AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR:	CHEVROLET	**MODEL NAME**	**SYMBOL**
COMPANY:	CHEVROLET DIVISION GENERAL MOTORS CORP. GENERAL MOTORS BLDG. DETROIT 2, MICHIGAN	CORVETTE 2934	
MODEL YEAR:	1955 **DATE** May 31, 1955		

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NOTES: 1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.
2. *All specifications are standard for the models under which they are listed unless otherwise indicated.*
3. All dimensions are nominal engineering dimensions unless otherwise indicated.
4. Unless otherwise indicated, specifications apply to 5 or 6 passenger, 4-door sedan or equivalent.

GENERAL SPECIFICATIONS

Model		Six Cylinder	Eight Cylinder
Wheelbase		102	
Tread	Front	56.70	
	Rear	58.80	
Maximum Overall Dimensions	Length (L-103)	167.00	
	Width (W-103)	72.24	
	Height (H-101)	48.50 Over W/S (Top Down)	
Steering ratio—overall		16:1	
Turning diameter (curb to curb)		Right-36.55; Left 36.93	
Shipping weight* (a)		2695 Lbs.	2665 Lbs.
Transmission—(Specify standard, optional, not avail.)	Conventional	N.A.	
	Overdrive	N.A.	
	Automatic	Standard	
Axle ratio	Conventional	N.A.	
	Overdrive	N.A.	
	Automatic	3.55:1	
Tire size		6.70-15-4 Ply Rating	
Engine	Type	In Line	Vee
	No. of cylinders	6	8
	Valve arrangement	In Head	
	Bore and stroke	3-9/16 x 3-15/16	3-3/4 x 3
	Piston displacement, cu. in.	235.5	265
	Standard compression ratio	8.0:1	
	Maximum bhp at engine rpm	155 @ 4200	195 @ 5000
	Maximum torque at rpm	225 @ 2800	260 @ 3000

*Standard car weight, not including gas and water.

(a) Without Radio and Heater

ORIGINAL

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MAKE OF CAR CHEVROLET **MODEL YEAR** 1955

MODEL CORVETTE			Six Cylinder	Eight Cylinder
ENGINE—GENERAL				
Type	V, In-line, other		In Line	V
	Angle of V		---	90°
No. of cylinders			6	8
Valve arrangement			In Head	
Bore and stroke			3-9/16 x 3-15/16	3-3/4 x 3
Piston displacement, cu. in.			235.5	265
Numbering system (front to rear)	L. Bank		---	1-3-5-7
	R. Bank		---	2-4-6-8
Firing order			1-5-3-6-2-4	1-8-4-3-6-5-7-2
Compression ratio	Standard Head		8.0:1	
	Optional Head		N.A.	
Cylinders	Head Material	Standard	Cast Alloy Iron	
		Optional	N.A.	
	Sleeve—Wet, dry, other, none		None	
Number of mounting points		Front	2	
		Rear	2	
Taxable horsepower	(Dia.² x No. Cyl.) / 2.5		30.4	45
Advertised max. brake horsepower at engine RPM*	Standard head		155 @ 4200	195 @ 5000
	Optional head		---	
	With fuel (Octane and method)	Standard Head	80-85	85-90
		Optional Head	---	
Max. torque (lb. ft. @ RPM)	Standard head		225 @ 2800	260 @ 3000
	Optional head		---	
Recommended idle speed (neutral)			425 In Drive	

ENGINE—PISTONS				
Material			Cast Aluminum Alloy with Steel Struts	
Description and finish			Cam Ground, Tin Coated Controlled Expansion, Flat Head.	Cam Ground, Tin Coated Controlled Expansion, Flat Head, Slipper Type Skirt
Weight (piston only) oz.			18.88	18.77
Clearance	Top land		.028-.036	.035-.042
	Skirt	Top	.0005-.0011 (a)	.0005-.0011 (b)
		Bottom	---	
Ring groove depth	No. 1 ring		.1985-.2045	.2118-.2178
	No. 2 ring		.1985-.2045	.2118-.2178
	No. 3 ring		.1985-.2045	.2041-.2105
	No. 4 ring		None	

*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories: Dynamometer Exhaust, water pump, no fan, generator (not charging)

(a) Measured 1.29 inches from top of piston

(b) Measured 2.44 inches from top of piston

(c) Measured with respect to cylinder wall

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MODEL CORVETTE			Six Cylinder	Eight Cylinder
ENGINE—RINGS				
Type (top to bottom)	No. 1 oil or comp.		(a)	(d)
	No. 2 oil or comp.		(b)	(e)
	No. 3 oil or comp.		(c)	(b)
	No. 4 oil or comp.		None	
No. rings above piston pin			3	
Compression	Material		Cast Alloy Iron	
	Coating		Top Ring - Chrome Plated Bottom Ring - Wear Resistant Coating	
	Width		.0930-.0935	.077-.078
	Gap		.007-.017	Upper-.008-.016; Lower-.009-.018
	Maximum wall thickness		.178	Upper-.179; Lower-.187
Oil	Material		Steel	
	Coating		Chrome Plated O.D.	
	Width		.180-.185	.181-.188
	Gap		.015-.035	.015-.055
	Maximum wall thickness		.138 (Rails)	.168 (Rails)
Location of expanders			Oil Ring	None
ENGINE—PISTON PINS				
Material			Chromium Steel (File Hard Case)	
Length			3.168-3.198	3.110-3.130
Diameter			.8660-.8665	.9270-.9273
Type	Locked in rod, in piston, floating, etc.		Clamped in Rod	Pressed in Rod
	Bushing	In rod or piston	None	
		Material		
Clearance	In piston		.00015-.00025	.00011-.00029
	In rod		None	
Direction offset in piston			Major Thrust Side	
ENGINE—CONNECTING RODS				
Material			Drop Forged Steel	
Weight (oz.)			31.70	19.02
Length (center to center)			6.8125	5.700
Bearing	Material		Steel Backed Babbitt	
	Type (cast-in or removable)		Removable	
	Effective length		1.008	.817
	Clearance		.0007-.0028	
	End play		.005-.010	.008-.014 (2 Rods)
ENGINE—CRANKSHAFT				
Material			Drop Forged Steel	
Weight (lb.)			80.00	47.75

(a) Thick Wall - Inside Bevel - Chrome Plated
(b) Thick Wall - Inside Bevel or Counterbore
(c) Three Piece with Expander (2 Chrome Plated Rails)
(d) Thick Wall - Inside Bevel - Taper Face - Chrome Plated
(e) Thick Wall - Inside Bevel or Counterbore - Taper Face
(f) Multi-Piece (2 Chrome Plated Rails with Spacer)

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MODEL CORVETTE	Six Cylinder	Eight Cylinder

ENGINE—CRANKSHAFT (cont.)

Vibration damper type			Oscillating (Rubber Floating)	
End thrust taken by bearing (No.)			3	5
Crankshaft end play			.0035-.0095	.002-.006
Main bearing	Material		Steel Backed Babbitt	
	Type (cast-in or removable)		Removable	
	Clearance		.0004-.0025	.0008-.0034
	Journal dia. and bearing effective length	No. 1	2.6840 x 1.063	2.2983 x .702
		No. 2	2.7150 x .907	2.2983 x .702
		No. 3	2.7460 x .968	2.2983 x .702
		No. 4	2.7770 x 1.189	2.2983 x .702
		No. 5	---	2.2983 x 1.160
		No. 6	---	
		No. 7	---	
	Direction offset from cyl. bore		None	
Connecting rod crankpin journal diameter			2.3115	1.9995

ENGINE—CAMSHAFT

Material			Cast Alloy Iron	
Bearings	Material		Steel Backed Babbitt	
	Number		4	5
Type of drive	Gear or chain		Gear	Chain & Sprocket
	Crankshaft gear or sprocket material		Steel	
	Camshaft gear or sprocket material		Aluminum Alloy	Cast Alloy Iron
	Timing chain	Make	None	Link Belt
		No. of links	---	46
		Width	---	.875
		Pitch	---	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)		No	
Special provision for valve rotation (intake, exhaust)		None	
Rocker ratio		1.477:1	1.455:1
Operating tappet clearance (indicate hot or cold)	Intake	.006 Hot	.008 Hot
	Exhaust	.013 Hot	.018 Hot
Tappet clearance for timing	Intake	---	
	Exhaust	Zero	
Timing marks on fly-wheel, damper, other		Flywheel	Damper

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MODEL CORVETTE			Six Cylinder	Eight Cylinder
ENGINE—VALVE SYSTEM (cont.)				
Timing	Intake	Opens (°BTC)	19° 30'	21° 30'
		Closes (°ABC)	44° 30'	63° 30'
	Exhaust	Opens (°BBC)	59°	62° 30'
		Closes (°ATC)	5°	23° 30'
Intake	Material		Silicon Chromium or Nickel Chromium Steel	
	Overall length		6.376-6.396	4.902-4.922
	Actual overall head dia.		1.875	1.720
	Angle of seat		30° Valve Face - 31° in Head	45° Valve Face - 46° in Head
	Seat insert material		None	
	Stem diameter		.3410-.3417	.3415-.3422
	Stem to guide clearance		.0010-.0027	
	Lift		.4051	.4043
	Outer spring press. and length	Valve closed (lb. @ in.)	66-72 @ 1.858	65-72 @ 1.696
		Valve open (lb. @ in.)	150-160 @ 1.462	151-161 @ 1.306
	Inner spring press. and length	Valve closed (lb. @ in.)	27-31 @ 1.788	---
		Valve open (lb. @ in.)	55-61 @ 1.392	---
Exhaust	Material		Silchrome XCR Steel	~~Silchrome XCR Steel-Aluminum Dipped Seats~~
	Overall length		4.913-4.933	
	Actual overall head dia.		1.500	
	Angle of seat		45° Valve Face - 46° in Head	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	.0015-.0032
	Lift		.4143	.4136
	Outer spring press. and length	Valve closed (lb. @ in.)	66-72 @ 1.858	65-72 @ 1.696
		Valve open (lb. @ in.)	150-160 @ 1.462	151-161 @ 1.306
	Inner spring press. and length	Valve closed (lb. @ in.)	27-31 @ 1.788	---
		Valve open (lb. @ in.)	55-61 @ 1.392	---

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Sprayed from Connecting Rod Journal Boss	
	Camshaft bearings	Pressure	
	Tappets	Metered Pressure	
	Timing gear or chain	Nozzle	Pressure
	Cylinder walls	Pressure Jet	

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MODEL CORVETTE	Six Cylinder	Eight Cylinder

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. @ rpm)	30 PSI @ 1170-1200 RPM	
Oil pressure gage type (electric or mechanical)	Electric	
Type oil intake (floating, stationary)	Floating	
Oil filter type (full flow, partial flow)	None	
Capacity of crankcase, less filter—refill (qt.)	5	4
Oil grade recommended (SAE viscosity and temperature range)	Not Lower than 32° F As Low as 10° F As Low as Minus 10° F Below Minus 10° F	SAE 20W or SAE 20 SAE 20W SAE 10W SAE 5W
Oil type recommended	Heavy Duty	

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head		See Fuel Octane Information on Page 2	
	Optional head		None	
Fuel Tank	Capacity (gals.)		17.25	
	Filler Location		Rear of Driver's Door on Body L.H. Side	
Fuel Filter	Type		None	
	Location		---	
Fuel pump	Type (elec. or mech.)		Mechanical	
	Location		R.H. Side Near Front of Block	
	Pressure range		3 1/2-4 1/2	4-5 1/4
	Vacuum booster (std., optl., none)		None	
Carburetor	Make		Carter	
	Model number		3706989	WCFB 2218S
	Number used		3	1
	Type	Downdraft, side inlet, other	Side Draft	Downdraft
		Single or dual	Single	Dual
	Intake manifold heat control (manual, auto., none)		None	Automatic
	Automatic choke type (integral, other)		Manual	Integral
	Air cleaner type	Standard	Air Inlet Extension & Screen	Oil Wetted
		Optional	None	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Dual	
Muffler type (rev. flow, str. thru, sep.resonator)		Reverse Flow	Straight Through
Exhaust pipe dia.	Branch	---	---
	Main	1.75" O.D.	2" O.D.
Tail pipe diameter		1.69" O.D. (a)	1.81 O.D. (a)

(a) Stainless steel tail pipe extension added to end of tail pipe.

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MODEL CORVETTE

ENGINE—COOLING SYSTEM

			Six Cylinder	Eight Cylinder
Type (pressure system, atmospheric, other)			Pressure	
Radiator cap relief valve press.			(a)	6 1/4-7 1/2 PSI
Circulation thermostat	Type (choke, bypass)		Choke	
	Starts to open at			
Water pump	Type (centrifugal, other)		Centrifugal	
	Number of pumps		1	
	Drive (V-belt, other)		V-Belt	
	Bearing type		Permanently Lubricated, Double Row Ball Bearing	
By-pass recirculation type (internal, external)			Internal	
Radiator core type (cellular, tube and fin)			Cellular	
Cooling system capacity	With heater (qt.)		18.25	17
	Without heater (qt.)		17.75	16
Water jackets full length of cylinder (yes, no)			Full Stroke Length	
Water all around cylinder (yes, no)			Yes	
Radiator hose	Lower	Number and type (molded, straight)	2-Molded	1-Molded
		Inside diameter and length	1-1/2 x 6-3/4	1-3/4 x 15
	Upper	Number and type (molded, straight)	2-1-Molded 1-Straight	1-Molded
		Inside diameter and length	Molded-1-1/4 x 12-1/2 Straight-1-1/4 x 10-1/2	1-1/2 x 16.50
	By-pass	Number and type (molded, straight)	None	
		Inside diameter and length	---	
Drive belts	Fan	Number used	1	
		Angle of V	37o-41o	
		Outside length	40"	54-3/4"
		Width	3/8	
	Generator	Angle of V	Same as Fan Belt	
		Outside length	---	
		Width	---	
Fan	Number of blades and spacing		4 Staggered	
	Diameter		18	17
	Ratio—fan to crankshaft revolutions		.904:1	.949:1
	Bearing type		Water Pump Bearing	

(a) Auxiliary Tank Relief Valve Pressure 3 1/2-4 1/2 Lbs. PSI

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MODEL CORVETTE			Six Cylinder	Eight Cylinder
ELECTRICAL—SUPPLY SYSTEM				
Battery			Delco 15AA6-W	Delco 25M50-W
			6 Volt-15 Plate	12 Volt-9 Plate
			TM, 100 AMP Hrs. @ 20 Hr. Rate	None, 50 AMP Hrs. @20 Hr. Rate
	Location		Under Hood, Right Side	
	Terminal grounded		Negative	
Generator	Make		Delco-Remy	
	Model		1102793	1102025
	Type		2 Brush, Shunt Wound	
	Ratio—Gen. to Cr/s rev.		2.05:1	2.00:1
Regulator	Make		Delco-Remy	
	Model		1118827	1118826
	Type		Current and Voltage Control	
	Cutout relay	Closing voltage @ generator rpm	6.4 @ 1200	12.8 @ 1250
		Reverse current to open	---	
	Regulated	Voltage	7.4	14.5
		Current	45	30
	Min. Gen. rpm required		(For Max. Output) 2250	(For Max. Output) 1930
	Voltage test conditions	Temperature	Operating (Run Gen. 15 Min. @ 8-10 Amps. Before Testing)	
		Load	8-10 Amps.	10 Amps. Max.
		Other	---	

ELECTRICAL—STARTING SYSTEM				
Starting motor	Make		Delco-Remy	
	Model		1108035	1107627
	Rotation (drive end view)		Clockwise	
	Engine cranking speed		N.A.	
	Test conditions		Engine at Operating Temperature	
	Lock test	Amps	600	415
		Volts	3.0	5.8
		Torque (lb. ft.)	14	12.7
	No load test	Amps	70	65
		Volts	5.0	10.4
		RPM (min.)	5000	7900
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		Place Selector Lever in "PARK" or "NEUTRAL"	
			Pull Choke Knob out Part Way or all way Depending on Climate	Depress Accelerator Pedal t Floor to Set Auto. Choke
			Turn Ignition Key to Extreme Right Position to Start Engine	

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MODEL CORVETTE			Six Cylinder	Eight Cylinder
ELECTRICAL—STARTING SYSTEM (cont.)				
Motor drive	Engagement type		Positive Shift Solenoid	
	Pinion meshes (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	139	168
	Flywheel tooth face width		.500	.485
ELECTRICAL—IGNITION SYSTEM				
Coil	Make		Delco-Remy	
	Model		1115394	1115086
	Amps	Engine stopped	5.4	4
		Engine idling	3.0	1.75
Distributor	Make		Delco-Remy	
	Model		1112314	1110855
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	300	
		Centr. advance max. deg. @ rpm	13° @ 1750	16° @ 1800
		Vacuum advance start (in. Hg.)	5.0	6.0
		Vac. adv. (max. deg. @ in. Hg.)	15° @ 9 In. Hg.	13-3/4° @ 15 In. Hg.
	Breaker gap (in.)		.013-.018	.016-.021
	Cam angle (deg.)		26-33	
	Breaker arm tension (oz.)		19-23	
Timing	C/S deg. @ rpm		T.C. @ Idle	4° BTC @ Idle
	Mark location		Flywheel	Damper
	Cylinder numbering system (see page 2)		Front to Rear	Left Bank 1-3-5-7 Right Bank 2-4-6-8
	Firing order (see page 2)		1-5-3-6-2-4	1-8-4-3-6-5-7-2
Spark plug	Make and model		AC 43-5	AC 43-5R
	Thread (mm)		14MM	
	Tightening torque (lb. ft.)		20-25	
	Gap		.033-.038	
Cable	Conductor type		Linen Core Impregnated with an Electrical Conducting Matl.	
	Insulation type		Rubber with Neoprene Jacket	
	Spark plug protector		Neoprene Jacket	

ELECTRICAL—SUPPRESSION

Description	Non Metallic High Tension Cables

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MODEL CORVETTE	Six Cylinder	Eight Cylinder

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC See Note (a)
	Trip odometer (yes, no)	No
Charge indicator—type		Ammeter
Temperature indicator—type		Bourdon Tube
Oil pressure indicator—type		Bourdon Tube
Fuel indicator—type		Electric
Ignition switch	Identify positions in order and circuits controlled	Vertical - Off, Unlocked Counter Clockwise - Off, Locked 1st Position Clockwise from Vert. - Ignition and Acc. "On" 2nd Position Clockwise from Vert. - Ignition, Accessories and Starter "On" with Spring Return to 1st Position (Key Removable in all Positions)
	Provision for illumination	Yes, Bulb at Switch
	Location	On Instrument Panel - Right of Steering Column
	Theft protection type	None
Main lighting switch	Identify positions and lights controlled	Depressed - Off 1st. Notch - Instrument Panel Lights, Parking Lights 2nd. Notch - Instrument Panel Lights, Driving Lights Rotate - Clockwise to Dim and Turn off Instrument Panel Lights Counter Clockwise to Turn on and brighten Panel Lights
Other light switches	Locations and lamps controlled	Left Hand Toe Board - High and Low Beam Driving Lights Parking Brake Handle On - Light On, Released Light Out Parking Brake Alarm Light Switch on Parking Brake Lever Housing at Rear of Instrument Panel Front Compartment Courtesy Lamp Switch in Door Hinge Pillars Door Open - Light On, Door Closed - Light Out Directional Signal Switch in Hub of Steering Mast Jacket
Other switches	Locations and devices controlled	---
Windshield wiper	Make	Trico
	Type	Vacuum
	Vacuum booster provision	Standard
	Washer provision	Dealer Installed Accessory
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	High 17-19-Low 19-21 / High 9, Low 10

(a) AC Tachometer with Totalizer

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MODEL CORVETTE	Six Cylinder	Eight Cylinder

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-4030.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamp		2-2400CC	2-4400
Headlamp beam indicator		1-51	1-53
Parking light		3CP Filament of 1154 Bulb	4CP Filament of 1034 Bulb
Tail light		3CP Filament of 1154 Bulb	4CP Filament of 1034 Bulb
Stop light		21CP Filament of 1154 Bulb	32CP Filament of 1034 Bulb
Direction indicator	Front	21CP Filament of Parking Lamp	32CP Filament of Parking Lamp
	Rear	21CP Filament of Tail Lamp	32CP Filament of Tail Lamp
	Tell-Tale	2-51	2-53
License plate light		2-63	2-67
Instrument light		4-55	4-57
Ignition lock light		1-51	1-53
Map light		N.A.	N.A.
Dome light		N.A.	N.A.
Clock light		1-55	1-57
Radio dial light		1-44	1-57
Glove compartment light		N.A.	N.A.
Courtesy light		2-82 *	2-89 *
Trunk compartment light		N.A.	N.A.
Other			
Cigarette Lighter		1-51	1-53
Parking Brake Alarm		1-82 *	1-90 *
Tachometer		1-55	1-57

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 light: SFE-10 (a), Direction indicator: same as (a).

Headlamp	30CB (a)	13CB (a)
Headlamp beam indicator	Same as(a)	Same as (a)
Parking light	Same as(a)	Same as (a)
Tail light	Same as(a)	Same as (a)
Stop light	Same as(a)	Same as (a)
Direction indicator	SFE 14	SFE 9
License plate light	Same as(a)	Same as (a)
Instrument light	Same as(a)	Same as (a)
Ignition light	Same as(a)	Same as (a)
Map light	None	None
Dome light	None	None
Clock	Same as(a)	Same as (a)
Clock light	Same as(a)	Same as (a)
Radio	SFE 14	SFE 9
Glove compartment light	None	None
Courtesy light	Same as(a) *	Same as (a) *
Trunk compartment light	None	None
Other		
Parking Brake Alarm	SFE 14 *	SFE 9 *
Heater (Recirculating)	SFE 14	SFE 9

* Accessory Only

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MODEL CORVETTE

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			
Type (dry or wet plate)			
In combination with fluid coupling (yes, no)			
Semi-centrifugal (yes, no)			
Type pressure plate springs			
Total plate pressure (lb.)			
No. of clutch driven discs			
Clutch facing	Material		
	Inside diameter		
	Outside diameter		
	Total eff. area (sq. in.)		
	Thickness		
	Number required		
	Engagement cushioning method		
	Release bearing	Type	
		Method of lubrication	
	Torsional damping	Method (springs, other)	
		Frict. mat.	

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	N.A.
Conventional with overdrive (std. or opt.)	N.A.
Automatic (std. or opt.)	Standard

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		
Transmission ratios	In first	
	In second	
	In third	
	In fourth	
	In reverse	
Constant mesh gears in 2nd (yes, no)		
Spur gear used in (indicate speeds)		
Helical gears used in (indicate speeds)		
Synchronous meshing in 2nd and 3rd gears (yes, no)		

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MODEL CORVETTE

DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

Lubricant	Capacity (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

DRIVE UNITS—CONVENTIONAL TRANSMISSION WITH OVERDRIVE

For transmission data see conventional transmission section

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

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide
Type (fluid coupling with gears, torque convertor with gears, other)	Torque Converter With Planetary Gears
Manual selector positions, left to right (show symbols and define, e.g., N- Neutral)	P-Park N-Neutral D-Drive L-Low R-Reverse
List gear ratios in each drive position (range)	Drive 1.82-1 Low 1.82 Rev. 1.82
Shifting within drive position range by accelerator control and speed limiting governor (yes, no)	Yes
By governor—forced shift (yes, no)	Yes
Downshift of gears in high range possible up to (mph)	50

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DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)

Torque convertor	Number of elements		3
	Max. ratio at stall at engine rpm		2.1:1
	Mechanical lockup	Provided (yes, no)	No
		Speed range	---
		Releases at (speed range, mph)	---
	Type of cooling (forced air, oil cooler and type, other)		None
	Anti-creep device (yes, no)		No
Lubricant	Capacity—refill (pt.)		11 Qts.-Refill 5 qts.
	Type recommended		Type A
	Grade	Summer	Same Grade For
		Winter	All Temperature
		Extreme cold	Ranges

DRIVE UNITS—PROPELLER SHAFT

Number used			1
Type (exposed, torque tube)			Exposed Hotchkiss
Outer diameter x length* x wall thickness	Conventional trans.		---
	Overdrive trans.		---
	Automatic trans.		2.50 x .065 (Effective Length Varies Due to U-Joint Slip on Spline)
Intermediate bearing	Type (plain, anti-friction)		None
	Lubri. (fitting, prepack)		None
Universal joints	Make		Own
	Number used		2
	Type (ball and trunnion, cross, other)		Yoke and Spider (Trunnion)
	Bearing	Type (plain, anti-friction)	Anti-Friction
		Lubric. (fitting, prepack)	Z-Fittings
Drive taken through (torque tube or arms, spring)			Rear Springs
Torque taken through (torque tube or arms, springs)			Rear Springs

*Centerline to centerline of joints or centerline of rear attachment point.

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DRIVE UNITS—REAR AXLE

Type (semi-floating, other)			Semi-Floating
Gear type (hypoid, other)			Hypoid
Gear ratio and No. of teeth	Conventional trans.		---
	Overdrive trans.		---
	Automatic trans.		3.55:1 (11-39)
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			None
Lubricant	Capacity (pt.)		4
	Type recommended		A-9 Hypoid Lubricant
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 80

DRIVE UNITS—WHEELS

Type (disc, other)		Short Spoke Disc
Rim (size and flange type)		15 x 5K
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	4.75
	Number and size	5. 7/16 x 20

DRIVE UNITS—TIRES

Size and ply rating	Standard	6.70-15-4 Ply Tubeless
	Optional	6.70-15-4 Ply White & Blackwall
Rev/mile at 30 mph		754
Inflation press. (cold)	Front	24 Lbs.
	Rear	24 Lbs.

BRAKES—SERVICE

Type			Servo-4 Wheel Hydraulic
Booster type			None
Effective area (sq. in.)			158
Percent brake effectiveness—rear			44 %
Drum	Diameter	Front	11
		Rear	11
	Type and material		Composite, Rim-Cast Alloy Iron, Web-Pressed Steel

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BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			Bonded
	Primary	Material		Full Molded Asbestos Composition
		Size (length x width x thickness)	Front wheel	9.3125 x 2.0 x .202-.222
			Rear wheel	9.3125 x 1.75 x .202-.222
		Segments per shoe		1
	Secondary	Material		Full Molded Asbestos Composition
		Size (length width x thickness)	Front wheel	11.6875 x 2.0 x .202-.222
			Rear wheel	11.6875 x 1.75 x .202-.222
		Segments per shoe		1
Wheel cylinder bore	Front			1.125
	Rear			1.0
Master cylinder bore				1.0
Available pedal travel				4-1/2
Line pressure at 100 lb. pedal load				700 (Approx.)
Shoe clearance adjustment				To Light Drag and Back Off 7 Notches

BRAKES—PARKING

Type of control		"T" Handle Pull Rod
Location of control		L.H. of Steering Column, Below 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)	---

FRAME

Type and description	Full Length, Welded, Box Section Side and Rear Cross-members. "I" Beam Type Member, Bracing From "X" Member To Frame Front Sidemember. Rear Shock Absorber Cross-member of "U" Type. "I" Beam Type "X" Member.

FRONT SUSPENSION

Type and description	Unitized, Independent, Short & Long Arm

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FRONT SUSPENSION (cont.)

	Type	Coil
	Material	Chrome Alloy Steel
Spring	Size (length x width x No. leaves or coil I.D.)	13.45 Free Length X 3.752 Total Number of Coils 9-3/4
	Spring rate (lb. per in.)	300
	Rate at wheel (lb. per in.)	110
	Normal load (lb. @ rated length)	1145 @ 9.62
Shock absorbers	Manufacturer	Delco
	Type (direct or lever)	Direct, Double Acting, Hydraulic
	Piston diameter	1
Stabilizer	Type (link, linkless, frameless)	Link
	Material	Heat Treated Hr Carbon Steel

STEERING

Type used (Standard or optional)		Mechanical		Standard
		Power		N.A.
Wheel diameter				17.25
Turning diameter	Outside front	Wall to wall (r. & l.)		38.58-Right-38.99-Left
		Curb to curb (r. & l.)		36.55-Right-36.93-Left
	Inside rear	Wall to wall (r. & l.)		N.A.
		Curb to curb (r. & l.)		N.A.
Inside wheel angle with outside wheel at 20°				17°
Mechanical	Gear	Type		Semi-Reversible, Hour Glass Worm And Ball Bearing Roller Sector
		Make		Saginaw
		Ratios	Gear	16.0:1
			Overall	16.0:1
	No. wheel turns			3.9
Power	Type			---
	Make			---
	Trade name			---
	Gear	Type		---
		Ratios	Gear	---
			Overall	---
	Pump driven by			---
	Overall torque ratio			---
	Number wheel turns			---
Linkage	Type			Center Point
	Location (front or rear of wheels)			Rear of Wheels
	Drag link (trans. or long)			Longitudinal
	Tie rods (one or two)			2

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STEERING (cont.)

Kingpin	Inclination at camber (deg.)		3-1/2-4-1/2
	Diameter		.8660-.8665
	Bearings (type)	Upper	Bushing
		Lower	Bushing
		Thrust	Single Row Ball
Wheel alignment (range and preferred)	Caster (deg.)		0-1
	Camber (deg.)		0-1
	Toe-in (outside tread-inches)		0-1/8"
Steering knuckle type			Reverse Elliott
Wheel spindle	Diameter	Inner bearing	1.2810-1.2815
		Outer bearing	.7498-.7503
	Thread size		3/4-20
	Bearing type		Ball

REAR SUSPENSION

Type				Longitudinal Springs
Drive and torq. taken through (see page 14)				Rear Springs
Spring	Type			Semi-Elliptic
	Material			Chrome Alloy Steel
	Size (length x width x No. leaves or coil I.D.)			51 x 2 x 4
	Spring rate (lb. per in.)			115
	Rate at wheel (lb. per in.)			---
	Normal load (lb. at rated length)			725
	Mounting insulation type			Rubber Bushed
	If leaf	No. of leaves		4
		Covers (yes, no)		No
		Lubricated (yes, no)		No
		Inserts	Type and size	3-Liners-19.76x1.88x.100-31.76x1.88x.100-46.21x1.88x.100
			Material	Wax Impregnated Fiber Board
		Shackle (comp. or tens.)		In Tension From Rear Hanger
Shock absorbers	Manufacturer			Delco
	Type (direct or lever)			Direct, Double Acting, Hydraulic
	Piston diameter			1
Stabilizer	Type (link, linkless, frameless)			None
	Material			---
Track bar type				None

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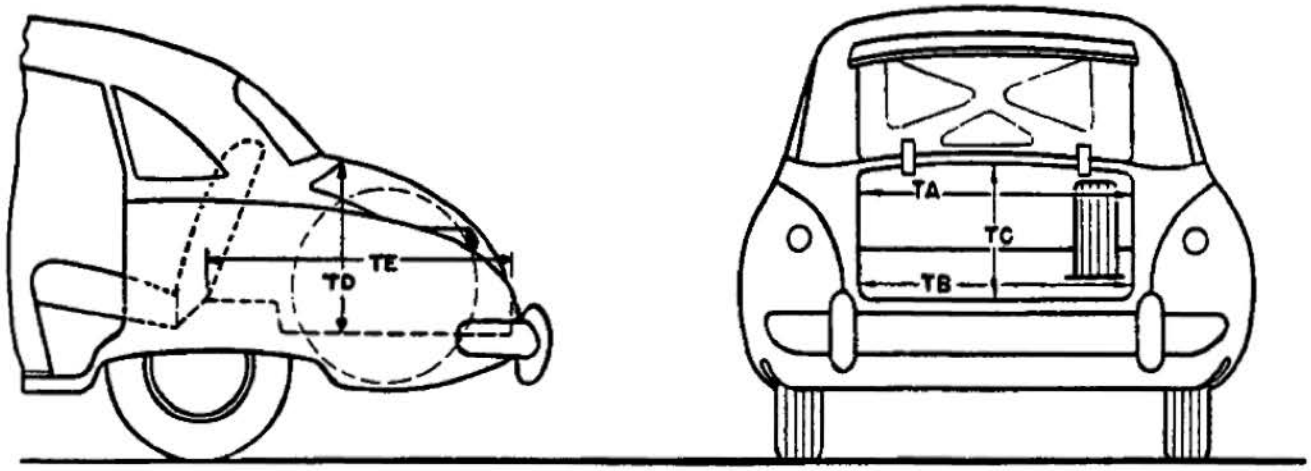
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been proposed for adoption by the SAE. These are indicated by a number following the type of dimension, e.g., L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. The dimensions are developed from the following basic points:

1. Front and rear seat "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front seat is in the rear position.
3. Loaded position—5 passengers, front 300 lb., rear 450 lb., includes spare wheel, tire and tools, and full complement of gas, oil, water, etc. and tires to recommended pressure, etc.
4. C. L. (centerline).
5. D. L. O. (daylight opening, exposed glass dimension).
6. Ramp breakover angle (page 20-A) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL CORVETTE	

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	45.96
TB—Width across the bottom	35.00 One Inch Above Floor Line
TC—Diagonal dimension at CL from top of opening to bottom	*
TD—Vertical height of opening (floor to top, inside edge of opening)	14.40
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	31.00
Position of spare tire stowage	Horizontal In Floor Tire Well Under Mat
Method of holding lid open	Counterbalance Springs

* - Not A Standard Dimension

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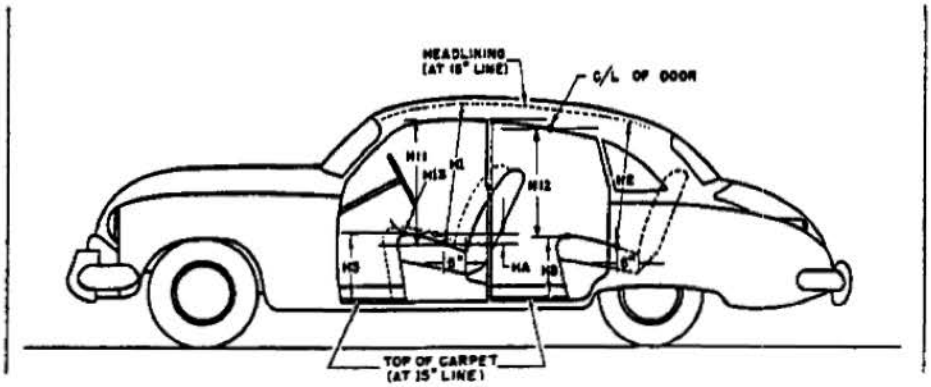
MODEL Corvette

BODY—HEIGHT DIMENSIONS—INTERIOR



H1. Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	35.40
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	---
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	8.00
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	---
H11. Entrance—front—cushion "A" point to bottom windcord vertical.	30.00
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.	---
H13. Steering wheel clearance to seat cushion taken on arc.	5.00
HA. Front seat vertical rise at "A" pt. (inches.)	.22

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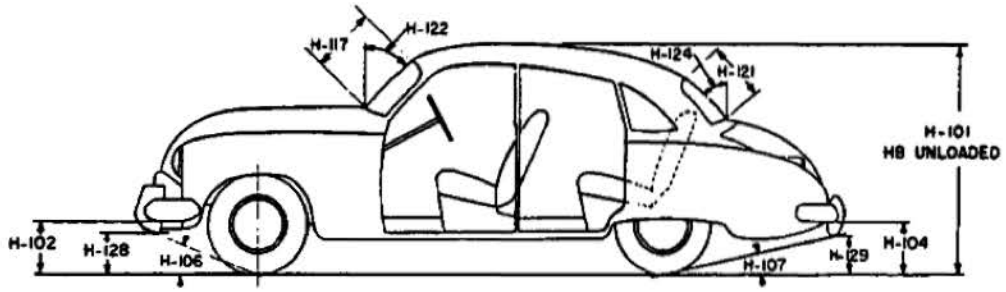
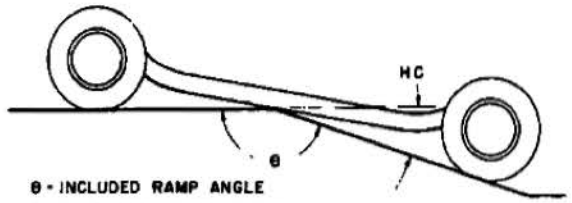
MODEL Corvette

BODY—HEIGHT DIMENSIONS—EXTERIOR





θ - INCLUDED RAMP ANGLE
HC - RAMP BREAKOVER ANGLE
(SUPPLEMENT OF INCLUDED RAMP ANGLE)

H101. Overall height. Loaded-Top Up	51.25
HB. Overall height—unloaded. -Top Up	52.16
H102. Front bumper bottom to ground at normal section.	9.33
H104. Rear bumper bottom to ground at normal section.	15.00
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	28°32'
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	17°40'
HC. Ramp breakover angle.*	14°54'
H117. Windshield DLO-slant height.	16.92
H121. Backlight DLO*—Max., slant height.	10.00
H122. Windshield slope angle to vertical line on car axis.	53°
H124. Backlight slope angle to vertical line on car axis.	40°
H128. Ground to bottom of front bumper guard.	—
H129. Ground to bottom of rear bumper guard.	—
HD. Min. road clearance (location and dimension).	6" Minimum Below Door Opening
HE. Min. road clearance at rear axle.	8.00

*See Notes, page 19.

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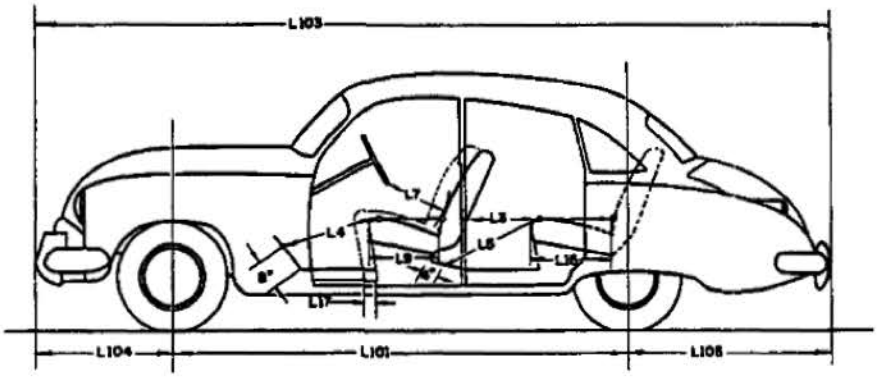
MODEL CORVETTE

BODY—LENGTH DIMENSIONS



Interior	L3. Rear compartment back of front seat back to rear seat back.	---
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	39.00
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	---
	L7. Steering wheel clearance to seat back taken on arc.	13.70
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.24
	L16. Depth of rear seat (front edge to seat back).	---
	L17. Total adjustment of front seat at floor.	4.4
Exterior	L101. Wheel base.	102
	L103. Overall length (bumper to bumper inc. guards).	167
	L104. Overhang—front including bumper guards.	26.10
	L105. Overhang—rear including bumper guards.	38.90

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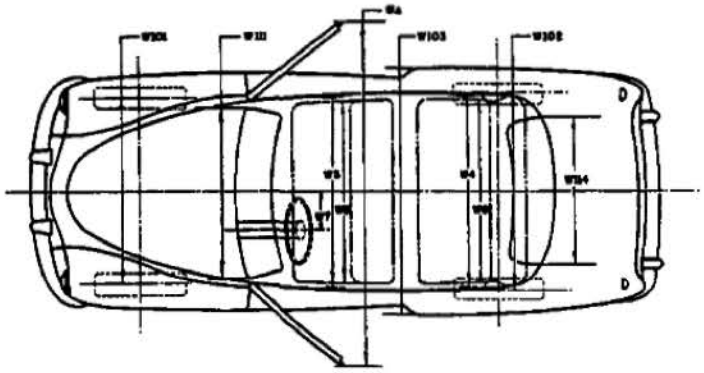
MODEL CORVETTE

BODY—WIDTH DIMENSIONS



Interior	**W3.** Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	51.25
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	---
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	57.20
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	---
	W7. Steering wheel center to center of body.	13.85
Exterior	**W101.** Front tread at ground.	57.00
	W102. Rear tread at ground.	59.00
	W103. Max. overall width of car including bumpers or mouldings.	72.24
	WA. Max. overall width of car with doors open.	10' 5"
	W111. Windshield DLO, max. width.	52.58
	W114. Back window DLO, max. width.	30.88

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MODEL CORVETTE

BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front	Front
	Rear	---
Type of finish (lacquer, enamel)		Lacquer
Hood opening (front, side; semi-full, full, half)		Front-Reverse Alligator
Hood counterbalanced (yes, no)		No
Hood release control (internal, external)		Internal
Vent window control method (crank, friction, pivot).		Pivot
Windshield (one piece, two piece; curved, flat)		One-Piece Curved
Rear window type (one piece, two piece, three piece; curved, flat)		Plastic-One Piece, Flat
Windshield glass area		892 Sq. In.
Backlight glass area		300 Sq. In.
Total glass area		1687 Sq. In.

BODY—TYPES AND STYLE NAMES

Body type, number of passengers, and style names (use letter code shown below followed by passenger capacity and style name e.g., N-6 Ranchwagon)	L-Convertible-2 Door-2 Passenger

Body type code

A—Coupe—2 door flatback
B—Coupe—2 door notchback
C—Sedan—2 door flatback
D—Sedan—2 door notchback
E—Sedan—4 door flatback (4 windows)
F—Sedan—4 door flatback (6 windows)
G—Sedan—4 door notchback (4 windows)
H—Sedan—4 door notchback (6 windows)
J—Hardtop—2 door
K—Hardtop—4 door
L—Convertible—2 door
M—Convertible—4 door
N—Station wagon—2 door
P—Station wagon—4 door
Q—Combined passenger and utility—2 door
R—Combined passenger and utility—4 door
S—Sedan delivery
T—Limousine

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