AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

NAME OF CAR: CHEVROLET		MODEL NAME	SYMBOL
COMPANY: CHEVROLET DIVISION GENERAL MOTORS CORP., GENERAL MOTORS BLDG., DETROIT 2, MICHIGAN		CORVETTE	2934
MODEL YEAR: 1953	DATE November 15,1953		

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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			CORVETTE
Wheelbase			102"
Tread	Front		57"
	Rear		59.00"
Maximum Overall Dimensions	Length (L-103)		167.00"
	Width (W-103)		72.2h
	Height (H-101)		48.50 Over W/S (Top Down)
Steering ratio—overall			16:1
Turning diameter (curb to curb)			38'
Shipping weight*			2705 Without Radio & Heater
Transmission— (Specify standard, optional, not avail.)		Conventional	N.A.
		Overdrive	N.A.
		Automatic	Powerglide
Axle ratio	Conventional		—
	Overdrive		—
	Automatic		3.55:1
Tire size			6.70 x 15-4 Ply Rating
Engine	Type		In Line
	No. of cylinders		6
	Valve arrangement		In Head
	Bore and stroke		3-9/16 x 3-15/16
	Piston displacement, cu. in.		235.5
	Standard compression ratio		8.0:1
	Maximum bhp at engine rpm		150 @ 4200
	Maximum torque at rpm		223 @ 2400

*Standard car weight, not including gas and water.

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MODEL			CORVETTE
ENGINE—GENERAL			
Type	V, In-line, other		In Line
	Angle of V		--
No. of cylinders			6
Valve arrangement			In Head
Bore and stroke			3-9/16 x 3-15/16
Piston displacement, cu. in.			235.5
Numbering system (front to rear)	L. Bank		--
	R. Bank		--
Firing order			1-5-3-6-2-4
Compression ratio	Standard Head		8.0:1
	Optional Head		--
Cylinders	Head Material	Standard	Cast Alloy Iron
		Optional	--
	Sleeve—Wet, dry, other, none		None
Number of mounting points		Front	2
		Rear	1
Taxable horsepower	(Dia.² x No. Cyl.) / 2.5		30.4
Advertised ex. brake horsepower at engine RPM*	Standard head		150 @ 4200
	Optional head		--
	With fuel (Octane and method)	Standard Head	89-93
		Optional Head	--
Max. torque (lb. ft. @ RPM)	Standard head		223 @ 2400
	Optional head		--
Recommended idle speed (neutral)			475 In Drive

ENGINE—PISTONS

Material			Cast Alloy Aluminum with steel struts
Description and finish			Flat head, tin plated, oval, with thermo controlled expansion
Weight (piston only) oz.			18.88
Clearance	Top land		.0115 - .0155
	Skirt	Top	.0006 - .001
		Bottom	--
Ring groove depth	No. 1 ring		.184 - .192
	No. 2 ring		.184 - .192
	No. 3 ring		.184 - .192
	No. 4 ring		--

*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories: Dynamometer exhaust system, no engine fan, generator (not charging).

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ENGINE—RINGS

Type (top to bottom)	No. 1 oil or comp.	Deep Section Twist	
	No. 2 oil or comp.	Deep Section Twist	
	No. 3 oil or comp.	Wide Slot	
	No. 4 oil or comp.	None	
No. rings above piston pin		3	
Compression	Material	Cast Iron	
	Coating	Top Ring Chrome Plate	Bottom Ring Wear Resistant
	Width	.0930 - .0935	.0930 - .0935
	Gap	.010 - .020	.007 - .017
	Maximum wall thickness	.178	.178
Oil	Material	Cast Iron	
	Coating	None	
	Width	.1860-.1865	
	Gap	.005-.015	
	Maximum wall thickness	.141	
Location of expanders		Oil Ring	

ENGINE—PISTON PINS

Material			Chromium steel (file hard case)
Length			3.198-3.228
Diameter			.8660-.8665
Type	Locked in rod, in piston, floating, etc.		Locked in rod
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston		.00015-.00025
	In rod		Locked in rod
Direction offset in piston			Right

ENGINE—CONNECTING RODS

Material		Drop forged steel
Weight (oz.)		30.88
Length (center to center)		6-13/16
Bearing	Material	Thin Wall, High Lead Babbitt
	Type (cast-in or removable)	Removable
	Effective length	.998
	Clearance	.0007-.0028
	End play	.005-.012

ENGINE—CRANKSHAFT

Material	Drop forged steel
Weight (lb.)	78-1/2

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ENGINE—CRANKSHAFT (cont.)

Vibration damper type			Oscillating (rubber floating)
End thrust taken by bearing (No.)			3
Crankshaft end play			.0035-.0095
Main bearing	Material		Steel backed, thin wall battitt
	Type (cast-in or removable)		Removable
	Clearance		.0002-.0028
	Journal dia. and bearing effective length	No. 1	2.6835-2.6845 x 1-23/64
		No. 2	2.7145-2.7155 x 1.245-1.255
		No. 3	2.7455-2.7465 x 1.247-1.251
		No. 4	2.7765-2.7775 x 2 (a)
		No. 5	--
		No. 6	--
		No. 7	--
	Direction offset from cyl. bore		None
Connecting rod crankpin journal diameter			2.311-2.312

ENGINE—CAMSHAFT

Material			Cast Iron
Bearings	Material		Steel backed babbitt
	Number		4
Type of drive	Gear or chain		Gear
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Aluminum
	Timing chain	Make	None
		No. of links	--
		Width	--
		Pitch	--

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)		No
Special provision for valve rotation (intake, exhaust)		No
Rocker ratio		1.477:1
Operating tappet clearance (indicate hot or cold)	Intake	.010" Hot
	Exhaust	.020" Hot
Tappet clearance for timing	Intake	--
	Exhaust	Zero lash #1
Timing marks on fly-wheel, damper, other		Flywheel

(a) - 1-3/4 not including undercut.

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ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	19° 30'
		Closes (°ABC)	44° 30'
	Exhaust	Opens (°BBC)	59°
		Closes (°ATC)	5°
Intake	Material		Silchrome Steel
	Overall length		6.364-6.394
	Actual overall head dia.		1.875
	Angle of seat		30° Valve face, 31° cylinder head
	Seat insert material		None
	Stem diameter		.3410-.3417
	Stem to guide clearance		.001-.0027
	Lift		.4051
	Outer spring press. and length	Valve closed (lb. @ in.)	52-58 at 1.88
		Valve open (lb. @ in.)	145-155 at 1.49
	Inner spring press. and length	Valve closed (lb. @ in.)	23-27 at 1.81
		Valve open (lb. @ in.)	54-60 at 1.42
Exhaust	Material		Silchrome XCR Steel
	Overall length		4.613-4.643
	Actual overall head dia.		1.495-1.505
	Angle of seat		45° Valve face
	Seat insert material		None
	Stem diameter		.3390-.3397
	Stem to guide clearance		.003-.0047
	Lift		.4143
	Outer spring press. and length	Valve closed (lb. @ in.)	52-58 at 1.88
		Valve open (lb. @ in.)	145-155 at 1.49
	Inner spring press. and length	Valve closed (lb. @ in.)	23-27 at 1.81
		Valve open (lb. @ in.)	54-60 at 1.42

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Metered Pressure
	Timing gear or chain	Pressure Spray
	Cylinder walls	Pressure Jet

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MODEL — CORVETTE

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ mph)	45 psi
Oil pressure gage type (electric or mechanical)	Mechanical
Type oil intake (floating, stationary)	Stationary, non-corrosive steel wire mesh screen
Oil filter type (full flow, partial flow)	None
Capacity of crankcase, less filter—refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	Not lower than 32°F - 20W or SAE20 As low as 10°F - 20W As low as -10°F - 10W Below -10°F - 5W
Oil type recommended	Heavy Duty

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head		Premium
	Optional head		None
Fuel tank, capacity (gal.)			17.25
Fuel pump	Type (elec. or mech.)		Mechanical
	Location		Right hand side near front of block
	Pressure range		3-1/2-4-1/2
	Vacuum booster (std., opt., none)		Standard
Carburetor	Make		Carter
	Model number		3706969
	Number used		3
	Type	Downdraft, side inlet, other	Side draft
		Single or dual	Single
	Intake manifold heat control (manual, auto., none)		None
	Automatic choke type (integral, other)		Manual
	Air cleaner type	Standard	Air inlet extension and screen assy.
		Optional	None

ENGINE—EXHAUST SYSTEM

Muffler type (reverse flow, straight through)	Straight Through
Exhaust pipe diameter	1.745"
Tail pipe diameter	1.697" inside. See note (a)

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

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ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)			Pressure
Radiator cap relief valve press.			See Note (a)
Circulation thermostat	Type (choke, bypass)		Choke
	Starts to open at		151°
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
	Without heater (qt.)		17.75
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 with steel tube elbow between
		Inside diameter and length	Hose 1-1/2" x 6-1/2" - Tube 1.465" x 6.50"
	Upper	Number and type (molded, straight)	2 - 1-Molded 1-Straight
		Inside diameter and length	Molded 1-1/4" x 12" Straight 1-1/4" x 10.50"
	By-pass	Number and type (molded, straight)	None
		Inside diameter and length	--
Drive belts	Fan	Number used	1
		Angle of V	37° - 44° Wrap molded or cut molded
		Outside length	40"
		Width	3/8"
	Generator	Angle of V	Generator driven by fan belt
		Outside length	--
		Width	--
Fan	Number of blades and spacing		4 Staggered
	Diameter		18"
	Ratio—fan to crankshaft revolutions		.90:1
	Bearing type		On water pump

(a) - Auxiliary tank relief valve pressure 3-1/2 - 4-1/2 lbs.

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco 15AA6-W
	Voltage Rtg. & Plates/cell		6 Volt-15 Plate
	SAE Designation & Amp Hr. Rtg		TM, 100 Amp. Hrs. @ 20 Hr. Rate
	Location		Right side under hood
	Terminal grounded		Negative
Generator	Make		Delco-Remy
	Model		1102793
	Type		2 brush, shunt wound
	Ratio—Gen. to Cr/s rev.		2.05:1
Regulator	Make		Delco-Remy
	Model		1118725
	Type		Current and voltage control
	Cutout relay	Closing voltage @ generator rpm	6.4 at 1160
		Reverse current to open	—
	Regulated	Voltage	7.4
		Current	45
	Min. Gen. rpm required		(For max. output) 2250 cold, 2550 hot
	Voltage test conditions	Temperature	Operating
		Load	Run 15 minutes at 8-10 amps.
		Other	—

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco-Remy
	Model		1107109
	Rotation (drive end view)		Clockwise
	Engine cranking speed		125
	Test conditions		Engine at operating temperatures
	Lock test	Amps	525
		Volts	3.4
		Torque (lb. ft.)	11
	No load test	Amps	65
		Volts	5.0
		RPM (min.)	5000
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		Place selector lever in PARK or NEUTRAL. Pull choke knob out part way or all the way depending on climatic conditions. Turn ignition key to extreme right position to start engine.

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ELECTRICAL—STARTING SYSTEM (cont.)			
Motor drive	Engagement type		Over-running clutch
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	139
	Flywheel tooth face width		1/2
ELECTRICAL—IGNITION SYSTEM			
Coil	Make		Delco Remy
	Model		1115394
	Amps	Engine stopped	5.4
		Engine idling	3.0
Distributor	Make		Delco Remy
	Model		1112314
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	225-375
		Centr. advance max. deg. @ rpm	12°-14° @ 1750 RPM
		Vacuum advance start (in. Hg.)	4.0-6.0
		Vac. adv. (max. deg. @ in. Hg.)	13°-17° @ 10.0-7.5
	Breaker gap (in.)		.013-.018
	Cam angle (deg.)		40.5-47.5
	Breaker arm tension (oz.)		19-23
Timing	C/S deg. @ rpm		2° ATC initial advance
	Mark location		Flywheel
	Cylinder numbering system (see page 2)		Front to rear
	Firing order (see page 2)		1-5-3-6-2-4
Spark plug	Make and model		AC, 44-5 See (a)
	Thread (mm)		14
	Tightening torque (lb. ft.)		20-25
	Gap		.033-.036
Cable	Conductor type		Linen core impregnated with an electrical conducting matl.
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Neoprene compound
ELECTRICAL—SUPPRESSION			
Description			Metal shields for ignition system. Coaxial condenser for primary circuit. Coaxial condensers for generating circuit. Shielded wiring generator to voltage regulator. Non-metallic high tension cables. Shielded neutral safety switch at transmission.

(a) - AC-43-5COM (optional use for continuous high speed operation.)

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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 Accessories "ON" 2nd Position clockwise from vert. - Ignition, accessories & 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.
Other switches	Locations and devices controlled	Directional signal switch in hub of steering mast jacket.
Windshield wiper	Make	Trico
	Type	Vacuum
	Vacuum booster provision	Standard
	Washer provision	Standard
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	High 17-19, Low 19-21

(a) - AC tachometer with totalizer.

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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		Sealed beam unit GM Part No. 193195
Headlamp beam indicator		1-51
Parking light		3-cp filament of 1154 bulb
Tail light		3-cp filament of 1154 bulb
Stop light		21-cp filament of 1154 bulb
Direction indicator	Front	21-cp filament of parking lamp
	Rear	21-cp filament of tail lamp
	Tell-Tale	2-51
License plate light		2-63
Instrument light		4-55
Ignition lock light		1-51
Map light		N.A.
Dome light		N.A.
Clock light		1-55
Radio dial light		1-44
Glove compartment light		N.A.
Courtesy light		2-82
Trunk compartment light		N.A.
Other Cigarette lighter		1-51
Parking brake alarm light		1-82
Tachometer		1-55

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 one 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	30 CB (a)
Headlamp beam indicator	Same as (a)
Parking light	Same as (a)
Tail light	Same as (a)
Stop light	Same as (a)
Direction indicator	SFE 14
License plate light	Same as (a)
Instrument light	Same as (a)
Ignition light	Same as (a)
Map light	None
Dome light	None
Clock	Same as (a)
Clock light	Same as (a)
Radio	SFE 14*
Glove compartment light	None
Courtesy light	2-82
Trunk compartment light	None
Other Parking brake alarm light	SFE 14
Heater (recirculating)	SFE 14*

* - Accessory only

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DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			None
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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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 gears for automatic shift in Drive range, and Low and Reverse.
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)	3.82:1 to 1:1 - Drive 3.82:1 to 1.82:1 - Low 3.82:1 to 1.82:1 - Reverse
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)	Approximately 48

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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.)		8
	Type recommended		Type A automatic transmission fluid, bearing AQ-ATF number. Same grade for all temperature ranges.
	Grade	Summer	
		Winter	
		Extreme cold	

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)	2-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.		N.A.
	Overdrive trans.		N.A.
	Automatic trans.		3.55:1
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			None
Lubricant	Capacity (pt.)		3-1/2
	Type recommended		Passenger car Hypoid or Multi-Purpose
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

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 x 7/16 x 20

DRIVE UNITS—TIRES

Size and ply rating	Standard	6.70-15-4-White sidewall
	Optional	N.A.
Rev/mile at 30 mph		748
Inflation press. (cold)	Front	22# for normal driving - 28# for sustained high speed driving
	Rear	22# for normal driving - 28# for sustained high speed driving

BRAKES—SERVICE

Type			Servo - 4 Wheel Hydraulic
Booster type			None
Effective area (sq. in.)			158
Percent brake effectiveness—rear			47%
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		LH of steering column, below instrument panel
Operates on		Rear service brake shoes
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 side member. Rear shock absorber cross member of "U" type. "I" beam type "X" member.

FRONT SUSPENSION

Type and description	Unitized, independent, short and long arm

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MODEL CORVETTE

FRONT SUSPENSION (cont.)

Spring	Type	Coil
	Material	Chrome alloy steel
	Size (length x width x No. leaves or coil I.D.)	13.45 Free length x 4.4460 Max OD x 3.1620 I.D. Total No. 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	Wall to wall			38.58 Right - 36.99 Left
	Curb to curb			36.55 Right - 36.93 Left
Outside wheel angle with inside 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 (l. to r.) (l. to r.)			3.9
Power	Type			--
	Make			--
	Trade name			--
	Gear	Type		--
		Ratios	Gear	--
			Overall	--
	Pump driven by			--
	Overall torque ratio			--
	Number wheel turns (l. to r.)			--
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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MODEL			CORVETTE

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 AN
	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.)			115
	Normal load (lb. at rated length)			750
	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 - 46.26x1.88x.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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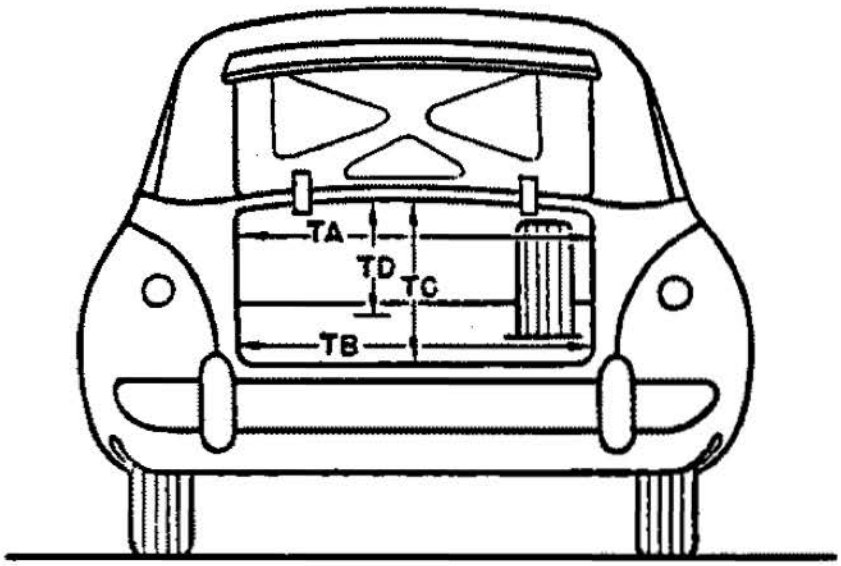
BODY—GENERAL DEFINITIONS

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)—is the supplement of 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)	14.4
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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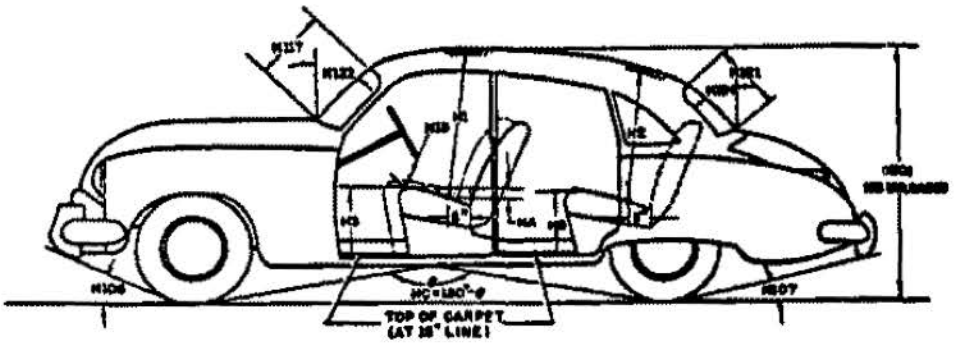
MODEL CORVETTE

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).	8.05-8.27
	H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	--
	H13. Steering wheel clearance to seat cushion taken on arc.	5.30
	H4. Front seat vertical rise at "A" pt. (inches.)	.22
Exterior	H101. Overall height. Loaded-Top Up	51.25
	H3. Overall height—unloaded. -Top Up	52.16
	H105. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	30°
	H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	19° 30'
	HC. Ramp breakover angle.*	165°
	H117. Windshield DLO-slant height.	16.92
	H121. Backlight DLO*—Max. slant height.	10
	H122. Windshield slope angle to vertical line on car axis.	53°
	H124. Backlight slope angle to vertical line on car axis.	40°
	HD. Min. road clearance (location and dimension).	6 Minimum below door opening
	HE. Min. road clearance at rear axle.	8

*See Notes, page 19.

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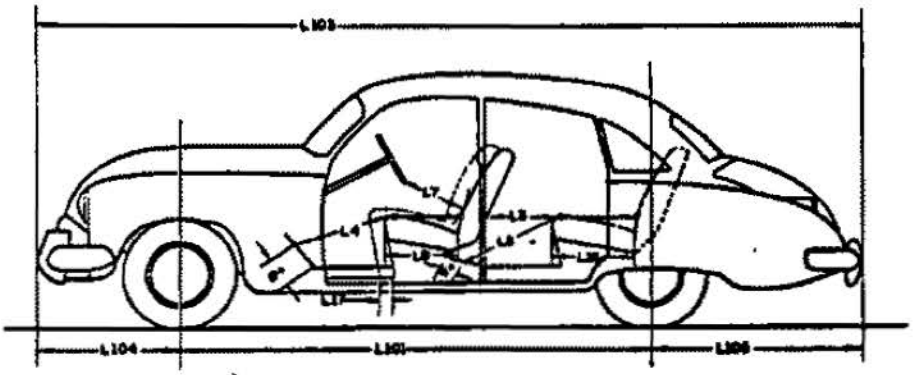
MODEL CORVETTE

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.	41.00
	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.	13.375
	L9. Front seat depth (front edge to vert. tan. to seat back on 15° line).	18.25
	L16. Depth of rear seat (front edge to seat back).	--
	L17. Total adjustment of front seat at floor.	4.4
Exterior	L101. Wheel base.	102.00
	L103. Overall length (bumper to bumper inc. guards).	167.00
	L104. Overhang—front including bumper guards.	26.10
	L105. Overhang—rear including bumper guards.	38.90

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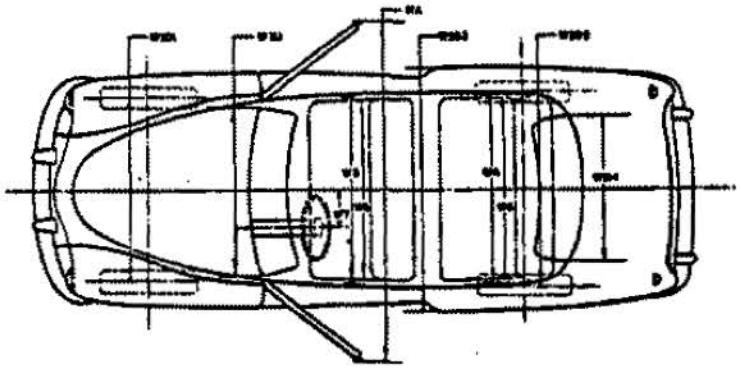
MODEL CORVETTE

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.	14
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.	51.88
	W114. Back window DLO, max. width.	30.88

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MODEL CORVETTE

BODY—TYPES

Body types and number of passengers. (Please use the letter code shown below followed by the number of passengers, e.g. A-6.)	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

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
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

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