

AUTOMOBILE MANUFACTURERS ASSOCIATION CONSOLIDATED SPECIFICATION QUESTIONNAIRE

Page 1
Issued 1-6-56
Revised 7-9-56

MAKE OF CAR: CHEVROLET	MODEL NAME	SYMBOL
COMPANY: Chevrolet Division General Motors Corp. General Motors Bldg. Detroit 2, Michigan	CORVETTE 2934	
MODEL YEAR: 1956	DATE: January 6, 1956	

Revised: 7-9-56

TABLE OF CONTENTS

General Specifications.....	1	Frame.....	16
Engine.....	2	Front Suspension.....	16
Electrical.....	8	Steering.....	17
Drive Units.....	12	Rear Suspension.....	18
Brakes.....	15	Body.....	19
Index.....	24		

- 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		V-8	
		CONVENTIONAL	POWERGLIDE
Wheelbase		102	
Tread	Front	57.00	
	Rear	59.00	
Maximum Overall Dimensions	Length (L-103)	168.01	
	Width (W-103)	70.46	
	Height (H-101)	51.09	
Steering ratio—overall		16:1	
Turning diameter (curb to curb)		Right 36.55	Left 36.93
Shipping weight*		2730	2845
Transmission— (Specify standard, optional, not avail.)	Conventional	STANDARD	--
	Overdrive	NA	
	Automatic	OPTIONAL	STANDARD
Axle ratio	Conventional	3.70:1 (c)	
	Overdrive	--	
	Automatic	--	3.55:1
Tire size		6.70-15-4 Ply Rating	
Engine	Type	VEE	
	No. of cylinders	8	
	Valve arrangement	IN HEAD	
	Bore and stroke	3-3/4 x 3	
	Piston displacement, cu. in.	265	
	Standard compression ratio	9.25:1	
	Maximum bhp at engine rpm	210 at 5200 RPM (a)	
	Maximum torque at rpm	270 at 3200 RPM (b)	

*Standard car weight, not including gas and water.

- (a) 225 @ 5200 RPM with two 4-barrel carburetors.
 (b) 270 @ 3600 RPM with two 4-barrel carburetors.
 (c) Ratio of 3.27:1 or 4.11:1 Optional

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL Corvette CONVENTIONAL V-8 POWERGLIDE

ENGINE—GENERAL

Type	V, In-line, other	VPE	
	Angle of V	90°	
No. of cylinders		8	
Valve arrangement		IN HEAD	
Bore and stroke		3-3/4 x 3	
Piston displacement, cu. in.		265	
Numbering 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	
Compression ratio	Standard Head	9.25:1	
	Optional Head	-----	
Cylinders	Head	Cast Alloy Iron	
	Material		
	Standard	Optional	
	Sleeve—Wet, dry, other, none	None	
Number of mounting points	Front	2	
	Rear	2	
Taxable horsepower	(Dia. ² x No. Cyl.) 2.5	45	
Advertised max. brake horsepower at engine RPM*	Standard head	210 at 5200 RPM (b)	
	Optional head	-----	
	With fuel (Octane and method)	Standard Head	90-95 (Research)
		Optional Head	-----
Max. torque (lb. ft. @ RPM)	Standard head	270 at 3200 RPM (c)	
	Optional head	-----	
Recommended idle speed (neutral)		1/25 in Neutral 1/25 in Drive	

ENGINE—PISTONS

Material	Cast Aluminum Alloy with Steel Struts	
Description and finish	Machined relief for valve head clearance	
Weight (piston only) oz.	18.77	
Clearance	Top land	.035 - .042
	Skirt	Top
		Bottom
Ring groove depth	No. 1 ring	.2118 - .2170
	No. 2 ring	.2118 - .2178
	No. 3 ring	.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 2.44 inches from top of Piston.
- (b) 225 HP @ 5200 RPM with two 4-barrel carburetors.
- (c) 270 @ 3600 with two 4-barrel carburetors.

AMA Consolidated Specification Questionnaire

MAKE OF CAR	CHEVROLET	MODEL YEAR	1956
MODEL	CORVETTE	V-8	
		CONVENTIONAL	POWERGLIDE

ENGINE—RINGS

Type (top to bottom)	No. 1 oil or comp.	Thick Wall - Inside Bevel - Taper Face - Chrome Plated
	No. 2 oil or comp.	Thick Wall - Inside Bevel or Counterbore - Taper Face
	No. 3 oil or comp.	Multi-Piece (2 Chrome Plated Rails with Spacer).
	No. 4 oil or comp.	None
No. rings above piston pin		3
Compression	Material	Cast Alloy Iron
	Coating	Top Ring - Chrome Plated Second Ring - Wear Resistant Coating*
	Width	.077 - .078
	Gap	Upper .008 - .016; Lower .009 - .018
	Maximum wall thickness	Upper .179; Lower .187
Oil	Material	Steel
	Coating	Chrome Plated O.D.
	Width	.181 - .188
	Gap	.015 - .055
	Maximum wall thickness	.168 Rails
Location of expanders		Oil Ring

ENGINE—PISTON PINS

Material		Chromium Steel (File Hard Case)	
Length		3.110 - 3.130	
Diameter		.9270 - .9273	
Type	Locked in rod, in piston, floating, etc.	Pressed in Rod	
	Bushing	In rod or piston	None
		Material	---
Clearance	In piston	.00015 - .00025	
	In rod	None	
Direction offset in piston		Major Side Thrust	

ENGINE—CONNECTING RODS

Material		Drop Forged Steel
Weight (oz.)		19.02
Length (center to center)		5.70
Bearing	Material	Aluminum steel-backed with thin babbitt overlay *
	Type (cast-in or removable)	Removable
	Effective length	.817
	Clearance	.0007 - .0028
	End play	.008 - .011 (2 Rods)

ENGINE—CRANKSHAFT

Material		Drop Forged Steel
Weight (lb.)		47.75

* Revised: 2-23-56

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE V-8
Conventional Powerglide

ENGINE—CRANKSHAFT (cont.)

Vibration damper type		Oscillating (Rubber Floating)	
End thrust taken by bearing (No.)		5	
Crankshaft end play		.002 - .006	
Main bearing	Material	Aluminum steel-backed with thin babbit overlay *	
	Type (cast-in or removable)	Removable	
	Clearance	.0008 - .0034	
	Journal dia. and bearing effective length	No. 1	2.2983 x .702
		No. 2	2.2983 x .702
		No. 3	2.2983 x .702
		No. 4	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		1.9995	

ENGINE—CAMSHAFT

Material		Cast Alloy Iron	
Bearings	Material	Steel Backed Babbit	
	Number	5	
Type of drive	Gear or chain		Chain & Sprocket
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Cast Alloy Iron
	Timing chain	Make	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		1.5:1
Operating tappet clearance (indicate hot or cold)	Intake	.008 Hot
	Exhaust	.018 Hot
Tappet clearance for timing	Intake	---
	Exhaust	Zero
Timing marks on fly-wheel, damper, other		Damper

* Revised: 2-23-56

AMA Consolidated Specification Questionnaire

MAKE OF CAR	CHEVROLET	MODEL YEAR	1956
MODEL	CORVETTE	V-8	
	Conventional	Powerglide	

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	21° 30' (a)	
		Closes (°ABC)	62° 30' (b)	
	Exhaust	Opens (°BBC)	62° 30' (c)	
		Closes (°ATC)	23° 30' (d)	
Intake	Material		Silicon Chromium or Nickel Chromium Steel	
	Overall length		4.902 - 4.922	
	Actual overall head dia.		1.720	
	Angle of seat		45° Valve Face - 46° in Head	
	Seat insert material		None	
	Stem diameter		.3415 - .3422	
	Stem to guide clearance		.0010 - .0027	
	Lift		.40432	
	Outer spring press. and length	Valve closed (lb. @ in.)	65 - 72 @ 1.696	
		Valve open (lb. @ in.)	151 - 161 @ 1.306	
	Inner spring press. and length	Valve closed (lb. @ in.)	} Valve spring damper 5 to 10 pounds	
		Valve open (lb. @ in.)		
	Exhaust	Material		21-LN Light Weight
		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		.0015 - .0032		
Lift		.41355		
Outer spring press. and length		Valve closed (lb. @ in.)	65 - 72 @ 1.696	
		Valve open (lb. @ in.)	151 - 161 @ 1.306	
Inner spring press. and length		Valve closed (lb. @ in.)	} Valve spring damper 5 to 10 pounds	
		Valve open (lb. @ in.)		

ENGINE—LUBRICATION SYSTEM

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

Optional camshaft for conventional transmission:

- (a) 35°
- (b) 72°
- (c) 76°
- (d) 31°

AMA Consolidated Specification Questionnaire

Page 6
Rev. 8-53

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE v-8
Conventional | Powerglide

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ rpm)	30 PSI @ 1170 - R.P.M.
Oil pressure gage type (electric or mechanical)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter type (full flow, partial flow)	Full Flow
Capacity of crankcase, less filter—refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	Not lower than 32°F SAE 20W or SAE 20 or SAE 10W-30 As low as 0°F SAE 10W or SAE 10W-30 Below 0°F SAE 5W or SAE 5W-20 For sustained high speed driving, when the prevailing daylight temperature is above 90°F., SAE 30 may be used.
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.)	16.4
	Filler location	Rear of Driver's Door on Body L.H. Side
Fuel Filter	Type	Strainer
	Location	In fuel tank
Fuel pump	Type (elec. or mech.)	Mechanical
	Location	R.H. Side Near Front of Block
	Pressure range	4 - 5-1/4
	Vacuum booster (std., opt., none)	None
	Make	Carter
	Model number	WCFB - 2366SA (b)
	Number used	1
Carburetor	Type	Downdraft, side inlet, other
		Downdraft
	intake manifold heat control (manual, auto., none)	Single or dual
		4-Barrel
	Automatic choke type (integral, other)	Automatic
	Automatic choke type (integral, other)	Integral
Air cleaner type	Standard	Oil Wetted (b)
	Optional	None

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler type (rev. flow, str. thru, sep. resonator)	Straight Through
Exhaust pipe dia.	Branch
	Main
Tail pipe diameter	2.0" O.D. 1.81" I.D. (a)

- (a) Stainless Steel Tail Pipe Extension Added to end of Tail Pipe
 (b) Two 4-barrel carburetors optional. WCFB-2419S (front) and WCFB-2362S (rear).
 Two air cleaners required.

AMA Consolidated Specification Questionnaire

MAKE OF CAR	CHEVROLET	MODEL YEAR	1956
MODEL	CORVETTE	V-8	
	Conventional		Powerglide

ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)		Pressure	
Radiator cap relief valve press.		6 1/4 - 7 1/4 PSI	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at	160°	
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.)	17	
	Without heater (qt.)	16	
Water jackets full length of cylinder (yes, no)		Yes *	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	1 - Molded
		Inside diameter and length	1 3/4 x 15
	Upper	Number and type (molded, straight)	1 - Molded
		Inside diameter and length	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	37° - 44°
		Outside length	54 3/16"
		Width	3/8"
	Generator	Angle of V	Same as fan belt.
		Outside length	—
Fan	Number of blades and spacing		4 Staggered
	Diameter		17
	Ratio—fan to crankshaft revolutions		.949:1
	Bearing type		Water Pump Bearing

* - Revised 2-23-56

AMA Consolidated Specifications Questionnaire

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE V-8
Conventional 1 Powerglide

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Delco 25M53W		
	Voltage Rtg. & Plates/cell	12 Volt - 9 Plate		
	SAE Designation & Amp Hr. Rtg	53 Amp. Hrs. @ 20 Hr. Rate		
	Location	Under hood, right side rear		
Terminal grounded		Negative		
Generator	Make	Delco-Remy		
	Model	1102043		
	Type	2 brush, shunt wound		
	Ratio—Gen. to Cr/s rev.	2.00:1		
Regulator	Make	Delco-Remy		
	Model	1119001		
	Type	Current & Voltage Control		
	Cutout relay	Closing voltage @ generator rpm	12.8 @ 1300	
		Reverse current to open	--	
	Regulated	Voltage	14.5	
		Current	30 Amp.	
	Min. Gen. rpm required		(For max. output) 2950	
Voltage test conditions	Temperature	Operating (run gen. 15 min. @ 8-10 Amp. before testing)		
	Load	10 Amps. max.		
	Other			

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco-Remy		
	Model	1107627		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	N.A.		
	Test conditions		Engine at operating temp.	
	Lock test	Amps	115	
		Volts	5.8	
		Torque (lb. ft.)	12.7	
No load test	Amps	65		
	Volts	10.4		
	RPM (min.)	8900		
Motor control	Switch (solenoid, manual)	Solenoid		
	Starting procedure	Place shift in neutral depress clutch	Place selector lever in park or neutral	
		Depress accelerator pedal to floor to set automatic choke— then release		
		Turn ignition key to extreme right position to start engine.		

AMA Consolidated Specification Questionnaire

MAKE OF CAR	CHEVROLET	MODEL YEAR	1956
MODEL CORVETTE		V-8	
		Conventional	Powerglide

ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type	Positive Shift Solenoid	
	Pinion meshes (front, rear)	Front	
	Number of teeth	Pinion	9
		Flywheel	168
Flywheel tooth face width		1.85	

ELECTRICAL—IGNITION SYSTEM

Coil	Make	Delco Remy	
	Model	1115091	
	Amps	Engine stopped	1
Engine Idling		1.8	
Distributor	Make	Delco Remy	
	Model	1110872	
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	300
		Centr. advance max. deg. @ rpm	14° @ 1750
		Vacuum advance start (in. Hg.)	8.0
		Vac. adv. (max. deg. @ in. Hg.)	13 3/4° @ 15 in. HG
	Breaker gap (in.)		.016 - .021
	Cam angle (deg.)		28°-34° (Per Breaker)
Breaker arm tension (oz.)		19-23	
Timing	C/S deg. @ rpm	4° BTC @ Idle	
	Mark location	Damper	
	Cylinder numbering system (see page 2)	Left Bank	1-3-5-7
		Right Bank	2-4-6-8
Firing order (see page 2)		1-8-4-3-6-5-7-2	
Spark plug	Make and model		
	AC C-43		
	Thread (mm)	14 MM	
	Tightening torque (lb. ft.)	20-25	
Gap		.033-.038	
Cable	Conductor type	11mm 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
-------------	----------------------------------

AMA Consolidated Specification Questionnaire

Page 10

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE V-8
Conventional Powerglide

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	No
Charge Indicator—type		Ammeter **
Temperature Indicator—type		Electric
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 Vertical - Ignition & Acc. "ON" 2nd Position Clockwise from Vertical - Ignition and Starter ** "On" with Spring Return to 1st Position.
	Provision for Illumination	Yes
	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 Counterclockwise to turn on and brighten Panel Lights
Other light switches	Locations and lamps controlled	Left Hand Toe Board - High & Low Beam Driving Lights Parking Brake Alarm Light Switch on Parking Brake Lever Housing at rear of Instrument Panel - Brake engaged: Light-on Front Compartment Courtesy Lamp Switch - In Door Hinge Pillar - Door open: Light-on. Directional Signal Switch in Hub of Steering Mast Jacket Down - Left Turn Flasher; Up - Right Turn Flasher.
Other switches	Locations and devices controlled	Folding Top Switch - On Instrument Panel - Pull out to let top down. Electric Windshield Wiper Switch - On Motor Unit. Controlled by knob on Instrument Panel. * - Electric Window Lifts - On Doors (Master Switch on Driver Side
Windshield wiper	Make	Delco - Motor Unit; Trico - Other Parts
	Type	Electric
	Vacuum booster provision	None
	Washer provision	Dealer Installed Accessory
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	High 9, Low 10

* - RPO Equipment - Installed in Folding Top Circuit.
 ** - Revised 2-23-56

AMA Consolidated Specification Questionnaire

MAKE OF CAR	CHEVROLET	MODEL YEAR	1956
MODEL	CORVETTE		
	Conventional	V-8	Powerglide

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		2-5400	
Headlamp beam indicator		1-53	
Parking light		4 CP Filament of 103 $\frac{1}{2}$ Bulb	
Tail light		4 CP Filament of 103 $\frac{1}{2}$ Bulb	
Stop light		32 CP Filament of 103 $\frac{1}{2}$ Bulb	
Direction indicator	Front	32 CP Filament of Parking Lamp	
	Rear	32 CP Filament of Tail Lamp	
	Tell-Tale	2-53	*
License plate light		2-67	
Instrument light		4-57	
Ignition lock light		1-53	
Map light		None	
Dome light		None	
Clock light		1-57	
Radio dial light		1-57	
Glove compartment light		None	
Courtesy light		2-90	
Trunk compartment light		N.A.	
Other		1-53	
		1-90 *	
		1-57	

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., 15B-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 15B-10 (a), Direction indicator same as (a).

Headlamp		13CB (a)	
Headlamp beam indicator		Same as (a)	
Parking light		Same as (a)	
Tail light		Same as (a)	
Stop light		Same as (a)	
Direction indicator		Same as (a)	
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		AGW 7-1/2	
Glove compartment light		None	
Courtesy light		Same as (a) *	
Trunk compartment light		None	
Other			
		SFE 9 *	
		SFE 14	

/ - Plus use of 1 AGA3 Fuse mounted on Light Switch Assembly.

* - Revised 2-23-56.

AMA Consolidated Specification Questionnaire

1955 14

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL <u>CORVETTE</u>		V-8		
		CONVENTIONAL	POWERGLIDE	
DRIVE UNITS—CLUTCH (PEDAL OPERATED)				
Make		Omn or Borg & Beck		
Type (dry or wet plate)		Dry		
In combination with fluid coupling (yes, no)		No		
Semi-centrifugal (yes, no)		No		
Type pressure plate springs		Coil		
Total plate pressure (lb.)		1600		
No. of clutch driven discs		One		
Clutch facing	Material	Woven Asbestos Comp.		
	Inside diameter	6-1/2		
	Outside diameter	10-1/2		
	Total eff. area (sq. in.)	106.82		
	Thickness	.133		
	Number required	2		
	Engagement cushioning method	Springs		
	Release bearing	Type	Ball Bearing	
		Method of lubrication	Sealed	
	Torsional damping	Method (springs, other)	Springs at Hub	
Frict. mat.		—		

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	Standard	—
Conventional with overdrive (std. or opt.)	—	
Automatic (std. or opt.)	Optional	Standard

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		3	
Transmission ratios	In first	2.94:1 @	
	In second	1.68:1 @	
	In third	Direct @	
	In fourth	None	
	In reverse	2.94:1 @	
Constant mesh gears in 2nd (yes, no)		Yes	
Spur gear used in (indicate speeds)		None	
Helical gears used in (indicate speeds)		All	
Synchronous meshing in 2nd and 3rd gears (yes, no)		Yes	

@ - Optional transmission: First 2.2, second 1.31, third direct drive, reverse 2.2.

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL <u>CORVETTE</u>	<u>V-8</u>			
	<u>Conventional</u>	<u>Powerglide</u>		
DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)				
Lubricant	Capacity (pt.)	<u>2</u>	---	
	Type recommended	<u>A-9 Mineral Oil Lubricant</u>	---	
	SAE viscosity number	Summer	<u>SAE 90</u>	---
		Winter	<u>SAE 90</u>	---
Extreme cold		<u>SAE 80</u>	---	

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		---	
	Lubri- cant	Capacity (O.D. only)		---
		Separate filter (yes, no)		---
		Type recommended		---
		SAE viscosity number	Summer	---
Winter			---	
Ext. cold	---			

DRIVE UNITS—AUTOMATIC TRANSMISSION

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

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET **MODEL YEAR** 1956

MODEL CORVETTE V-8

Conventional Powerglide

DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)

Torque convertor	Number of elements	---	3	
	Max. ratio at stall of 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		7
Type (exposed, torque tube)		Exposed Hotchkiss
Outer diameter x length* x wall thickness	Conventional trans.	2.50 x .065 (Eff. Len. varies due to U-Joint Slip on Spline)
	Overdrive trans.	---
	Automatic trans.	Same As Conventional
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)
Lubric. (fitting, prepack)		2 - Fitting
Drive taken through (torque tube or arms, spring)		Rear Springs
Torque taken through (torque tube or arms, springs)		Rear Spring

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

AMA Consolidated Specification Questionnaire

Page 13
Issued 1-6-56
Revised 7-9-56

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE CONVENTIONAL V-8 POWERGLIDE

DRIVE UNITS—REAR AXLE

Type (semi-floating, other)		Semi-Floating		
Gear type (hypoid, other)		Hypoid		
Gear ratio and No. of teeth	Conventional trans.	3.70 (Standard) (10-37) (a)	---	
	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 15K	
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.)		157	
Percent brake effectiveness—rear		100%	
Drum	Diameter	Front	11
		Rear	11
	Type and material		Composite, Rim-Cast Alloy Iron, Web-Pressed Steel

(a) 3.27 (11-36), or 4.11:1 (9-37) Optional

AMA Consolidated Specification Questionnaire

MAKE OF CAR Chevrolet **MODEL YEAR** 1956

MODEL Corvette Conventional V-8 Powerglide

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 x 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, 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
----------------------	---

AMA Consolidated Specification Questionnaire

Page 17
Rev. 8-53

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE V-8
Conventional Powerglide

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)	1115 @ 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°		23°		
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) Tie rods (one or two)	Longitudinal 2		

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET **MODEL YEAR** 1956

MODEL CORVETTE V-8
Conventional Powerglide

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			Reserve Elliott	
Wheel spindle	Diameter	Inner bearing	1.2810 - 1.2825	
		Outer bearing	.7198-.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 11			
	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	1		
		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	Dalec		
Type (direct or lever)		Direct, Double Acting, Hydraulic			
Piston diameter		1			
Stabilizer	Type (link, linkless, frameless)	None			
	Material	---			
Track bar type		None			

MAKE OF CAR CHEVROLET MODEL YEAR 1956

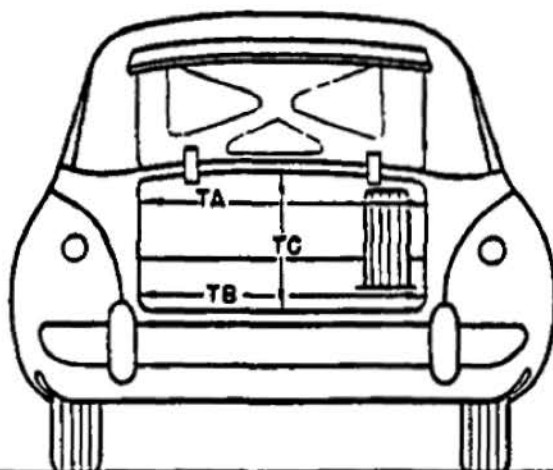
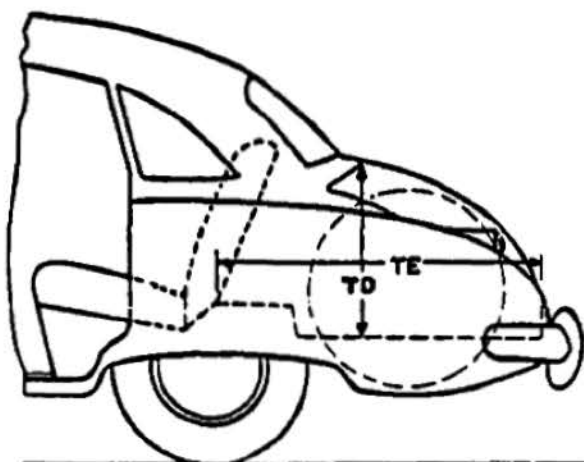
BODY—GENERAL DEFINITIONS

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 _____

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	45.0
TB—Width across the bottom	
TC—Diagonal dimension at CL from top of opening to bottom	*
TD—Vertical height of opening (floor to top, inside edge of opening)	14.2
TE—Max. horizontal depth (forward from vertical projection of inside edge of opening)	13.0
Position of spare tire stowage	Horizontal In Floor Tire Well Under Mat
Method of holding lid open	Counterbalance Springs

* - Not A Standard Dimension

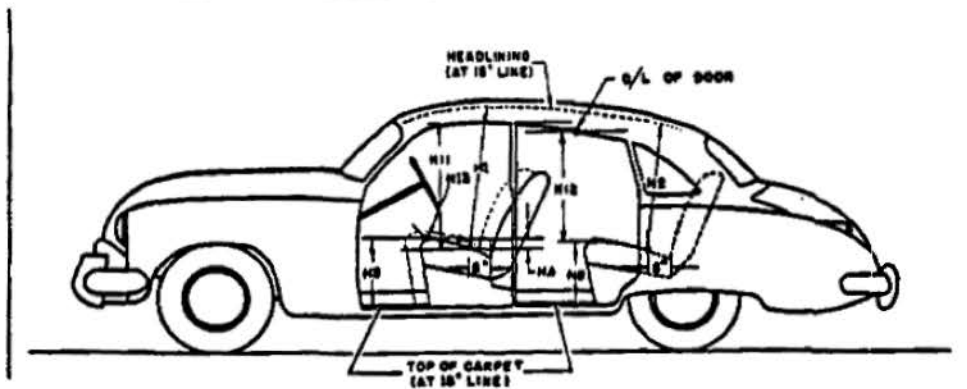
AMA Consolidated Specification Questionnaire

Page 20
Rev. 8-53

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE

BODY—HEIGHT DIMENSIONS—INTERIOR



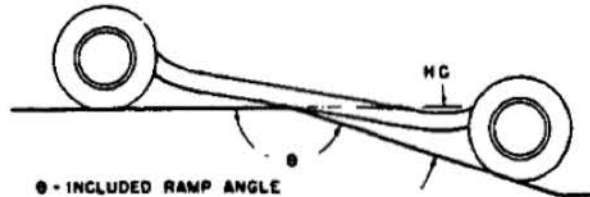
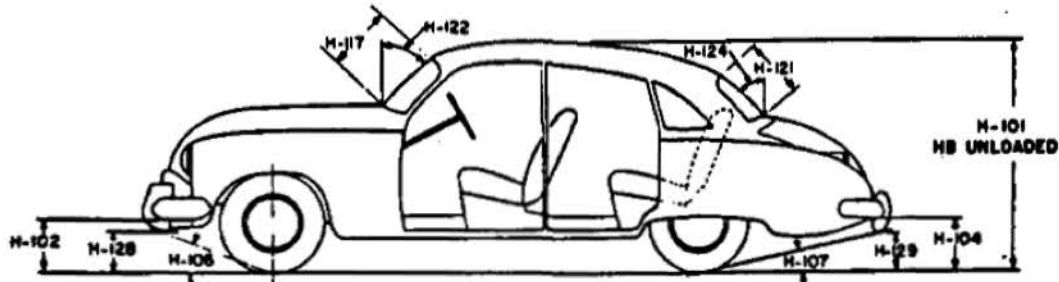
H1. Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	36.58
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	---
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	8.9
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	---
H11. Entrance—front—cushion "A" point to bottom windcord vertical.	---
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.	4.12
HA. Front seat vertical rise at "A" pt. (Inches.)	.22

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET MODEL YEAR 1956

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	51.09
HB. Overall height—unloaded. — Top Up	52.0
H102. Front bumper bottom to ground at normal section.	
H104. Rear bumper bottom to ground at normal section.	
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	28° 1"
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	18° 50"
HC. Ramp breakover angle.*	14° 54"
H117. Windshield DLO—slant height.	17.31"
H121. Backlight DLO*—Max., slant height.	11.5"
H122. Windshield slope angle to vertical line on car axis.	
H124. Backlight slope angle to vertical line on car axis.	
H128. Ground to bottom of front bumper guard.	---
H129. Ground to bottom of rear bumper guard.	---
HD. Min. road clearance (location and dimension).	5.81
HE. Min. road clearance at rear axle.	8.00

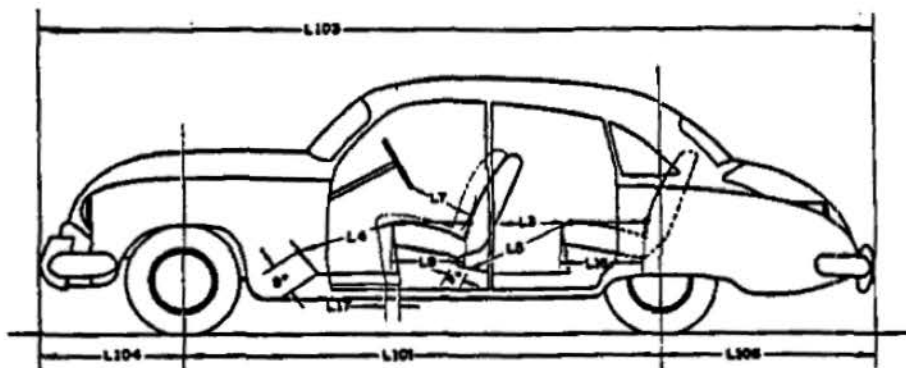
*See Notes, page 19.

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE

BODY—LENGTH DIMENSIONS

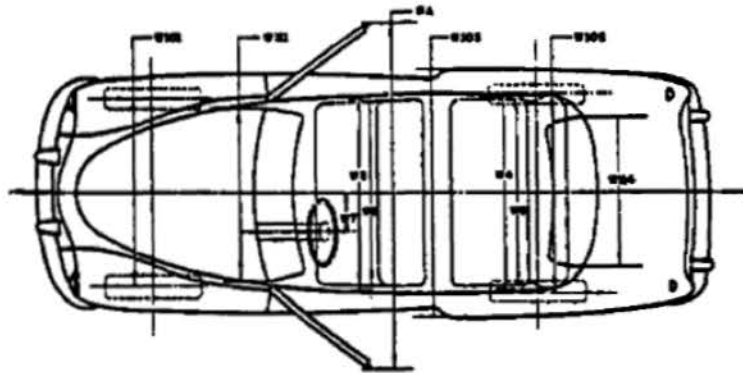


Interior	L3. Rear compartment back of front seat back to rear seat back.	---
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15° line.	41.0
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	---
	L7. Steering wheel clearance to seat back taken on arc.	---
	L9. Front seat depth (front edge to vert. tan. to seat back on 15° line).	18.0
	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).	168.0
	L104. Overhang—front including bumper guards.	24.73
	L105. Overhang—rear including bumper guards.	47.43

MAKE OF CAR CHEVROLET MODEL YEAR 1956

MODEL CORVETTE

BODY—WIDTH DIMENSIONS



	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	¢
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	---
Inter-	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	¢
rior	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
	W101. Front tread at ground.	56.67
	W102. Rear tread at ground.	58.80
	W103. Max. overall width of car including bumpers or mouldings.	70.46
Exte-	WA. Max. overall width of car with doors open.	
rior	W111. Windshield DLO, max. width.	53.56
	W114. Back window DLO, max. width.	34.25

¢ Not Applicable.

AMA Consolidated Specification Questionnaire

MAKE OF CAR CHEVROLET **MODEL YEAR** 1956

MODEL CORVETTE **Conventional** V-8 **Powerglide**

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)		Convert. Top - One Piece, Flat (Plastic) (Hardtop) - One Piece Curved (Optional)
Windshield glass area		908 Sq. In.
Backlight glass area		408 Sq. In.
Total glass area		1816 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 Randiwagon)

* L - Convertible - 2 Door - 2 Passenger

- 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

Body type code

- 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

* Removable Hard-Top

Optional Equipment

INDEX

SUBJECT	PAGE	SUBJECT	PAGE
Battery.....	8	Kingpin.....	18
Belts, drive.....	7	Lamp bulbs.....	11
Body		Linings—clutch, brake.....	12, 16
General Body Information.....	19, 23	Lubrication.....	5, 6, 13, 14, 15
Height dimensions.....	20	Muffler.....	6
Length dimensions.....	21	Overdrive.....	13
Overall dimensions.....	1	Piston pins.....	3
Trunk opening dimensions.....	19	Pistons.....	2
Width dimensions.....	22	Propeller shaft.....	14
Types.....	23	Radiator, radiator hoses.....	7
Brakes		Rear axle.....	1, 15
Parking.....	16	Rims.....	15
Service.....	15, 16	Rings.....	3
Camber.....	18	Shock absorbers	
Camshaft.....	4	Front.....	17
Capacities		Rear.....	18
Cooling system.....	7	Spark plugs.....	9
Fuel tank.....	6	Springs	
Lubricants		Front.....	17
Crankcase.....	6	Rear.....	18
Overdrive.....	13	Valve.....	5
Transmissions.....	13, 14	Stabilizer	
Rear axle.....	15	Front.....	17
Carburetor.....	6	Rear.....	18
Caster.....	18	Starting motor.....	8
Choke, automatic.....	6	Steering.....	1, 17, 18
Circuit breakers.....	11	Suppression.....	9
Clutch (pedal operated).....	12	Suspension:	
Coil, ignition.....	9	Front.....	16, 17
Connecting rods.....	3	Rear.....	18
Cooling system.....	7	Switches.....	10
Crankshaft.....	3, 4	Tailpipe.....	6
Cylinders, cylinder head.....	2	Timing, engine.....	4, 5, 9
Distributor.....	9	Tires.....	1, 15
Electrical System.....	8, 9, 10, 11	Toe-in.....	18
Engine		Torque converter.....	14
Bore and stroke, displacement.....	1, 2	Torque, maximum.....	1, 2
Compression ratio.....	1, 2	Transmission	
Firing order, cylinder numbering.....	2, 9	Automatic.....	13, 14
General information.....	1, 2	Conventional.....	12, 13
Lubrication.....	5, 6	Conventional with overdrive.....	13
Type.....	1, 2	Ratios.....	12
Exhaust system.....	6	Types.....	1, 12, 13
Fan.....	7	Tread.....	1, 22
Frame.....	16	Turning diameter.....	1, 17
Fuel.....	6	Universal joints.....	14
Fuel pump.....	6	Valves, intake and exhaust.....	4, 5
Fuel system.....	6	Voltage regulator.....	8
Fuses.....	11	Water pump.....	7
Generator.....	8	Weight, shipping.....	1
Horns.....	10	Wheel alignment.....	18
Horsepower		Wheelbase.....	1, 21
Maximum brake.....	1, 2	Wheels.....	15
Taxable.....	2	Wheel spindle.....	18
Ignition system.....	9	Windshield wiper.....	10
Instruments.....	10		