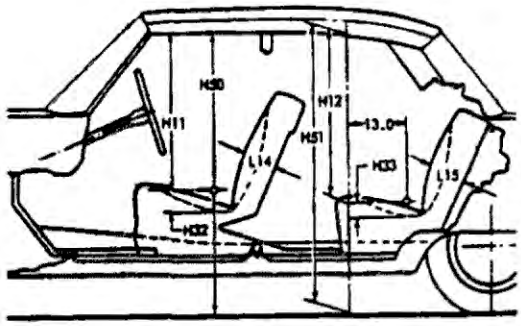
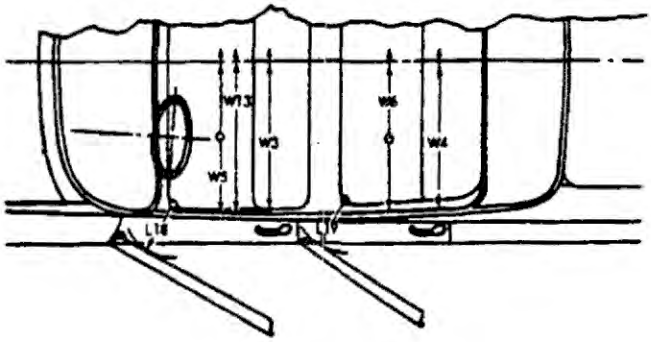
SEAT AND ENTRANCE DIMENSIONS





MODEL Corvette	Ref. No.	0867	0837
Shoulder room - front	W3a	48.2	
Hip room - front	W5a	52.4	
Seat width - front	W16a	20.8 (each bucket seat)	
Upper body opening to ground - front	H50a	45.6	46.8
Entrance height - front	H11a	29.8	31.0
Entrance foot clearance - front	L18		
Seat cushion deflection - front	H32a	2.98	
Seat back thickness - front	L14	4.0	
Shoulder room - rear	W4a	Does not apply	
Hip room - rear	W6a		
Upper body opening to ground - rear	H51a		
Entrance height - rear	H12a		
Entrance foot clearance - rear	L19		
Seat cushion deflection - rear	H33a		
Seat back thickness - rear	L15		

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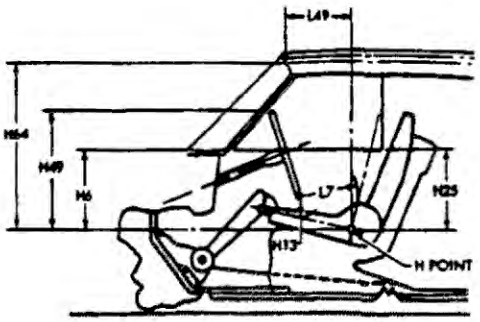
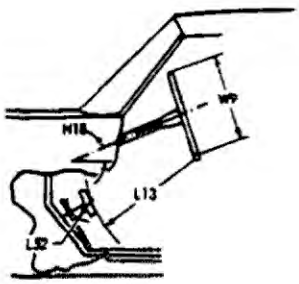
VISION AND CONTROL DIMENSIONS





MODEL Corvette	Ref. No.	0867	0837
H Point to windshield bottom DLO	H6a	19.8	
H Point to windshield upper DLO	H64a	30.5	
H Point to windshield upper DLO	L49a	16.9	
Belt height - front	H25a	17.6	
Steering wheel center to centerline of car	W7	12.9	
Steering wheel maximum outside diameter	W9	16.0	
Steering column angle - horizontal	H18	15°23'	
H Point to top of steering wheel	H49a	27.5	
Steering wheel torso clearance	L7a	12.2	
Steering wheel thigh clearance	H13a	2.82	
Brake pedal knee clearance	L13	24.5	
Brake pedal to accelerator	L52a	1.48	
Tumble-home	W122a		

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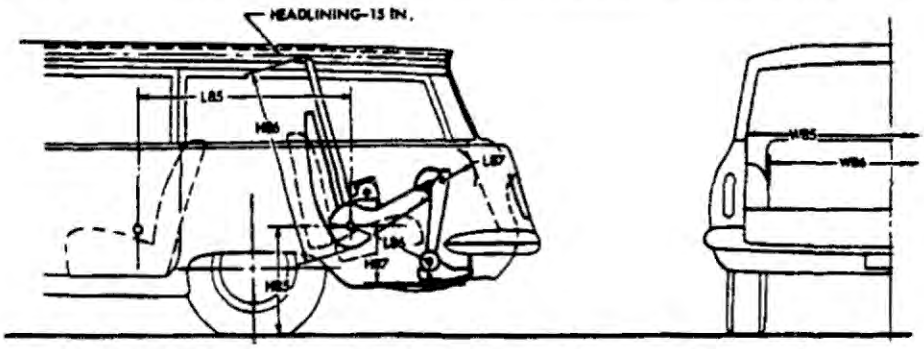
LUGGAGE COMPARTMENT

MODEL Corvette	Ref. No.	867	837
Usable luggage capacity (See instructions)		8.4FT^3	10.5FT^3
Liftover height*	H301a		
Position of spare tire storage		Under Fuel Tank	
Method of holding lid open			

THIRD SEAT DIMENSIONS



MODEL Corvette	Ref. No.		
Seat facing direction		Does not apply	
Shoulder room	W85a		
Hip room	W86a		
H Point couple distance	L85a		
H Point to ground	H85a		
Effective head room	H86a		
Effective leg room	L86a		
H Point to heel point	H87a		
Knee room	L87a		
Back angle	L88a		
Hip angle	L89a		
Knee angle	L90a		
Foot angle	L91a		

* Vertical dimension from luggage compartment lower opening to ground.

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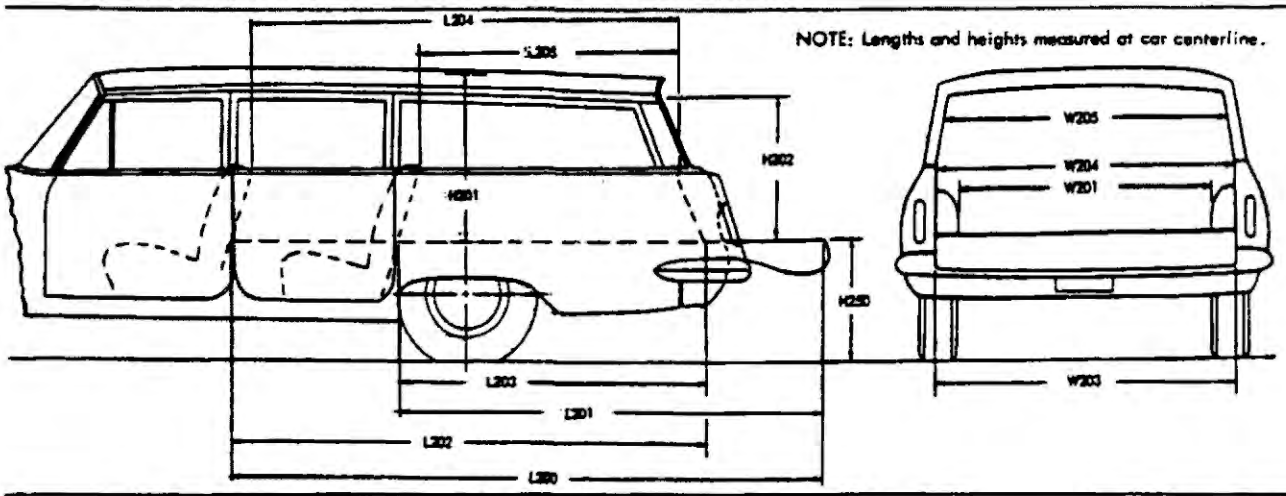
STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Lengths and heights measured at car centerline.

MODEL Corvette	Ref. No.	
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	Does not apply
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	
Floor length from back of second seat at floor level to inside of closed tail gate	L203	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	
Maximum width of cargo space at floor - specify location	W200a	
Minimum distance between wheel houses at floor level	W201	
Rear end opening width at floor	W203	
Rear end opening width at belt	W204	
Maximum width of rear opening above belt	W205	
Maximum height - floor covering to headlining at centerline of rear axle	H201	
Maximum height of rear opening - tail and lift gates open	H202	
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		
Cargo volume index (cu. ft.) W4 x L204 x H201 / 1728		

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BODY—MISCELLANEOUS INFORMATION

MODEL		Corvette	867 / 837
Drs. hinged (front, rear)	Front doors	front	
	Rear doors	---	
Type of finish (lacquer, enamel, other)		Acrylic Lacquer	
Hood hinge location (front, rear)		front	
Hood counterbalanced (yes, no)		no	
Hood release control (internal, external)		internal	
Vehicle (Serial) No. Location		1) Right hand side of hinge pillar cross brace, under glove box 2) With engine no.	
Engine No. Location		Front right side of cylinder block	
Theft protection - type		outside door key locks	
Vent window control method (crank, friction pivot)	Front	crank	
	Rear	---	
Seat cushion type	Front	Bucket, polyurethane padding	
	Rear	---	
Seat back type	Front	Bucket, polyurethane padding	
	Rear	---	
Windshield type (single curved, compound curved, other)		Single, curved	
Rear window type (flat curved, one piece, three piece)		867 - convert: flat, 1 867 - hardtop: curved 1 837 - sport coupe: compound curved, 2	
Side glass type (curved, flat)		compound curved	
Side glass exposed surface area		550.1 Sq. In.	620.1 Sq. In.
Windshield glass exposed surface area		789.7 Sq. In.	
Backlight glass exposed surface area		Soft top 440.5 Sq. In.	724.1 Sq. In.
Total glass exposed surface area		Soft top 1780.3 Sq. In.	2133.9 Sq. In.

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MAJOR OPTIONAL ITEMS - WEIGHTS

	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. in Front		Pass. in Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Model Corvette								
867 convertible	1610	1427	3037					2881
867 hardtop	1613	1430	3043					2887
837 sport coupe	1598	1417	3015					2859

Accessories & Equipment Differential Weights				Remarks
Powerglide			+19.5	
4-speed			+ 1.9	
300 HP engine			+ 4.7	
340 HP engine			+12.8	
360 HP engine			+10.5	
Power Brakes			+12.7	
Power Steering			+27.2	
Optional Wheels			+10.8	
Positraction Axles			+ 8.9	
Spec. Perform. Equip.				
Auxiliary Top			+ 6.2	
Radio				
Less heater				

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

DIMENSION DEFINITIONS

W3a SHOULDER ROOM - FRONT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.

W4a SHOULDER ROOM - REAR. Measured in the same manner as W3a.

W5a HIP ROOM - FRONT. The lateral dimension through H Point to trimmed surfaces.

W6a HIP ROOM - REAR. Measured in the same manner as W5a.

W7 STEERING WHEEL CENTER TO CENTERLINE OF CAR. Measured horizontally from steering wheel center to centerline of car. The point at steering wheel center is located in the surface plane of wheel.

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

W16a SEAT WIDTH - FRONT. The maximum trimmed width of front seat cushion.

W85a SHOULDER ROOM - THIRD SEAT. Measured in the same manner as W3a.

W86a HIP ROOM - THIRD SEAT. Measured in the same manner as W5a.

W101 TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.

W102 TREAD - REAR. Measured at centerline of tires at ground.

W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions.

W106 FRONT FENDER OVERALL WIDTH. Measured at centerline of front wheels, excluding moldings.

W107 REAR FENDER OVERALL WIDTH. Measured at centerline of rear wheels, excluding moldings.

W116 MAXIMUM OVERALL BODY WIDTH. Measured across body, excluding hardware and applied moldings, but including fenders when integral with body.

W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

W120a MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN. Measured with front doors in maximum hold-open position.

W121a MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Measured in same manner as W120a.

W122a TUMBLE-HOME. The angle from vertical to the front door glass outer surface or the chord of a curved door glass, measured at the front H Point station.

L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at a height tangent to the top of rear seat cushion.

L7a STEERING WHEEL TORSO CLEARANCE. The minimum distance from the back edge of steering wheel, in straight-ahead position, to the Torso Line.

L13 BRAKE PEDAL KNEE CLEARANCE. The minimum dimension from the lower edge of the steering wheel to the brake pedal face centerline.

L14 SEAT BACK THICKNESS - FRONT. The maximum thickness of the seat back, excluding bolsters.

L15 SEAT BACK THICKNESS - REAR. Measured in the same manner as L14.

L17a H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

L18 ENTRANCE FOOT CLEARANCE - FRONT. The minimum horizontal dimension between seat and normal line of door or pillar at a height between the sill plate bead and 4.0 inches above the bead. Door should be in the maximum hold-open position.

L19 ENTRANCE FOOT CLEARANCE - REAR. Measured in the same manner as L18 on four-door models. On two-door styles, the minimum dimension between rear corner of front seat, with front seat back tilted forward, and trimmed lock pillar, built-in quarter armrest panel, or rear seat cushion at a height between the sill plate bead and 4.0 inches above the bead.

L30 BODY ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.

L31a H POINT TO BODY ZERO LINE - FRONT. Horizontal dimension.

L34a MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the right foot on accelerator pedal.

L40a BACK ANGLE - FRONT. The angle between a vertical line through the H Point and the Torso Line.

L41a BACK ANGLE - REAR. Measured in the same manner as L40a.

L42a HIP ANGLE - FRONT. The angle between Torso Line and a line extending from knee pivot center to H Point.

L43a HIP ANGLE - REAR. Measured in the same manner as L42a.

L44a KNEE ANGLE - FRONT. The angle between a line from H Point to knee pivot center and a line from the knee pivot center to the ankle pivot center.

L45a KNEE ANGLE - REAR. Measured in the same manner as L44a.

L46a FOOT ANGLE - FRONT. The angle between a line extended from the knee pivot center through the ankle pivot center and a line tangent to the sole and heel of manikin bare foot.

L47a FOOT ANGLE - REAR. Measured in the same manner as L46a.

L48a MINIMUM KNEE ROOM - REAR. The minimum dimension from the knee pivot center to the back of front seat back.

L49a H POINT TO WINDSHIELD UPPER DLO. The horizontal dimension from H Point to the point of tangency of horizontal line of vision (described in dimension H64a) with body upper structure.

DIMENSION DEFINITIONS (cont.)

L50a H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.

L51a MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the foot positioned to nearest interference between seat structure and toe, instep or lower leg.

L52a BRAKE PEDAL TO ACCELERATOR. The minimum dimension from center of brake pedal face to accelerator. Measured in the side view.

L53a H POINT TO ACCELERATOR FLOOR POINT. The horizontal dimension from intersection of accelerator and depressed floor covering to the H Point.

L85a H POINT COUPLE DISTANCE - THIRD SEAT. The horizontal dimension from the second seat H Point to the third seat H Point.

L86a EFFECTIVE LEG ROOM - THIRD SEAT. Measured in the same manner as L51a. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.

L87a KNEE ROOM - THIRD SEAT. Measured in the same manner as L48a. With rear-facing third seat, dimension is measured to rear closure.

L88a BACK ANGLE - THIRD SEAT. Measured in the same manner as L40a.

L89a HIP ANGLE - THIRD SEAT. Measured in the same manner as L42a.

L90a KNEE ANGLE - THIRD SEAT. Measured in the same manner as L44a.

L91a FOOT ANGLE - THIRD SEAT. Measured in the same manner as L46a.

L101 WHEELBASE.

L102 TIRE SIZE.

L103 OVERALL LENGTH. Include bumper guards if standard equipment.

L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.

L105 OVERHANG - REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.

L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the theoretical intersection of extended windshield glass plane and normal cowl surface to the theoretical intersection of extended back window glass plane and normal deck surface; or in the case of a Fastback roof or Station Wagon, to back glass lower reveal molding, or rubber when molding is not used.

L127 BODY ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.

L128a HOOD LENGTH AT CAR CENTERLINE. The horizontal dimension from the foremost point on sheet metal hood surface, excluding series identification or ornamentation, to the theoretical intersection of extended windshield glass plane and normal cowl surface.

L129a DECK LENGTH AT CAR CENTERLINE. The horizontal dimension from the rearmost point of the body sheet metal (visible above bumper), excluding series identification or ornamentation, to the theoretical intersection of extended back window glass plane and normal deck surface.

L130a BODY ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from body zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

H5a H POINT TO GROUND - FRONT. Vertical dimension.

H6a H POINT TO WINDSHIELD BOTTOM DLO. Vertical dimension.

H10a H POINT TO GROUND - REAR. Vertical dimension.

H11a ENTRANCE HEIGHT - FRONT. The vertical dimension from H Point to upper trimmed body opening.

H12a ENTRANCE HEIGHT - REAR. The vertical dimension from H Point to the upper trimmed body opening at a section 13.0 inches forward of the H Point.

H13a STEERING WHEEL THIGH CLEARANCE. The minimum dimension from the bottom of steering wheel, in straight-ahead position, to centerline of thigh.

H18 STEERING COLUMN ANGLE - HORIZONTAL. The angle the centerline of steering column makes with the horizontal.

H25a BELT HEIGHT - FRONT. The vertical dimension from H Point to bottom of side window DLO.

H30a H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the manikin accelerator heel point on the depressed floor covering.

H31a H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the manikin heel point on the depressed floor covering.

H32a SEAT CUSHION DEFLECTION - FRONT. The vertical dimension from a point on the undepressed seat cushion to the depressed seat cushion. Measured at the H Point station.

H33a SEAT CUSHION DEFLECTION - REAR. Measured in the same manner as H32a.

H37 HEADLINING TO ROOF HEIGHT - FRONT. The dimension from the intersection of the headlining and the extended effective head room line to the roof panel. Measured perpendicularly to the roof panel.

H38 HEADLINING TO ROOF HEIGHT - REAR. Measured in the same manner as H37.

H49a H POINT TO TOP OF STEERING WHEEL. The vertical dimension from the H Point to top of steering wheel, in straight-ahead position.

H50a 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.

DIMENSION DEFINITIONS (cont.)

H51a 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.

H54a H POINT TO TUNNEL - FRONT. The minimum dimension from the H Point, at car centerline, to top of tunnel.

H55a H POINT TO TUNNEL - REAR. Measured in the same manner as H54a.

H58a H POINT RISE. The vertical dimension between the H Point in the most forward and rearward seat positions.

H61a 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.

H63a EFFECTIVE HEAD ROOM - REAR. Measured in the same manner as H61a.

H64a H POINT TO WINDSHIELD UPPER DLO. Vertical dimension from H Point to highest horizontal line of vision through windshield at 15 inch section.

H65a H POINT DIFFERENTIAL, SIDE TO CENTER - FRONT. The vertical dimension from side occupant H Point to center occupant H Point.

H66a H POINT DIFFERENTIAL, SIDE TO CENTER - REAR. Measured in the same manner as H65a.

H67a DEPRESSED FLOOR COVERING THICKNESS - FRONT. The vertical dimension from manikin accelerator heel point normally to underbody sheet metal immediately below heel point.

H68a DEPRESSED FLOOR COVERING THICKNESS - REAR. Measured same as H67a.

H85a H POINT TO GROUND - THIRD SEAT. Vertical dimension.

H86a EFFECTIVE HEAD ROOM - THIRD SEAT. Measured in the same manner as H61a.

H87a H POINT TO HEEL POINT - THIRD SEAT. Measured in the same manner as H31a.

H101 OVERALL HEIGHT. Measured with full design load.

H102 FRONT BUMPER TO GROUND. Minimum dimension.

H104 REAR BUMPER TO GROUND. Minimum dimension.

H106 ANGLE OF APPROACH. Minimum angle between ground and a line tangent to arc of front tire static loaded radius and touching the limiting point of interference on front bumper, bumper guard, or gravel deflector.

H107 ANGLE OF DEPARTURE. Minimum angle between ground and a line tangent to arc of rear tire static loaded radius and touching the limiting point of interference on rear bumper, bumper guard, gravel deflector, tail pipe, fender or other interfering structure.

H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at front of rear wheel opening.

H112a ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at foremost point of rocker panel.

H114 HOOD AT REAR TO GROUND. Measured from hood opening line on shroud, exclusive of moldings.

H115 STEP HEIGHT - FRONT (DESIGN LOAD). The vertical dimension from top of sill plate bead, at C/L of front door sill plate, to ground.

H116 STEP HEIGHT - REAR (DESIGN LOAD). Measured in same manner as dimension H115.

H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

H130 STEP HEIGHT - FRONT (CURB LOAD). The vertical dimension from top of sill plate, at C/L of front door sill plate, to ground.

H131 STEP HEIGHT - REAR (CURB LOAD). Measured in same manner as H130.

H132 BOTTOM OF DOOR TO GROUND, OPEN - FRONT. Measured from bottom outside corner of door with door in maximum hold-open position.

H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT. Same point on door as H132 dimension, with door closed.

H134 BOTTOM OF DOOR TO GROUND, OPEN - REAR. Measured in same manner as H132.

H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR. Measured in same manner as H133.

H136a BODY ZERO TO GROUND - FRONT. A vertical dimension measured at front wheel centerline.

H137a BODY ZERO TO GROUND - REAR. A vertical dimension measured at rear wheel centerline.

H147 RAMP BREAKOVER ANGLE. Supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.

H148 FRONT SUSPENSION TO GROUND. Minimum clearance measured from lower control arm inner shaft or lowest point on the car centerline.

H149 OIL PAN TO GROUND. Minimum clearance measured from sheet metal or drain plug.

H150 FLYWHEEL/CONVERTER HOUSING AND TRANSMISSION ASSEMBLY TO GROUND. Minimum clearance.

H151 FRAME STRUCTURE TO GROUND. Minimum clearance measured approximately midway between front and rear axles. In this measurement, cross bars and X-members shall be considered part of frame.

H152 EXHAUST SYSTEM TO GROUND. Minimum clearance. Specify location.

H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Minimum clearance.

H154 FUEL TANK TO GROUND. Minimum clearance measured from sheet metal or drain plug, but excluding supports or straps.

H155 SPARE TIRE WELL TO GROUND. Minimum clearance.

H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.