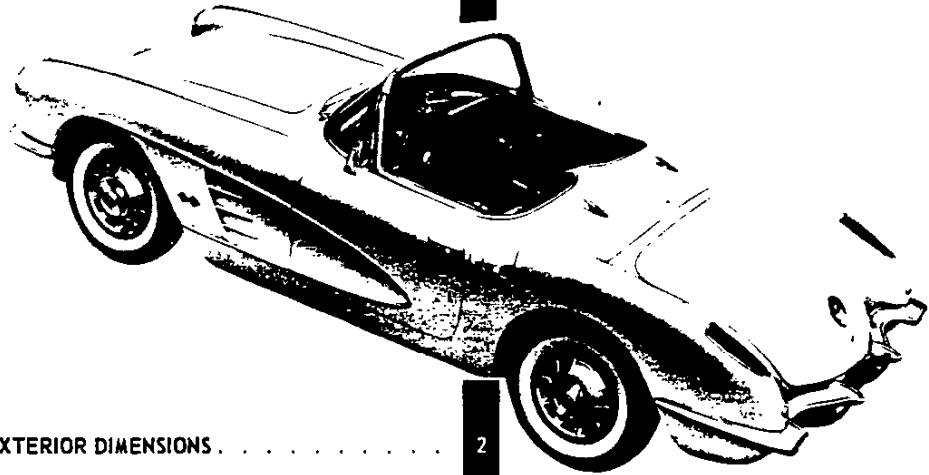




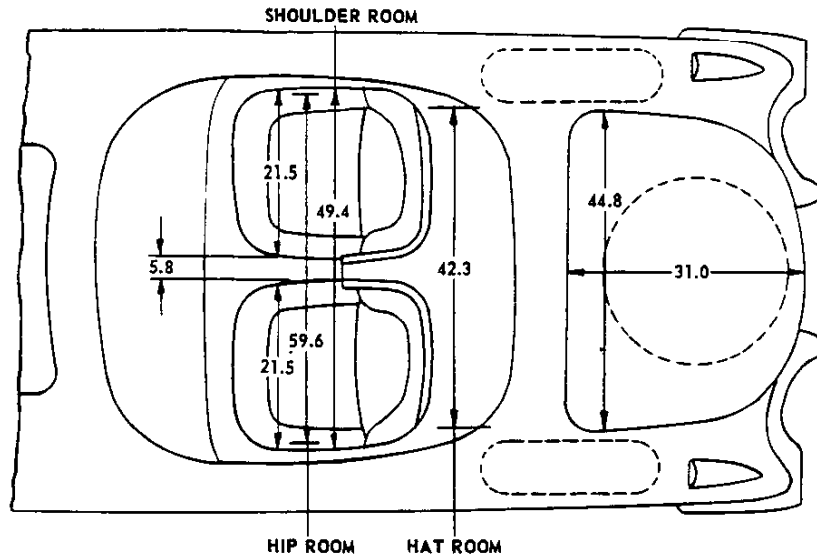
# CORVETTE



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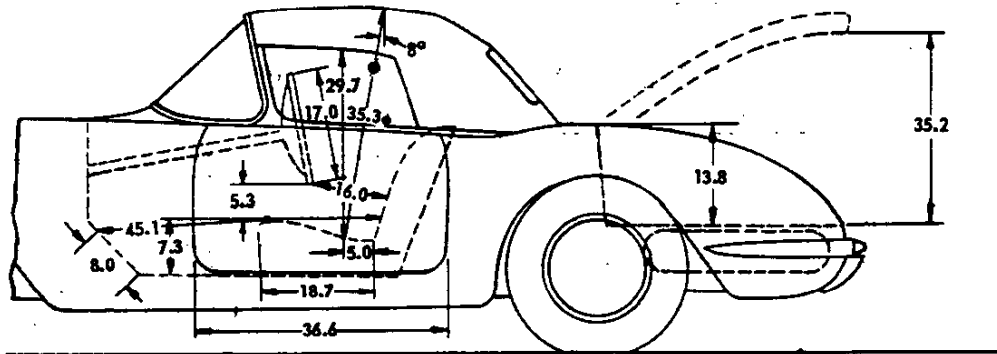


INTERIOR DIMENSIONS



DRIVER SEAT ADJUSTMENT 4.4  
 SEAT DIMENSIONS SHOWN ARE  
 MEASURED 15" FROM CENTER  
 LINE OF CAR WITH SEAT IN  
 REAR POSITION

LUGGAGE COMPARTMENT APPROX.  
 CAPACITY - 4.474 CU. FT.



±35.1 WITH HARD TOP

## REGULAR EQUIPMENT

EXTERIOR		INTERIOR	
Four Headlights		Three-Spoke Competition-Type Steering Wheel	
Parking and Turn Signal Lights		Vinyl Covered Instrument Panel	
Tail, Stop, and Turn Signal Lights		160 MPH Speedometer, Odometer	
Twin License Lights		7000 RPM Tachometer	
Bright Metal	Headlight and Parking Light Bezels	Bright Metal	Cove Insert
	Front Fender Crown Molding		Sill Plates
	Grille Frame and Body		Step Plates
	Grille Guards and License Frame		Top Header Release Latches
	Front and Rear Bumpers		Door Lock Lever
	Cove Area Reveal Molding	Fuel, Temperature, Ammeter, Oil Pressure Gauges	
	Windshield Reveal Molding	Ignition - Starter Switch	
	Belt Reveal Molding	Cigarette Lighter	
	Door Glass Frames	Cowl Vent Lever	
	Door Push-Button Handles	Hood Release Lever	
	Door Key Locks	Rear View Mirror	
	Deck Lid Key Lock	Ash Tray	
	Tail Light Bezels	Electric Clock	
	Rear Body Guards	Cockpit Center Console	
	*Hardtop Additional Moldings	Roof Front	Stowage Compartment
Drip Cap		Roll-Up Door Windows	
Quarter Window Reveal		Twin Reflectors in Side Wall	
Rear Window Reveal		Door Armrests	
Hood Emblem		Glove Box with Key Lock	
Deck Lid Emblem		Padded Passenger - Assist Bar	
Outside Rear View Mirror		Direction Signal Control	
Wheel Disks		Individually Adjusted Bucket Seats	
Wheel Disk Ornaments		Seat Belts	
Convertible Top		Ball-Type Door Handles	
Crossed Flags in Cove Area		Transmission Shift Lever with Shift Diagram	
Gas Filler Door		Headlight Dimmer Switch	
Twin Rear Fender Reflectors		Windshield Wiper Control Knob	
Dual Rear Bumper Exhaust Ports		Horn Button	

\* - If Hardtop is provided in place of Convertible Top.

## REGULAR PRODUCTION OPTIONS AND FACTORY OPTIONAL ACCESSORIES

ITEM	NUMBER	ITEM	NUMBER
Alarm, parking brake	107	Radio, signal-seeking	102
Axle, limited-slip, all ratios	675	Sunshades	261
Brakes, heavy-duty (sintered) $\text{\textcircled{A}}$	686	Tires, 6.70 x 15-4 ply (whitewall)	290
Brakes, heavy-duty (sintered)	687	Top, hydraulic folding	473
Carburetors, two 4-barrel	469	Transmission, 4-speed	685
Fuel injection	579	Transmission, Powerglide	313
Hardtop, auxiliary	419	Washers, windshield	109
Heater, air flow	101	Wheels, 15 x 5.50K	276
Light, courtesy	108	Windows, power	426
Folding top equipment	470	Fan, thermostatically controlled	121
Body equipment (service)	565		

$\text{\textcircled{A}}$  - Includes special steering adapter.

## EXTERIOR - INTERIOR COLOR COMBINATIONS

EXTERIOR COLOR		INTERIOR TRIM			
Body*, Wheels	Cove Area (Optional)	Black	Red	Turquoise	Blue
Tuxedo Black	Sateen Silver	✓	✓	✓	✓
Ermine White	Sateen Silver	✓	✓	✓	✓
Roman Red	Ermine White	✓	✓		
Sateen Silver	Ermine White	✓	✓	✓	✓
Horizon Blue	Ermine White	✓	✓		✓
Tasco Turquoise	Ermine White	✓		✓	
Cascade Green	Ermine White	✓			
Honduras Maroon	Ermine White	✓			

\* - Includes hardtop, when used.

Convertible top colors (Black, White, Light Blue) available with any exterior color.

## GENERAL DATA

### VEHICLE SERIAL NUMBER

Example:

Model Year (1960)	Model	Assembly Plant (St. Louis)	Unit Number (3rd unit)
0	0867	S	100003

Thus:

The 3rd model 867 (designated 0867) built at St. Louis would bear serial number 00867S100003

### ENGINE IDENTIFICATION

Type & designation

3 & 4-speed transmission & 4 bbl. carb. -----	CQ
3 & 4-spd.trans., two 4 bbl. carb. & spec. cam--	CU
3 & 4-spd.trans., and two 4 bbl. carb. -----	CT
3 & 4-spd.trans., Fuel Inj. & spec. camshaft---	CS
3 & 4-spd.trans. & Fuel Injection -----	CR
With two 4 bbl. carb. and Powerglide -----	DJ
With Powerglide & 4 bbl. -----	DG

### REAR AXLE IDENTIFICATION

Type and designation

With 3-spd. trans. (3.70:1 ratio) -----	AH
With Powerglide (3.55:1 ratio) -----	AE
Limited slip differential (3.70:1 ratio) -----	AN
Limited slip differential (4.11:1 ratio) -----	AP
Limited slip differential (4.56:1 ratio) -----	AQ
HD brake (Sintered Iron, sp. strg) 3.70:1 -----	AS
HD brake (Sintered Iron, sp. strg) 4.11:1 -----	AT
HD brake (Sintered Iron, sp. strg) 4.56:1 -----	AU
HD brake (Sintered Iron) (3.70:1) -----	FJ
HD brake (Sintered Iron) (Limited slip)(3.70:1)-	FK
HD brake (Sintered Iron) (Limited slip)(4.11:1)-	FL
HD brake (Sintered Iron) (Limited slip)(4.56:1)-	FM

### VEHICLE WEIGHTS\*

Powerglide transmission

Shipping -----	2945 lb.
Curb -----	3090 lb.
Loaded -----	3390 lb.

3-speed transmission

Shipping -----	2840 lb.
Curb -----	2985 lb.
Loaded -----	3285 lb.

Optional hard top -----	55 lb.
-------------------------	--------

\* - Curb weight is empty vehicle ready to drive.

Shipping weight is curb weight minus gasoline (107 lb.) and water (38 lb.)

Loaded weight is curb weight plus 300 lb. (weight of two 150 lb. passengers)

### BODY GLASS

Windshield ----- Laminated safety plate

Side doors ----- Laminated safety plate

Rubberized fabric top,

Rear window ----- Vinyl plastic

Hard Top,

Rear window ----- Acrylic plastic (plexiglass)

Rear quarter window -- Acrylic plastic (plexiglass)

### CHASSIS

#### FRONT WHEEL ALIGNMENT (Service data)

Camber -----	$0^{\circ} \pm 0^{\circ}30'$
Caster -----	$2^{\circ} \pm 0^{\circ}30'$
King pin inclination -----	$3^{\circ}30' - 4^{\circ} - 30'$
Toe in -----	0-.12

#### FRAME

Make & type - Chevrolet, box girder with "X" member	
Maximum overall length -----	139.28
Maximum overall width (over side members)--	43.24
Number of crossmembers -----	3
Body mounting points -----	10
Material -----	Hot rolled steel
Side member section modulus(inches cubed)---	1.677
Moment of inertia (in <sup>4</sup> ) -----	4.930

#### KING PINS

Diameter -----	.8660-.8665
Bushings	
Inside diameter -----	.867-.868
Length -----	1.312

#### STEERING KNUCKLE

Type -----	Reverse Elliot
Spindle diameter:	
At inner bearing -----	1.2810-1.2815
At outer bearing -----	.7498-.7503
Thread size -----	3/4-20

#### FRONT SPRINGS

Make and type -----	Chevrolet, coil
Material and gauge ---	Chrome alloy steel .547-.550
Number of coils -----	Total 9.75; active 7.94
Diameter -----	Outside 4.30; pitch 3.752
Height -----	Free 13.75; working 9.62@ 1235 lb.
Height under curb weight -----	9.72
Capacity at ground -----	800 lb.
Deflection rate	
At spring -----	300 lb/in.
At wheel -----	110 lb/in.

#### FRONT SHOCK ABSORBERS ♦

Make and type -----	Delco, direct double acting
Mounting -----	Vertically from lower control arm
through coil spring to front suspension crossmember	
Piston diameter and travel -----	1.00 x 4.68

♦ - Contains nitrogen-filled envelope in fluid reservoir

## CHASSIS - (Contd.)

### STABILIZER BAR

Type ----- Link  
 Material ----- Hot rolled steel  
 Diameter ----- .8125

### REAR SPRINGS

Make ----- Chevrolet  
 Type ----- Semi-elliptic, outrigger mounted  
 Material ----- Alloy steel  
 Size ----- 51.0 x 2.0  
 Number of leaves ----- 4  
 Leaf inserts:  
   Type ----- 3-liners  
   Size ----- 19.8, 31.8, x 46.3 x 1.9 x .11  
   Material ----- Wax impregnated fibre board  
 Mounting insulating type ----- Rubber bushed  
 Spring rate ----- 115 in-lb  
 Design height ----- 605 @ .08 negative camber height

### REAR SHOCK ABSORBERS ♦

Make & type ----- Delco, direct double acting  
 Mounting ----- Stem attached to slotted  
   holes in flanged "U" shaped rear crossmember, eye  
   attached at bottom to an anchor bolt on rear spring  
   "U" bolt and shock absorber anchor bolt plate  
 Piston diameter and travel ----- 1.0 x 7.44

### STABILIZER BAR

Type ----- Link  
 Material ----- Hot rolled steel  
 Diameter ----- .625

### REAR RADIUS RODS

Location ----- Outrigger mounted to top  
   of outer ends of axle, near the brake backing plates,  
   and to frame forward of the axle:  
 Size:  
   Length ----- 18.28  
   Diameter ----- .750  
 Number of rods ----- Two

### DRIVE LINE

Type ----- Hotchkiss drive, one  
   propeller shaft. Torque and thrust taken through  
   rear springs and radius rods.

### REAR AXLE

Type ----- Hypoid  
 Ratio  
   Conventional trans. - regular & RPO 675 - 3.70:1  
                           RPO 675 only ----- 4.11:1  
                           RPO 675 only ----- 4.56:1  
   Powerglide trans. ----- 3.55:1  
 Gear combination  
   Conventional trans. - regular ----- 37 & 10  
                           optional ----- 37 & 9  
                           optional ----- 41 & 9  
 • Powerglide trans. ----- 32 & 9

♦ - Contains nitrogen-filled envelope in fluid reservoir

### BRAKES-SERVICE

Type ----- Servo, 4 wheel hydraulic  
 Brake size  
   Front ----- 11 x 2  
   Rear ----- 11 x 1-3/4  
 Brake drums  
   Diameter front & rear ----- 11  
   Total effective area ----- 259 sq. in.  
 Lining sizes (length x width x thickness)  
   Front-primary ----- 9.29x2.0x.175  
     -secondary ----- 11.69x2.0x.175  
   Rear -primary ----- 9.29x1.75x.175  
     -secondary ----- 11.69x1.75x.175  
 Total lining effective area ----- 157 sq. in.  
 Percent brake effectiveness (front) ----- 58.5%  
 Wheel cylinder bore  
   Front ----- 1.1875  
   Rear ----- 1.000  
 Master cylinder bore ----- 1.000  
 Pedal travel ----- 4.50  
 Shoe clearance adjustment ----- Adjust  
   to light drag and back off seven notches.

### BRAKES-PARKING

Type of control ----- "T" handle pull rods  
 Location of control ----- L.H. of steering column  
 Operate on ----- Rear service brakes

### STEERING

Steering gear ratio ----- 16:1  
 Steering wheel diameter ----- 17.00  
 Turning diameters  
   Right-wall to wall ----- 38.5 ft.  
   Left-wall to wall ----- 39.0 ft.  
   Right-curb to curb ----- 36.5 ft.  
   Left-curb to curb ----- 37.0 ft.  
 Overall steering ratio ----- 21.0:1

### TACHOMETER

Make ----- AC  
 Model ----- W  
 Type ----- Mechanical  
 Driven Off  
   Fuel Injection (special camshaft) ----- Distributor  
   All others ----- Generator

### WHEELS

Rim Size & Flange Type ----- 15 x 5K  
 Attachment to hub -- 5-7/16-20 studs; 4.75 diameter

### TIRES

Size ----- 6.70 x 15-4 pr  
 Type ----- Rayon  
 Revolutions/mile @ 30 MPH ----- 760  
 Sidewall Color  
   Regular ----- Black  
   Optional ----- White  
 Inflation pressure (front and rear) ----- 24 lb.

• Revised February 1960    October 1959



# HEAVY DUTY BRAKE EQUIPMENT-RPO 686-RPO 687

## BRAKES - SERVICE

Material ----- Sintered Iron  
 Segments Per Shoe:  
 Primary - Front and Rear ----- Six  
 Secondary ----- Front, 12; Rear, 10  
 Lining Size:  
 Front:  
 Primary ----- 1.64 x 1.25 x .205  
 Secondary ----- 1.64 x 1.25 x .325  
 Rear:  
 Primary ----- 2.0 x .875 x .205  
 Secondary ----- 2.0 x .875 x .325  
 Drums:  
 Front and Rear ----- Cooling vanes  
 cast on rim, air scoop on backing  
 plate, fans between drum and hub  
 Wheel Cylinder Bore:  
 Front ----- 1.125  
 Rear ----- .875  
 Method of Attachment ----- Riveted  
 Shoe Clearance Adjustment ----- Adjust to  
 light drag and back off 17 notches  
 Gross Lining Area (sq in) ----- 129.8  
 Effective Area (sq in) ----- 124.0  
 Brake Effectiveness (front) ----- 62%

## STEERING (Special)

Overall Ratio ----- 16.3:1  
 Number of Wheel Turns ----- 3.25

### HEAVY-DUTY BRAKES RPO 686

### LIMITED SLIP REAR AXLES RPO 675

<u>Ratios</u>	<u>Gear Combinations</u>
3.70:1	37-10
4.11:1	37-9
4.56:1	41-9

### HEAVY-DUTY BRAKES AND SPECIAL STEERING RPO 687

## BRAKES - SERVICE

Material ----- Sintered Iron  
 Segments Per Shoe: (Front and Rear)  
 Primary ----- Six  
 Secondary ----- Ten  
 Lining Size:  
 Front:  
 Primary ----- 2.0 x 1.0 x .205  
 Secondary ----- 2.0 x 1.0 x .325  
 Rear:  
 Primary ----- 2.0 x .875 x .205  
 Secondary ----- 2.0 x .875 x .325  
 Method of Attachment ----- Riveted  
 Shoe Clearance Adjustment ----- Adjust  
 to light drag and back off 12 notches  
 Gross Lining Area (sq in) ----- 120.0  
 Effective Area (sq in) ----- 108.0  
 Brake Effectiveness (front) ----- 58.5%

## POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	AXLE RATIO
283 CUBIC INCH 4-BARREL CARBURETOR V-8 (PRODUCTION)	3-SPEED	3.70:1
	4-SPEED	4.11:1
	POWERGLIDE	4.56:1
-----		
283 CUBIC INCH DUAL 4-BARREL CARBURETOR V-8 (RPO 469, REGULAR CAMSHAFT)	3-SPEED	3.70:1
	4-SPEED	4.11:1
	POWERGLIDE	4.56:1
-----		
283 CUBIC INCH DUAL 4-BARREL CARBURETOR V-8 (RPO 469, SPECIAL CAMSHAFT)	3-SPEED	3.70:1
	4-SPEED	4.11:1
	POWERGLIDE	4.56:1
-----		
283 CUBIC INCH RAMJET FUEL INJECTION (RPO 579)	3-SPEED	3.70:1
	4-SPEED	4.11:1
		4.56:1

### MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS								
ENGINE	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO	MAX AXLE TORQUE LOW GEAR - Lb Ft ⊕
		1st	2nd	3rd	4th	Rev.		
230 HP V-8 & 245 HP V-8 (Regular cam)	3-speed	8.18	4.88	3.70		9.29	3.70:1	1877 ●
	4-speed	8.14	6.14	4.85	3.70	8.36		1868 ●
	3-speed	9.08	5.43	4.11		10.32	4.11:1	2084 ●
	4-speed	9.04	6.82	5.38	4.11	9.29		2075 ●
	3-speed	10.08	6.02	4.56		11.45	4.56:1	2313 ●
	4-speed	10.03	7.57	5.97	4.56	10.31		2302 ●
270 HP V-8 (RPO 469) (Special cam)	3-speed	8.18	4.88	3.70		9.29	3.70:1	1773 ●
	4-speed	8.14	6.14	4.85	3.70	8.36		1765 ●
	3-speed	9.08	5.43	4.11		10.32	4.11:1	1968 ●
	4-speed	9.04	6.82	5.38	4.11	9.29		1959 ●
	3-speed	10.08	6.02	4.56		11.45	4.56:1	2185 ●
	4-speed	10.03	7.57	5.97	4.56	10.31		2174 ●
275 HP V-8 & 315 HP V-8 (RPO 579)	3-speed	8.18	4.88	3.70		9.29	3.70:1	
	4-speed	8.14	6.14	4.85	3.70	8.36		
	3-speed	9.08	5.43	4.11		10.32	4.11:1	
	4-speed	9.04	6.82	5.38	4.11	9.29		
	3-speed	10.08	6.02	4.56		11.45	4.56:1	
	4-speed	10.03	7.57	5.97	4.56	10.31		
WITH AUTOMATIC TRANSMISSIONS								
ENGINE	TRANSMISSION	SELECTOR POSITION		TOTAL TORQUE * MULTIPLICATION		AXLE RATIO		
230 HP V-8 & 245 HP V-8 (Regular cam)	Powerglide	Drive		13.56:1-3.55:1		3.55:1		
		Low & Rev		13.56:1-6.46:1				

⊕ - Gear reduction x maximum net engine torque x efficiency factor (0.90 indirect drive, 0.85 all others).  
\* - Axle ratio x transmission ratio

# CORVETTE 283 CUBIC INCH V-8 ENGINE

## GENERAL DATA

Engine		3-Speed	4-Speed	Powerglide	
Piston displacement (Cu In)		283			
Type		Valve-in-head			
Number of cylinders		8			
Bore and stroke (nominal)		3.875 x 3.000			
Compression ratio		9.5:1*			
Taxable (SAE) horsepower		48			
Idling speed (RPM)		475 in neutral	475 in drive		
Compression press (PSI)@ cranking speed, engine hot		160**			
Dry Weight (Lb)	Engine & Clutch only	4-barrel	620	560	
		2 x 4-barrel	605	550	
		Fuel Injection	550		
	Engine, Clutch & Transmission	4-barrel	690	700	785
		2 x 4-barrel	675	685	775
		Fuel Injection	620	630	
Lubrication		Full pressure			
Power plant mounting		Three point mounting; two front and one rear; compression type			
Measurements	Fan to rear of clutch housing		36.57	31.66	
	Front of cylinder block to rear of clutch housing		29.57	24.66	
	Length of cylinder block		23.28		
	Top air cleaner to bottom oil pan		29.54		
	Exhaust manifold to generator (width)		26.72		

\* - 11.0:1 with all Fuel Injection engines

\*\* - 140 PSI for special camshaft equipped engines

## ADVERTISED MAXIMUM ENGINE PERFORMANCE

Carburetor		4-barrel (Production)		Dual 4-barrel (RPO 469)		Fuel Injection (RPO 579)			
Camshaft		Standard		Special		Standard		Special	
Brake Horsepower	Gross	230@ 4800 RPM	245@ 5000 RPM	270@ 6000 RPM	270@ 6000 RPM	275@ 5200 RPM	315@ 6200 RPM		
	Net	195@ 4600 RPM	215@ 4800 RPM	230@ 6000 RPM	230@ 6000 RPM				
Torque (Lb-Ft)	Gross	300@ 3000 RPM	300@ 3800 RPM	285@ 4200 RPM	285@ 4200 RPM	305@ 4400 RPM	295@ 47-5100 RPM		
	Net	270@ 2800 RPM	270@ 3400 RPM	255@ 3800 RPM	255@ 3800 RPM				

## ENGINE SPEED AND PISTON TRAVEL

Transmission		3-Speed close ratio (Production)			Powerglide (RPO 313) *
Rear axle ratio		3.70:1 ▼	4.11:1 ▼	4.56:1 ▼	3.55:1
Tire size		6.70 x 15-4 pr			
Crankshaft revolutions per mile		2812.0	3123.6	3465.6	2698.0
Crankshaft RPM @ 1 MPH	Low	103.4	115.1	127.7	81.9
	Reverse	117.5	130.8	145.1	
	Second	61.8	68.8	76.3	
	Third §	46.8	52.1	57.8	45.0
Piston travel (Ft/mile)		1406.0	1561.8	1732.8	1349.0
Transmission		4-Speed close ratio (RPO 685)			
Rear axle ratio		3.70:1 ▼	4.11:1 ▼	4.56:1 ▼	
Tire size		6.70 x 15-4 pr			
Crankshaft revolutions per mile		2812.0	3123.6	3465.6	
Crankshaft RPM @ 1 MPH	Low	103.0	114.6	127.2	
	Reverse	105.8	117.7	130.6	
	Second	77.7	86.5	96.0	
	Third	61.3	68.3	75.7	
	Fourth §	46.8	52.1	57.8	
Piston travel (Ft/mile)		1406.0	1561.8	1732.8	

\* - Data computed assuming zero slippage in torque converter

▼ - Rear axle ratios optional with limited slip differential carrier

§ - Also known as N/V factor

October 1959

10-CORVETTE

1960 CHEVROLET PASSENGER CAR

**ADVERTISED CAR PERFORMANCE FACTORS**  
(Model 867)

ENGINE	Carburetor	4-barrel	Dual 4-barrel	Fuel Injection	
	Camshaft	Standard •	Special	Standard	Special

*WITH*

3-Speed Transmission

Performance weight (pounds)	3285	3270	3265	3285	3270
Pounds per gross horsepower	14.28	13.35	12.09	11.95	10.38
Pounds per Cu In displacement	11.61	11.55	11.54	11.61	11.55
Gross horsepower per Cu In displacement	.813	.866	.954	.972	1.113
Power displacement (Cu Ft/mile)	230.3	230.3	230.3	230.3	230.3
Displacement factor (Cu Ft/ton mile)	140.2	140.9	141.1	140.2	140.9

*WITH*

4-Speed Transmission

Performance weight (pounds)	3295	3280	3275	3295	3280
Pounds per gross horsepower	14.33	13.39	12.13	11.98	10.41
Pounds per Cu In displacement	11.64	11.59	11.57	11.64	11.59
Gross horsepower per Cu In displacement	.813	.866	.954	.972	1.113
Power displacement (Cu Ft/mile)	230.3	230.3	230.3	230.3	230.3
Displacement factor (Cu Ft/ton mile)	139.8	140.4	140.6	139.8	140.4

*WITH*

Powerglide Transmission \*

Performance weight (pounds)	3380	3370			
Pounds per gross horsepower	14.70	13.76			
Pounds per Cu In displacement	11.94	11.91			
Gross horsepower per Cu In displacement	.813	.866			
Power displacement (Cu Ft/mile)	220.9	220.9			
Displacement factor (Cu Ft/ton mile)	130.7	131.1			

\* - Data computed assuming zero slippage in torque converter.

**GLOSSARY**

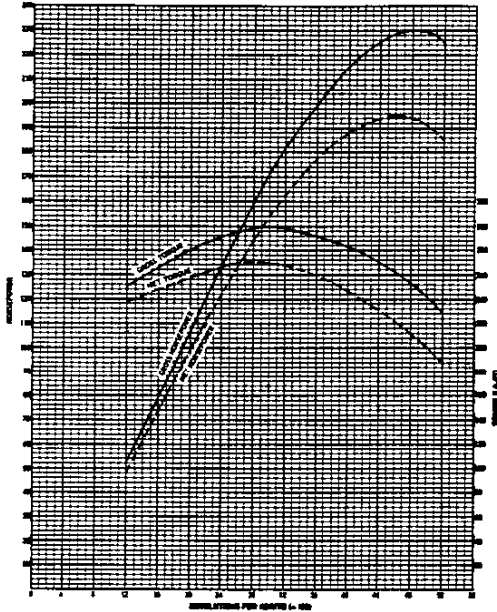
Performance Weight = Curb Weight plus 300 Lb •  
(weight of two 150 Lb passengers)

Power Displacement =  $\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$

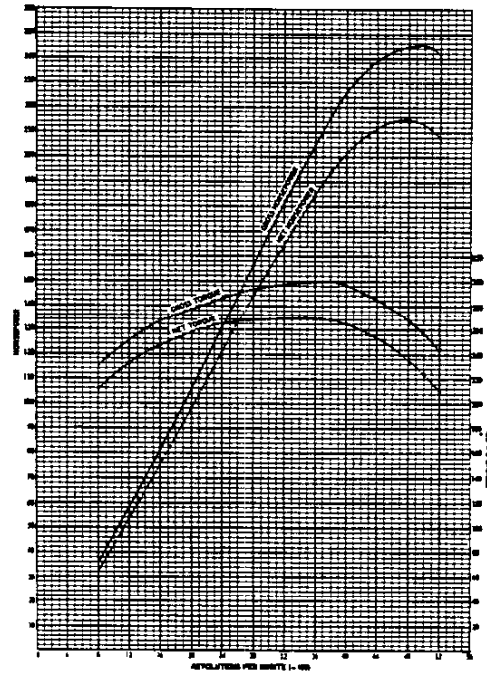
Displacement Factor =  $\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

# CORVETTE 283 CUBIC INCH V-8 ENGINE - Cont'd.

**CORVETTE 283 CUBIC INCH V-8 ENGINE**  
4-barrel Carburetor - Engine Test Report 17697-25



**CORVETTE 283 CUBIC INCH V-8 ENGINE**  
Dual 4-barrel Carburetors - Engine Test Report 17697-25



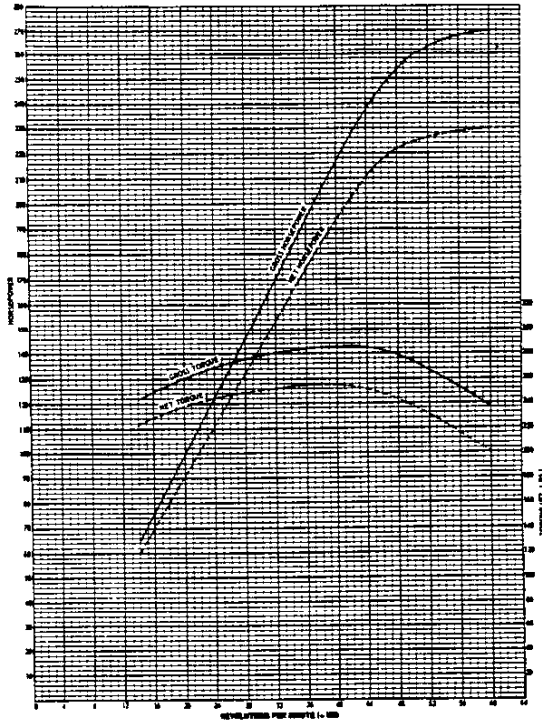
The engine performance curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60°F.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust

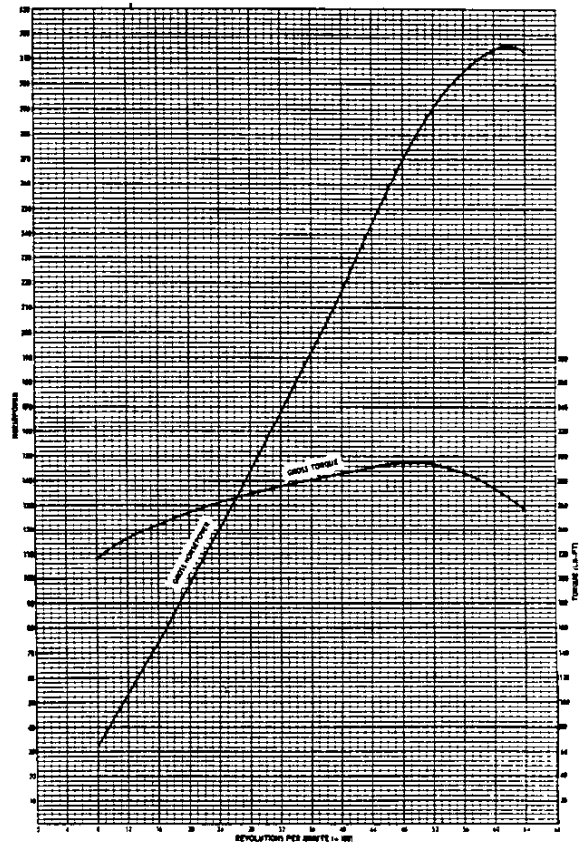
system, no fan, generator not charging, optimum spark advance, and optimum fuel setting. •

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle, except the generator is not charging.

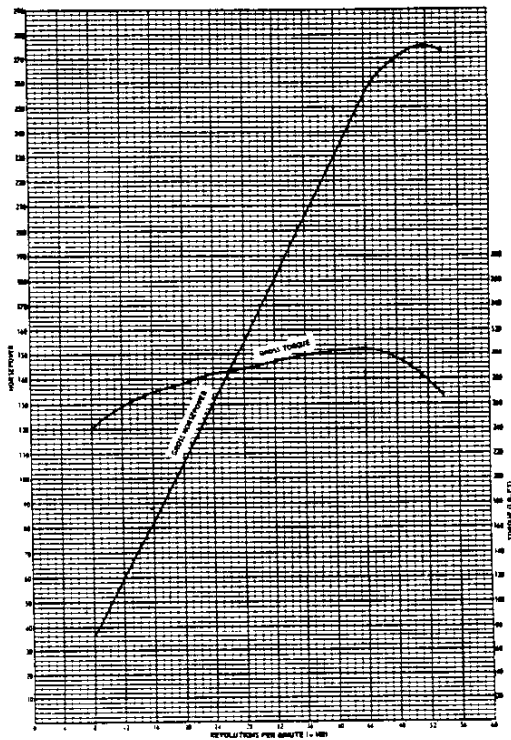
**CORVETTE 283 CUBIC INCH V-8 ENGINE**  
 Dual 4-barrel Carburetors and Special Camshaft -  
 Engine Test Report 17697-25



**CORVETTE 283 CUBIC INCH V-8 ENGINE**  
 Ramjet Fuel Injection and Special Camshaft -  
 Engine Test Report 18004-28



**CORVETTE 283 CUBIC INCH V-8 ENGINE**  
 Ramjet Fuel Injection - Engine Test Report 18004-46B



# CORVETTE 283 CUBIC INCH V-8 ENGINE - Cont'd.

## CORVETTE V-8 ENGINE WITH STANDARD 4-BARREL CARBURETOR

Same as Super Turbo-Fire passenger car V-8 engine  
Power Trains, except for following differences:

FAN AND GENERATOR BELT  
Pitch Line Length ----- 55.40

FAN BLADE  
Diameter ----- 17.12

RADIATOR CAP  
Type ----- Pressure  
Valve Opens @ ----- 6.25-7.75 PSI

GENERATOR  
Model ----- 1102043

IGNITION COIL  
Model ----- 1115091

CLUTCH HOUSING  
Material ----- Aluminum

CLUTCH  
Type ----- Semi-centrifugal, coil spring  
Number of Coil Springs ----- 9  
Spring Pressure (Lb) ----- 1620 initial  
Drive ----- Lug  
OD x ID ----- 10:0" x 6.5" •  
Lining Area (Sq In) ----- 90.72  
Rated Torque Capacity (Lb Ft) ----- 326

\* - Soft top cannot be lowered into top well

OIL PAN CAPACITY (quarts)  
Less Filter ----- 5.0

AIR CLEANER  
Type ----- Oil wetted  
Filter Element ----- Aluminum wire

GAS TANK  
Capacity (gallons) ----- 16.4  
Filler Location ----- In body left side,  
to rear of driver's door.

GAS TANK (LPO 1625)  
Application ----- Hardtop models only\*  
Material ----- Fiberglass  
Capacity (Gal) ----- 24.0

EXHAUST SYSTEM  
Type ----- Dual, diffusion and  
resonance, reverse flow.

COOLING SYSTEM  
Radiator  
Make ----- Harrison  
Type ----- Cellular  
Size ----- .20 x .56 x 2.0  
Frontal Area (Sq In) ----- 340  
Capacity (quarts)  
Without heater ----- 15.5  
With heater ----- 16.5

**CORVETTE V-8 ENGINE  
WITH DUAL 4-BARREL CARBURETOR**

Same as for Corvette 4-barrel carburetor version except for the following differences:

**MAIN BEARINGS (special camshaft)**  
Material, #1-4 ----- Premium, aluminum

**CONNECTING ROD BEARINGS (special camshaft)**  
Material ----- Premium, aluminum

**CAMSHAFT, SPECIAL (optional)**  
Ramp, Inlet Opening and closing ---- .0067, 18° long  
Ramp, Exhaust Opening and closing - .0107, 29° long  
Tappet Lift, Inlet ----- .2625  
Exhaust ----- .2665  
Valve Lift, Inlet ----- .39375  
Exhaust ----- .39975  
Valve Lash, Inlet (engine hot) ----- .012  
Exhaust ----- .018  
Timing Diagram Data  
Inlet Opens ----- 35°BTC  
Closes ----- 72°ABC  
Exhaust Opens ----- 76°BBC  
Closes ----- 31°ATC

**VALVES (special camshaft)**  
Inlet Overall length ----- 4.870-4.890  
Exhaust Overall length ----- 4.891-4.911

**VALVE LIFTERS (special camshaft)**  
Type ----- Mechanical

**OIL CONTROL RINGS (special camshaft)**  
Material ----- Cast alloy iron  
Width ----- .1860-.1865  
Gap ----- .010-.020  
Wall thickness ----- .152-.158

**INLET MANIFOLD**  
Material ----- Aluminum

**MUFFLER (special camshaft)**  
Type ----- Dual, straight through

**CARBURETOR**  
Make ----- Carter  
Type ----- 4-barrel, downdraft  
Model  
Regular camshaft  
Front ----- 3744002  
Rear ----- 3744004  
Special camshaft  
Front ----- 3741089  
Rear ----- 3741090

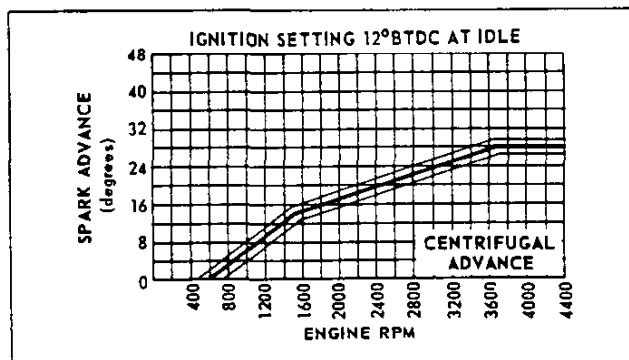
Venturi ID  
Primary ----- 1.13  
Secondary ----- 0.74  
Throttle Bore ----- 1.31  
SAE Flange Size ----- 1.25  
Stud Centers ----- 5.62 x 4.25

**RADIATOR (special camshaft)**  
Make ----- Harrison  
Type ----- Cross flow  
Material ----- Aluminum  
Core Constant and Thickness ----- .18 x .55B x 2.88  
Frontal Area (Sq In) ----- 316.54

**RADIATOR CAP (special camshaft)**  
Type ----- Pressure  
Valve Opens@ ----- 13 PSI

**IGNITION TIMING**  
Crankshaft Degrees (initial setting) ----- 12°BTC

**DISTRIBUTOR**  
Make ----- Delco-Remy  
Model ----- 1110891  
Breaker Points ----- Dual  
Cam Angle (per breaker) ----- 23.51°  
Total Cam Angle (both breakers) ----- 33.51°  
Centrifugal Spark Adv Begins ----- 600 RPM  
Max degrees @ RPM ----- 28 @ 3700  
Vacuum Advance ----- None





# CORVETTE 283 CUBIC INCH V-8 ENGINE - Cont'd.

## FUEL INJECTION

Same as Corvette 4-barrel engine except for the following differences.

### CYLINDER HEADS

Material ----- Aluminum

### MAIN BEARINGS (special cam)

Material, #1-4 ----- Premium, aluminum

### CONNECTING RODS BEARINGS (special cam)

Material ----- Premium, aluminum

### VALVE MECHANISM (special cam)

Type ----- Mechanical  
Valve Lash, Inlet ----- .012  
Exhaust ----- .018

### VALVES (special cam) \*

Inlet, Overall Length ----- 4.870-4.890  
Overall Head Diameter ----- 1.935-1.945  
Lift ----- .39375  
Exhaust, Overall Length ----- 4.891-4.911  
Lift ----- .39975

### TIMING DIAGRAM DATA (special cam)

Inlet Valve Opens - BTC ----- 35°  
Closes - ABC ----- 72°  
Exhaust Valve Opens - BBC ----- 76°  
Closes - ATC ----- 31°  
Inlet Ramp ----- .0067, 18°  
Exhaust Ramp ----- .0107, 29°  
Tappet Lift, Inlet ----- .2625  
Exhaust ----- .2665

### PISTONS

Type, Head ----- Modified dome, notched  
Skirt Clearance ----- .0016-.0020  
Weight (oz) ----- 21.12

### COMPRESSION RINGS (special cam)

Upper Coating ----- .004-.007 chrome plating  
Width ----- .0770-.0780

### OIL CONTROL RINGS

Material ----- Cast alloy iron  
Width ----- .1860-.1865  
Gap ----- .010-.020  
Wall Thickness ----- .152-.158

### AIR CLEANER

Location ----- On radiator bulkhead  
Air Intake Duct ----- Channel air from air cleaner to  
air meter adapter

### FUEL INJECTION SYSTEM

Make ----- Rochester Products  
Type ----- Constant flow  
Model ----- 7017310

### FUEL INJECTION SYSTEM (special camshaft)

Model ----- 7017320

### AIR INDUCTION

Air Meter Location ----- Left side of engine  
Plenum Chamber Location ----- Integral with  
intake manifold  
Ram Pipes, No of ----- Eight  
Location ----- Integral with intake manifold  
Length ----- 12"

### AIR/FUEL RATIO CONTROL

Type ----- Vacuum sensitive diaphragm  
Location ----- On fuel meter assembly

### FUEL METER PUMP

Type ----- Gear  
Drive ----- Gear driven by flexible shaft  
from distributor

### INJECTION NOZZLES

Number ----- Eight  
Material ----- Brass  
Location ----- On inlet manifold above intake ports  
Fuel Orifice Size ----- .0118  
Insulation ----- Bakelite block

### AUTOMATIC ENRICHMENT

Type ----- Electric, time-temperature  
Location ----- On air meter assembly  
Current Draw ----- 1 amp @ 70°F

### INLET MANIFOLD

Type ----- One-piece construction  
Material ----- Cast aluminum

### INLET MANIFOLD ADAPTER

Material ----- Cast aluminum

### FUEL FILTER

Make ----- AC  
Model ----- GF-43  
Element ----- Paper  
Location ----- On engine top cover

### MUFFLER (special camshaft)

Type ----- Dual, straight through

\* - Complete head and face have .0002-.0010 aluminized coating

October 1959

FUEL INJECTION - Continued

RADIATOR (special camshaft)  
 Make ----- Harrison  
 Type ----- Cross flow  
 Material ----- Aluminum  
 Core Constant and Thickness ----- .18 x .55 B x 2.88  
 Frontal Area (Sq In) ----- 316.54  
 RADIATOR CAP (special camshaft)  
 Type ----- Pressure  
 Valve Opens@ ----- 13 PSI

RADIATOR HOSE  
 Inlet, Type ----- Compound curve

FAN AND GENERATOR BELT  
 Pitch Line Length ----- 56.00

GENERATOR (special cam)  
 Model ----- 1102173  
 Pulley Size (PD) ----- 4.00  
 Gen RPM/MPH ----- Approx 78  
 Max Gen Output RPM (hot) ----- 2750  
 Eng RPM @ Max Gen Output ----- 1655  
 Ratio(Gen to engine RPM) ----- 1.66:1  
 Rating (amperes) ----- 35

COIL  
 Model ----- 1115107

IGNITION DISTRIBUTOR  
 Model ----- 1110915  
 Vacuum Advance, Maximum ----- 24°@ 13.5" Hg

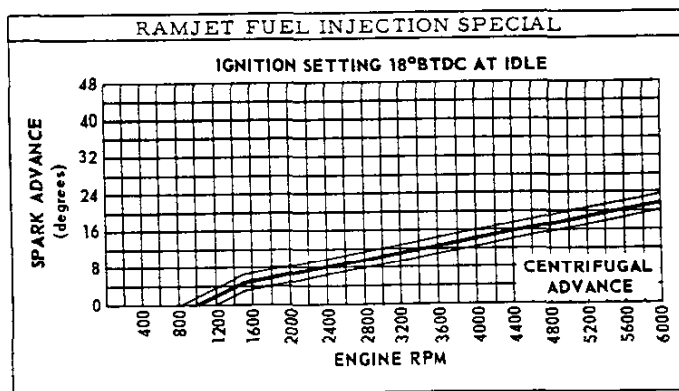
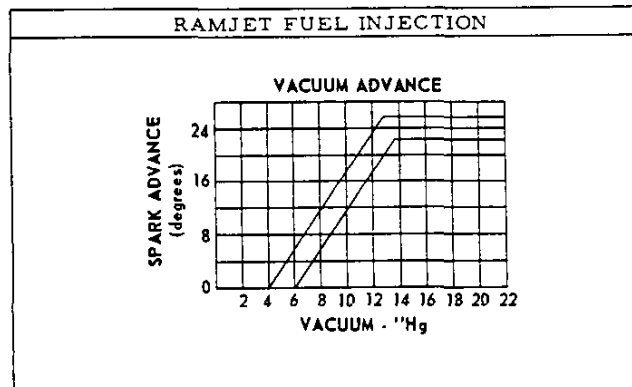
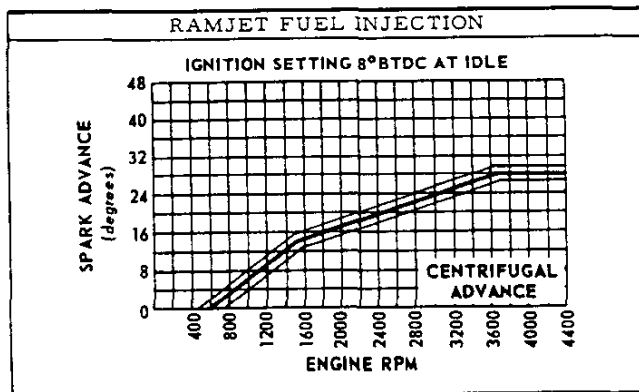
IGNITION DISTRIBUTOR (special camshaft)  
 Model ----- 1110914  
 Centrifugal Spark Advance (begins-rpm) ----- 1000  
 Maximum degrees @ rpm ----- 22 @ 6000  
 Vacuum Advance ----- None  
 Breakers, Type ----- Dual  
 Cam Angle (per breaker) ----- 29°10'  
 Total Cam Angle (both breakers) ----- 33°10'

VOLTAGE AND CURRENT REGULATOR (special cam)  
 Model ----- 1119002  
 Amperes ----- 33-37

IGNITION TIMING (regular camshaft)  
 Crankshaft Degrees (initial setting) ----- 8°BTC

IGNITION TIMING (special camshaft)  
 Crankshaft Degrees (initial setting) ----- 18°BTC

SPARK PLUGS  
 Model ----- 44-FF  
 Gap ----- .035



# TRANSMISSIONS

## 3-SPEED (STANDARD)

3-speed is same as passenger car shown in Power Train Section, except for the following differences:

### GEAR RATIOS

First .....	2.21:1
Second .....	1.32:1
Third .....	1.00:1
Reverse .....	2.51:1

### GEARSHIFT

Location .....	On floor
----------------	----------

## 4-SPEED (RPO 685)

4-speed is same as passenger car shown in Power Train Section, except for the following differences:

### REVERSE INHIBITOR

Type .....	Positive, Manually controlled
Operation .....	Lift "T" handle allowing selector lever to enter reverse gate.

### SPEEDOMETER GEARS (3 and 4-speed)

Drive Gear Teeth .....	8
Driven Gear Teeth .....	22
Normal Tooth Pitch .....	30

## POWERGLIDE (RPO 313)\*

Powerglide is same as passenger car shown in Power Train Section, except for the following differences:

### SELECTOR LEVER

Location .....	Floor mounted
----------------	---------------

### SPEEDOMETER GEARS

Drive Gear Teeth .....	8
Driven Gear Teeth .....	21
Normal Tooth Pitch .....	30

\* - Used only in conjunction with 4-bbl and 2 x 4-bbl (regular camshaft) engines

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# 1960 CORVETTE

Production: 10,261 convertibles

## 1960 NUMBERS

**Vehicle:** 00867S100001 through 00867S110261

**Suffix:** CQ: 283ci, 230hp, mt      CU: 283ci, 270hp, mt  
CR: 283ci, 250hp, mt      DG: 283ci, 230hp, at  
CS: 283ci, 290hp, mt      DJ: 283ci, 245hp, at  
CT: 283ci, 245hp, mt

• Suffix codes CY (283ci, 275hp) and CZ (283ci, 315hp) were assigned to aluminum-head versions of two fuel injected engines for 1960. Aluminum heads definitely exist, but delivery of a 1960 Corvette with factory-installed aluminum heads to a retail customer has not been confirmed.

**Block:** 3756519: All

**Head:** 3774692: All

**Carburetor:** Carter 2613S #3741089: 283ci, 270hp, fc  
Carter 2614S #3741090: 283ci, 270hp, rc  
Carter 2626S #3744002: 283ci, 245hp, fc  
Carter 2627S #3744004: 283ci, 245hp, rc  
Carter 2818S #3756676: 283ci, 230hp, fd  
Carter 3059S #3779178: 283ci, 230hp, sd

**Fuel Injection:** Rochester 7017200: 283ci, 250hp  
Rochester 7017250: 283ci, 290hp  
Rochester 7017300: 283ci, 290hp  
Rochester 7017310: 283ci, 250hp  
Rochester 7017320: 283ci, 290hp

**Distributor:** 1110891: 283ci, 245hp, 270hp      1110915: 283ci, 250hp  
1110914: 283ci, 290hp      1110946: 283ci, 230hp

**Generator:** 1102043: 283ci, 230hp, 245hp, 250hp, 270hp  
1102173: 283ci, 290hp

**Ending Vehicle:** Oct 59: 101168      Feb 60: 104360      Jun 60: 109149  
Nov 59: 101454      Mar 60: 105711      Jul 60: 109846  
Dec 59: 102059      Apr 60: 107011      Aug 60: 110261  
Jan 60: 103158      May 60: 108167

**Abbreviations:** at=automatic transmission, ci=cubic inch, fc=front carburetor, fd=first design, hp=horsepower, mt=manual transmission, rc=rear carburetor, sd=second design.

## 1960 FACTS

- The 1960 exterior appearance continued the smooth-contoured look of the previous years, and the 1960 Corvette was the last to feature taillights formed into the rounded rear fenders. It was also the last with heavy "teeth" in the grill.
- Aluminum radiators (with top tanks) appeared first in 1960 Corvettes, but use in 1960 was limited to 270hp and 290hp engines.
- All 1960 fuel injected engines required manual transmissions. Previously, automatic transmissions could be combined with the lower-horsepower fuel injected engines.
- The base 230hp engines had painted steel valve covers. All optional engines had seven-fin cast alloy valve covers. All covers had straight-across mounting holes and all attached with Phillips-head screws.
- Windshield washer reservoirs mounted on the left side, except for fuel injected engines. For fuel injected engines, reservoirs were mounted on the right side and were protected by heat shields.



## 1960 OPTIONS

CODE	DESCRIPTION	QTY	RETAIL \$
867	Base Corvette Convertible .....	10,261	\$3,872.00
101	Heater .....	9,808	102.25
102	AM Radio, signal seeking .....	8,166	137.75
107	Parking Brake Alarm .....	4,051	5.40
108	Courtesy Light .....	6,774	6.50
109	Windshield Washers .....	7,205	16.15
121	Temperature Controlled Radiator Fan .....	2,711	21.55
261	Sunshades .....	5,276	10.80
276	Wheels, 15x5.5 (5) .....	246	0.00
290	Whitewall Tires, 6.70x15 .....	9,104	31.55
313	Powerglide Automatic Transmission .....	1,766	199.10
419	Auxiliary Hardtop .....	5,147	236.75
426	Power Windows .....	544	59.20
440	Two-Tone Exterior Paint .....	3,309	16.15
469	283ci, 245hp Engine (2x4 carburetors) .....	1,211	150.65
469C	283ci, 270hp Engine (2x4 carburetors) .....	2,364	182.95
473	Power Operated Folding Top .....	512	139.90
579	283ci, 250hp Engine (fuel injection) .....	100	484.20
579D	283ci, 290hp Engine (fuel injection) .....	759	484.20
675	Positraction Rear Axle .....	5,231	43.05
685	4-Speed Manual Transmission .....	5,328	188.30
686	Metallic Brakes .....	920	26.90
687	Heavy Duty Brakes and Steering .....	119	333.60
1408	Blackwall Tires, 6.70x15 nylon .....	—	15.75
1625A	24 Gallon Fuel Tank .....	—	161.40

• A 283ci, 230hp engine, 3-speed manual transmission, vinyl interior trim, and a soft top were included in the base price.

• RPO 687 included special front and rear shocks, air scoops/deflectors for front brakes and air scoops for rear brakes, metallic brake facings, finned brake drums with cooling fans, and quick-steering adaptor. RPO 469C or RPO 579D, RPO 675, and manual transmission were required.

• RPO 276 included hubcaps (small) in lieu of standard wheel discs.

• LPO 1625A (24 gallon fuel tank) required hardtop without soft top because the tank occupied part of the folding top storage area.

• The 5,147 RPO-419 (auxiliary hardtop) quantity included 1,641 in lieu of soft tops at no charge.

• RPO 675 (Positraction) required manual transmission.

## 1960 COLORS

EXTERIOR	QTY	SOFT TOP	WHEELS	INTERIOR
Tuxedo Black .....	1,268	B-Bk-W	Black	B-Bk-R-T
Tasco Turquoise .....	635	B-Bk-W	Turquoise	Bk-T
Horizon Blue .....	766	B-Bk-W	Blue	B-Bk-R
Honduras Maroon .....	1,202	Bk-W	Maroon	Bk
Roman Red .....	1,529	Bk-W	Red	Bk-R
Ermine White .....	3,717	B-Bk-W	White	B-Bk-R-T
Sateen Silver .....	989	B-Bk-W	Silver	B-Bk-R-T
Cascade Green .....	140	B-Bk-W	Green	Bk

• Suggested interiors shown. Other combinations were possible.

• Interiors and exteriors were not coded to individual cars.

• The number of interiors sold in 1960 are 3,231 black; 4,920 red; 1,078 turquoise; 1,032 blue.

• The 3,309 quantity for code 440 two-tone paint (contrasting cove) was split 779 Roman Red/white; 572 Honduras Maroon/white; 488 Ermine White/silver; 383 Tasco Turquoise/white; 368 Tuxedo Black/silver; 359 Horizon Blue/white; 280 Sateen Silver/white; 65 Cascade Green/white. Fifteen were a non-standard color, combination, or primer.

• Data suggests all soft top colors were available with all exteriors.

• Blue soft tops were a lighter shade than blue (or blue/gray) interiors.

• Cascade Green was metallic and different than 1956-57 Cascade Green.

**Abbreviations:** B=Blue, Bk=Black, R=Red, T=Turquoise, W=White.



# AMA Specifications – Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

**MAKE OF CAR**    **CHEVROLET**                      **MODEL YEAR** 1960    **DATE ISSUED** 10-2-59 **REVISED** 12-1-59

**COMPANY**    Chevrolet Motor Division, General Motors Corporation

<u>MODEL NAME</u>	<u>SYMBOL</u>
Corvette	867

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**NOTES:**

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. **UNLESS OTHERWISE INDICATED:**
  - a. Specifications apply to the standard model without optional equipment. Significant deviations are noted.
  - b. Specifications apply basically to 4-door sedan or equivalent.
  - c. Nominal design dimensions are used throughout these specifications.

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

<b>MODEL</b>	<b>Additional Information Page No.</b>	<b>Corvette</b>
Wheelbase (L-101)	23	102.0
Tread	Front (W-101)	57.0
	Rear (W-102)	59.0
Maximum Overall Dimensions	Length (L-103)	177.2
	Width (W-103)	72.8
	Height (H-101)	51.6
Transmission- (Specify trade name - opt., not available)	Manual	3-speed (standard); 4-speed (optional)
	Overdrive	None
	Automatic	Powerglide (optional)
Axle ratio	Manual	3.70:1
	Overdrive	None
	Automatic	3.55:1
Tire size	16	6.70x15-4 pr
Engine	Type, no. cyl., valve arr.	90° V-8, OHV
	Fuel system (Carb. or Ing.)	Carburetor
	Bore and stroke	3.875x3.000
	Piston displ., cu. in.	283.0
	Std. compression ratio	9.5:1
	Max. bhp at engine rpm	230 @ 4800
	Max. torque at rpm	300 @ 3000

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVROLET	MODEL YEAR	1960	DATE ISSUED	10-2-59	REVISED	
MODEL	Corvette						
	4-barrel		Dual 4-bbl.			Fuel Injection	
		Reg. cam	Spec. cam	Reg. cam	Spec. cam		

## ENGINE—GENERAL

Type, no. cyls., valve arr.		90° V-8, OHV				
Bore and stroke		3.875x3.000				
Piston displacement, cu. in.		283.0				
Bore spacing (C/L to C/L)		4.4				
No. system (front to rear)	L. Bank	1-3-5-7				
	R. Bank	2-4-6-8				
Firing order		1-8-4-3-6-5-7-2				
Compres. ratio (nominal)	Standard	9.5:1	None			
	Optional	None	9.5:1	11.0:1		
Cylinder Head		Cast alloy iron				
Material		Cast aluminum alloy (Fuel Injection)				
Cylinder Sleeve -Wet, dry, none		None				
Number of mounting points	Front	Two				
	Rear	One				
Engine installation angle		1°				
Taxable horsepower	Dia. <sup>2</sup> x No. Cyl. 2.5	48.0				
Published max. bhp at engine RPM*	Standard	230 @ 4800				
	Optional	None	245 @ 5000	270 @ 6000	275 @ 5200	315 @ 6200
Published max. torque* (lb. ft. @ RPM)	Standard	300 @ 3000				
	Optional	None	300 @ 3800	285 @ 4200	305 @ 4400	295 @ 47-5100
Recommended fuel	Standard	Premium				
regular - premium	Optional	Premium				
Recommended idle speed (neutral)		475 (3-speed); 475 (automatic)*				

## ENGINE—PISTONS

Material	Cast aluminum alloy				
Description and finish	Flat head, slipper skirt autothermic having machined relief for valve clearance (a)				
Weight (piston only) oz.	20.40			21.12	

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

(Continued)

Rev. Form 3-5

(a) Modified dome having machined relief for valve clearance with fuel injection.

\* Automatic in drive.

## AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

### POWER TEAMS

(Indicate whether standard or optional)

SERIES	ENGINE				TRANSMISSION	AXLE RATIO (Std. first)	
	Displacement	Carburetor	Compression Ratio	BHP			
Corvette 867	283	4-bbl. (Std)	9.5:1	230@ 4800	3-speed	3.70* (Std) 4.11* 4.56*	
					4-speed		
						Powerglide	3.55 (Std)
						3-speed	3.70* (Std) 4.11* 4.56*
						4-speed	
						Powerglide	3.55 (Std)
					3-speed	3.70* (Std) 4.11* 4.56*	
					4-speed		
		2x4-bbl. (spec. cam) (Opt)	9.5:1	270 @ 6000			
		Fuel Inj. (Opt)	11.0:1	275 @ 5200	3-speed 4-speed	3.70* (Std) 4.11* 4.56*	
		Fuel Inj. (spec. cam) (Opt)	11.0:1	315 @ 6200	3-speed 4-speed	3.70* (Std) 4.11* 4.56*	

(\* Standard ratio available with standard or limited-slip axle; optional ratios available with limited-slip axle only.





# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVROLET      **MODEL YEAR** 1960      **DATE ISSUED** 10-2-59 **REVISED**  
2x4-bbl.      Fuel Injection  
**MODEL** Corvette      4-barrel      Reg. cam      Spec. cam      Reg. cam      Spec. car

## ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.035-.043
	Skirt	Top	.0016-.0020
		Bottom	
Ring groove depth	No. 1 ring		.2153-.2218
	No. 2 ring		.2153-.2218
	No. 3 ring		.2053-.2158
	No. 4 ring		None

## ENGINE-RINGS

Function (top to bottom)	No. 1, oil or comp.		Compression
	No. 2, oil or comp.		Compression
	No. 3, oil or comp.		Oil control
	No. 4, oil or comp.		None
Compression	Description - material, type, coating, etc.	Inside bevel, cast alloy iron, chrome plated OD	
	Width	.0775-.0780 <sup>upper</sup> <del>upper</del> <sup>upper</sup> .0770-.0780 <sup>(c)</sup> <del>lower</del> .0770-.0775	
	Gap	.010-.020	
Oil	Description - material, type, coating, etc.	Steel rails (a)	Cast alloy iron
		Multi-piece Chrome plated OD	
	Width	.187-.189	.1860-.1865
	Gap	.015-.055	.010-.020
Expanders	In oil ring assembly		

## ENGINE-PISTON PINS

Material		Chromium steel	
Length		2.990-3.010	
Diameter		.9270-.9273	
Type	Locked in rod, in piston, floating, etc.	Pressed in rod	
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston	.00015-.00025	
	In rod	None	
Direction & amount offset in piston		Major thrust side - .060	

## ENGINE-CONNECTING RODS

Material		Drop forged steel
Weight (oz.)		19.02
Length (center to center)		5.699-5.701
Bearing	Material & Type	Extra-life steel backed babbitt - removable (b)
	Overall length	.817
	Clearance (limits)	.0007-.0027
	End play	.008-.014

(a) Stainless steel spacers.

(b) With special camshaft, premium aluminum bearings.

(c) Upper flash chrome plate.

(d) Upper .004-.007 chrome plate.

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_  
2x4-bbl. Fuel Injection  
 MODEL Corvette 4-barrel Reg. cam Spec. cam Reg. cam Spec. ca:

## ENGINE—CRANKSHAFT

Material		Forged steel		
Vibration damper type		Inertia, rubber mounted		
End thrust taken by bearing (No.)		5		
Crankshaft end play		.002-.006		
Main bearing	Material & type		Extra-life steel backed babbitt - removable (a)	
	Clearance		.0008-.0034	
	Journal dia. and bearing overall length	No. 1	2.2983x.762	
		No. 2	2.2983x.762	
		No. 3	2.2983x.762	
		No. 4	2.2983x.762	
		No. .	2.2983x1.169	
No. 6	None			
No. 7	None			
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		1.999-2.000		

## ENGINE—CAMSHAFT

Location		Above crankshaft		
Material		Cast alloy iron		
Bearings	Material	Extra-life steel backed babbitt		
	Number	5		
Type of Drive	Gear or chain		Chain	
	Crankshaft gear or sprocket material		Steel	
	Camshaft gear or sprocket material		Cast alloy iron	
	Timing chain	No. of links	46	
		Width	.875	
Pitch		.500		

## ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard	Mech.	Standard	Mech.
Valve rotator, type (Intake, exhaust)		None			
Rocker ratio		1.5:1			
Operating tappet clearance (Indicate hot or cold)	Intake	Zero	.012 (hot)	Zero	.012 (ho
	Exhaust	Zero	.018 (hot)	Zero	.018 (ho
Timing marks on flywheel, damper, other		Damper			

(a) With special camshaft, #1 thru #4 are premium aluminum bearings.

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_  
 MODEL Corvette 4-barrel Dual 4-bbl. Fuel Injection  
Reg. cam Spec. cam Reg. cam Spec. cam

## ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	12°30'	35	12°30'	35	
		Closes (°ABC)	57°30'	72	57°30'	72	
		Duration - deg.	250	287	250	287	
	Exhaust	Opens (°BBC)	54°30'	76	54°30'	76	
		Closes (°ATC)	15°30'	31	15°30'	31	
		Duration - deg.	250	287	250	287	
Valve opening overlap		28°	66°	28°	66°		
Intake	Material		High alloy steel				
	Overall length		4.902-4.922	4.870-4.890	4.902-4.922	4.870-4.890	
	Actual overall head dia.		1.715-1.725				
	Angle of seat & face		46° and 45°				
	Seat insert material		None				
	Stem diameter		.3415-.3422				
	Stem to guide clearance		.0010-.0027				
	Lift		.3987	.394	.3987	.394	
	Outer spring press. and length	Valve closed (lb. @ in.)	69-79@1.696				
		Valve open (lb. @ in.)	159-169@1.306				
	Inner spring press. and length	Valve closed (lb. @ in.)	Valve spring damper 5-10 lb.				
		Valve open (lb. @ in.)					
	Exhaust	Material		High alloy steel			
		Overall length		4.913-4.933	4.891-4.911	4.913-4.933	4.891-4.911
Actual overall head dia.		1.495-1.505					
Angle of seat & face		46° and 45°					
Seat insert material		None					
Stem diameter		.3410-.3417					
Stem to guide clearance		.0015-.0032					
Lift		.3987	.400	.3987	.400		
Outer spring press. and length		Valve closed (lb. @ in.)	69-79@1.696				
		Valve open (lb. @ in.)	159-169@1.306				
Inner spring press. and length		Valve closed (lb. @ in.)	Valve spring damper 5-10 lb.				
		Valve open (lb. @ in.)					

## ENGINE—LUBRICATION SYSTEM

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

(Continued)

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_  
 MODEL Corvette 4-barrel Dual 4-barrel  
Reg. cam Spec. cam

## ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type		Gear
Normal oil pressure (lb. @ engine rpm)		35@2000
Oil pressure sending unit (elect. or mech.)		Electric
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, partial, etc.)		Full flow
Filter replacement (element, complete)		Element
Capacity of crankcase, less filter-refill (qts.)		5.0
Oil grade recommended (SAE viscosity and temperature range)	32° - 40° F - SAE 20W, SAE 20, SAE 10W-30 0° F and below - SAE 10W, SAE 10W-30 Below 0° F - SAE 5W, SAE 5W-20 Sustained high speed over 90° F - SAE 30 may be used	
Engine Service Requirement (MM, MS, etc.)		MS or DG

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two	Reverse flow; straight thru with special cams
Exhaust pipe dia. (O.D.) wall thickness	Branch	None
	Main	2.0x.0625
Tail pipe diameter (O.D. & wall thickness)		1.87x.0598

## ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor (Fuel Injection optional) (a)	
Fuel Tank	Capacity (gals.)	16.4 (b)	
	Filler location	Rear of left door opening	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front corner of engine	
	Pressure range	5.25-6.50	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Sintered bronze	
	Locations	Carburetor inlet	
Carburetor	Make	Carter	
	Model	Front (e)	3744002      3741089
		Rear (c)	3744004      3741090
	Number of carbs., bbls. per carb. & type	One, 4-bbl., downdraft	Two, 4-bbl., downdraft
	Barrel size		1.3125
Choke type		Automatic	
Intake manifold heat control (exhaust or water)		Exhaust	
Air clnr. type	Standard	Oil wetted	
	Optional	Paper element (Fuel Injection)	

(a) See Supplement to Page 6 for details of Fuel Injection.

(b) 24.0 gallon; fiberglass material; for use with hardtop models (soft tops cannot be lowered into top well) (LPO 1625)

(c) Apply to Dual 4-bbl carburetors only.

# AMA Specifications -- Passenger Car

Supplement to Page 5

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

## SUPPLEMENTARY INFORMATION

### Engine Fuel System - Fuel Injection

MODEL Corvette

Injection System	Make	Rochester Products
	Model	7017310 (b)
	Type	Constant flow
Fuel Recommended		Premium
Fuel Pump	Type	Mechanical
	Location	Lower right front corner of engine
	Pressure range	5.25-6.50 psi
Auxiliary Fuel Filter	Type	Paper filter
	Location	Bracket to engine adapter on right, rear of center
Inlet Manifold Adapter - Material		Cast aluminum
Inlet Manifold - Material		Cast aluminum
Air Induction (a)	Air cleaner type	Dry (paper element)
	Air meter location	Left side of engine
	Plenum chamber	Integral with inlet manifold
	Ram pipes	Eight, integral with inlet manifold
	Ram pipe length	12 inches
Fuel Induction		Metered as function of air flow
Air/Fuel Ratio Control	Type	Vacuum sensitive diaphragm
	Location	On fuel meter
Fuel Meter Pump	Type	Gear
	Location	In fuel meter assembly
	Drive	Flexible shaft from distributor
	Pressure (max.)	300 psi
Injection Nozzles	Number used	Eight
	Material	Brass
	Location	Mounted on inlet manifold above inlet ports
	Orifice size, fuel	.0118
	Insulation	Bakelite blocks
Automatic Enrichment	Type	Electric, time-temperature
	Location	On air meter assembly
	Current draw	1 amp @ 70°
	Fast idle cam	Yes

(a) Air intake ducts which channel outside air to engine compartment are provided with Fuel Injection.

(b) 7017320 with special camshaft.

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# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

MODEL Corvette

## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		<b>Pressure</b>	
Radiator cap relief valve pressure		<b>6.25-7.75 psi</b>	
Circulation thermostat	Type (choke, bypass)	<b>Bypass</b>	
	Starts to open at (°F)	<b>160</b>	
Water pump	Type (centrifugal, other)	<b>Centrifugal</b>	
	Number of pumps	<b>One</b>	
	Drive (V-belt, other)	<b>V-belt</b>	
	Bearing type	<b>Double row ball</b>	
By-pass recirculation type (Internal, external)		<b>Internal</b>	
Radiator core type (cellular, tube and fin, other)		<b>Cellular (c)</b>	
Cooling system capacity	With heater (qt.)	<b>16.5</b>	
	Without heater (qt.)	<b>15.5</b>	
	Opt. equipment-specify (qt.)	<b>None</b>	
Water jackets full length of cylinder (yes, no)		<b>Yes</b>	
Water all around cylinder (yes, no)		<b>Yes</b>	
Radiator hose	Lower	Number and type (molded, straight)	<b>One, molded</b>
		Inside diameter	<b>1.75</b>
	Upper	Number and type (molded, straight)	<b>One, molded</b>
		Inside diameter	<b>1.50</b>
	By-pass	Number and type (molded, straight)	<b>None</b>
		Inside diameter	<b>—</b>
Fan	Number of blades & Spacing		<b>Four, staggered</b>
	Diameter		<b>17.12</b>
	Ratio-fan to crankshaft rev.		<b>.949:1</b>
	Fan cutout type		<b>Optional (a)</b>
	Bearing type		<b>Double row ball</b>
* Drive belts (indicate belt used by letter)	Fan		<b>A</b>
	Generator		<b>A</b>
	Water Pump		<b>A</b>
	Power Steering		<b>None</b>
	Air Conditioning		<b>None</b>

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* Drive Belt Dimensions	<b>A</b>
Angle of V	<b>37-44°</b>
Nominal length (SAE)	<b>55.40 (b)</b>
Width	<b>.380 ± .005</b>

- (a) Viscous coupling, 5-blade, 17.12" dia. fan, fan speed limited to 3100 rpm.
- (b) Pitch length.
- (c) Aluminum cross flow (drawn cup construction) radiator and 13 psi radiator cap used with special camshaft engines.



# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_  
 MODEL Corvette 4-barrel 2x4-bbl. Fuel Injection  
Reg. cam Spec. cam

## ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco, 1980458	
	Voltage Rtg. & Total Plates		12 volts, 54 plate	
	SAE Designation & Amp Hr. Rtg		2SMR, 53 amp. hr. @ 20 hr. rate	
	Location		Right rear side of engine compartment	
	Terminal grounded		Negative	
Generator	Make		Delco Remy	
	Model		1102043	1102173
	Type		Two brush, shunt wound	
	Ratio—Gen. to Cr/s rev.		2.0:1	1.66:1
	Gen. cut-in (hot)—engine rpm		620	745
Regulator	Make		Delco Remy	
	Model		1119001	1119002
	Type		Vibrator	
	Cutout relay	Closing voltage @ generator rpm	11.8-13.5@1300	
		Reverse current to open		
	Regu-lated	Voltage	13.8-14.8	
		Current	27-33	33-37
	Voltage test con-ditions	Temperature	Operating	
Load		10 amps. max.		
Other		None		

## ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco Remy	
	Model		1107664	
	Rotation (drive end view)		Clockwise	
	Engine cranking speed			
	Test conditions		Engine at operating temperature	
	Lock test	Amps		
		Volts		
		Torque (lb. ft.)		
	No load test	Amps	75 (max.)	
		Volts	10.3	
RPM (min.)		6900		
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		3 and 4-speed, depress clutch and shift into neutral; Powerglide - place selector lever in "N" (Neutral) or "P" (Park). Depress accelerator pedal to floorboard to set automatic choke, release. Turn ignition to extreme right to engage starting motor.	

# AMA Specifications – Passenger Car

MAKE OF CAR	CHEVROLET	MODEL YEAR	1960	DATE ISSUED	10-2-59	REVISED	
MODEL	Corvette	4-bbl	Dual 4-bbl	Fuel Injection	Reg cam	Spec cam	

## 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	.4135			

## ELECTRICAL—IGNITION SYSTEM

Coil	Make	Delco Remy				
	Model	1115091		1115107		
	Amps	Engine stopped	4.0			
Engine idling		1.8				
Distributor	Make	Delco Remy				
	Model	1110946	1110891(a)	1110915	1110914(a)	
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0 @ 600			0 @ 1000
		Intermediate points deg. @ rpm	14 @ 1500			5 @ 1500
		Max deg. @ rpm	28 @ 3700			22 @ 6000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0 @ 8	None	0 @ 4.75	None
		Intermediate points, deg @ in Hg	None			None
		Max. deg. in. Hg.	15 @ 15.5	None	24 @ 13.5	None
		Breaker gap (in.)	.019			
		Cam angle (deg.)	26-33	29± 1 (b)	26-33	29± 1 (b)
	Breaker arm tension (oz.)	19-23				
Timing	Crankshaft deg. @ rpm.	4° BTC	12° BTC	8° BTC	18° BTC	
	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 44	AC 44-FF			
	Thread (mm)	14				
	Tightening torque (lb. ft.)	25				
	Gap	.033-.038				
Cable	Conductor type	Linen core impregnated with electrical conducting material				
	Insulation type	Rubber with neoprene jacket				
	Spark plug protector	Hypalon jacket				

## ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension cable
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(a) Dual breaker points

(b) Per breaker, 33° ± 1 total cam angle (both breakers)

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

MODEL Corvette

## ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		Ammeter
Temperature indicator—type		Gauge (electric)
Oil pressure indicator—type		Gauge (bourdon tube)
Fuel indicator—type		Gauge (electric)
Other		Tachometer (mechanical)
Ignition switch	Identify positions in order and circuits controlled	Counterclockwise from vertical ----- Off, Lock Vertical ----- Off, unlocked 1st pos. clockwise from vertical----- On, ign & accessories 2nd pos. clockwise from vertical ----- Start, ign & starter spring return to On
	Provision for illumination	None
	Location	On instrument panel, right of steering column
Main lighting switch	Identify positions and lights controlled	Depressed - off 1st notch -instrument panel, parking, tail, license lamps 2nd notch -instrument panel, head, tail, license lamps Rotate clockwise to dim or turn off instrument panel lamps, counterclockwise to turn on or brighten panel lamps.
Other light switches	Locations and lamps controlled	Toe panel ----- Headlamp dimmer
		Steering column ----- Turn signal
		Hinge pillars ----- Courtesy lamps (a, b)
		Brace below instrument panel ----- Stop lamps
		Parking brake handle shaft ----- Parking brake alarm lamp (a)
Other switches	Locations and devices controlled	Instrument panel, center ----- Power folding top (c)
		Instrument panel, left ----- Electric w/s wipers
		Door panels, LH and RH ----- Electric window lifts
		Instrument panel, lower ----- Radio (a)
		Instrument panel, lower ----- Heater blower (a)
Windshield wiper	Make	Delco
	Type	Electric, 2-speed
	Vacuum booster provision	None
	Washer provision	Factory Option Accessory (d)
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	8.0-11.0 @ 12.5 volts

- (a) Available as Factory Option Accessory
- (b) Switch on lamp housing only
- (c) Available as Regular Production Option
- (d) Includes co-ordinator and vacuum reserve tank

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

MODEL \_\_\_\_\_ Corvette

## DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Borg and Beck, dry plate
Type pressure plate springs		Coil
Total plate pressure (lb.)		1620 initial
No. of clutch driven discs		One
Clutch facing	Material	Premium woven asbestos composition
	Outside & inside dia.	10.0 x 6.5
	Total eff. area (sq.in.)	90.72
	Thickness	.132-.138
	Engagement cushioning method	Springs
Release bearing	Type & method of lubrication	Ball bearing, sealed
Torsional damping	Methods: springs, friction material	Spring at hub

## DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Standard
Manual with overdrive (std. or opt.)	None
Automatic (std. or opt.)	Optional

## DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		Three	Four
Transmission ratios	In first	2.21:1	2.20:1
	In second	1.32:1	1.66:1
	In third	1.00:1	1.31:1
	In fourth	None	1.00:1
	In reverse	2.51:1	2.26:1
Synchronous meshing, specify gears		2nd and 3rd	1st thru 4th
Capacity (pt.)		2.0	1.5
Lubricant	Type recommended	A-9 mineral lubricant	
	SAE viscosity number	Summer	SAE-90
		Winter	SAE-90
		Extreme cold	SAE-80

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED \_\_\_\_\_

MODEL \_\_\_\_\_ Corvette

## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		None	
	Manual lockout (yes, no)		-	
	Downshift accelerator control (yes, no)		-	
	Minimum cut-in speed		-	
	Gear ratio		-	
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		-
		Separate filler (yes, no)		-
		Type recommended		-
		SAE vis- cosity number	Summer	-
			Winter	-
Ext. cold		-		

## DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide	
Type describe	Torque converter with planetary gears	
Method of Selection (Lever, Push Button or other)	Lever	
Selector Pattern	P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position	Drive      1.82 and 1.00:1 (a) Low        1.82:1 Reverse    1.82:1	
Max. upshift speeds—drive range	55	
Max. kickdown speeds—drive range	50	
Torque converter	Number of elements	3
	Max. ratio at stall	2.1:1
	Type of cooling (air, water)	Air
Lubricant	Capacity—refill (pt.)	9
	Type recommended	"A" suffix "A"
Special transmission features	Three element hydraulic torque converter with automatic planetary gear system for reverse and low	

(a) Total transmission torque multiplication - 3.82:1

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVROLET **MODEL YEAR** 1960 **DATE ISSUED** 10-2-59 **REVISED** \_\_\_\_\_  
**MODEL** \_\_\_\_\_ Corvette

## ELECTRICAL—LAMP BULBS

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

Headlamps & arrangement		Dual headlight 2-4001, 2-4002
Headlamp beam indicator		1-53
Parking		2-1034 (4 cp filaments)
Tail		2-1034 (4 cp filaments)
Stop		2-32 cp filaments of tail lamp bulbs
Direction signal	Front	2-32 cp filaments of parking lamp bulbs
	Rear	2-32 cp filaments of tail lamp bulbs
	Indicator	2-57
License plate		2-67
Instrument		5-57
Ignition lock		None
Back up		None
Dome		None
Clock		1-67
Radio		1-GE-1891
Glove compartment		None
<u>Park brake alarm</u>		1-53*
<u>Courtesy light</u>		1-90*
<u>Cig. lighter light</u>		1-53

# AMA Specifications – Passenger Car

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MODEL Corvette

## ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

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

Headlamp	15 CB (a)
Headlamp beam indicator	(a)
Parking light	<del>15</del>
Tail light	3 AG/AGC-10 amp (b)
Stop light	(b)
Direction indicator	Flasher
License plate light	(b)
Instrument light	AGC - 3 amp (c)
Ignition light	None
Back up light	None
Dome light	None
Clock	(b)
Clock light	(c)
Radio	Light (c); Receiver 3 AG/AGC 7.5 amp
Glove compartment light	None
Park brake alarm	(b)
Power windows	40 CB (d)
Heater blower	(b)
Cig lighter light	(c)
Power top	(d) and 2 SAE 30 amp

## ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	27.8
		Highest	27.8
	Stop		27.8
	Backup		None
	License, rear		16.3
	Directional	Front	12.5
		Rear	27.8
	Headlamp	Inside	28.2
		Outside*	28.2
	Distance from C/L of car to center of bulb	Tail	Inside
Outside			29.6
Stop		29.6	
Backup		None	
License, rear		8.5	
Directional		Front	19.2
		Rear	29.6
Headlamp		Inside	22.8
		Outside*	29.1

\* If single headlamps are used enter here.

# AMA Specifications – Passenger Car

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MODEL \_\_\_\_\_ Corvette

## DRIVE UNITS—PROPELLER SHAFT

Number used		One
Type (exposed, torque tube)		Exposed
Outer diameter x length* x wall thickness	Manual transmission	2.5 x 34.55 x .065
	Overdrive transmission	None
	Automatic transmission	Same as manual transmission
Intermediate bearings	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	None
Universal joints	Make	Own
	Number used	Two
	Type (ball and trunnion, cross, other)	Yoke and spider (trunnion)
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Fitting
Drive taken through (torque tube or arms, springs)		Rear springs and radius rods
Torque taken through (torque tube or arms, springs)		Rear springs and radius rods

## DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)		Standard axle-semi-floating, overhung pinion gear. Positraction-semi-floating, overhung pinion gear. Spicer limited slip with dual 4-disc clutches applied by reaction torque through differential side gears.	
Drive Pinion Offset		1.5	
No. of differential pinions		2 (a)	
Gear ratio and No. of teeth	Automatic transmission	3.55:1 (9-32)	
	Overdrive trans.	None	
	Manual transmission	3.70:1 (10-37) (b)	
Ring gear pitch diameter & O.D.		8.375 PD and OD	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		None	
Wheel bearing type		Ball	
Lubricant	Capacity (pt.)	4.0	
	Type recommended	A-9 hypoid	
	SAE viscosity number	Summer	SAE-90
		Winter	SAE-90
Extreme cold		SAE-90	

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

(a) 4 pinions in Positraction axle

(b) Optional Positraction axles available with 3.70(10-37), 4.11 (9-37) and 4.56 (9-41) ratios with synchromesh transmissions, Positraction not available with automatic transmission.



# AMA Specifications – Passenger Car

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MODEL Corvette

## DRIVE UNITS—WHEELS

Type & material		Short spoke disc, pressed steel
Rim (size and flange type)		15 x 5K (a)
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5, 7/16-20

## DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.70 x 15-4 pr (blackwall)(c)
	Type - Nylon, etc.	Rayon
Rev/mile at <u>30</u> mph.		<del>750</del>
Inflation press.(cold)	Front	24
	Rear	24

## BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)		Servo, 4 wheel hydraulic		
		Production	Optional (RPO 686) (d)	
Power brake make & type (remote, integral, etc.)		None		
Effective area (sq. in.)*		157.0	108.0	
Gross lining area (sq. in.)**		157.0	120.0	
Percent brake effectiveness—front		56.0	58.5	
Drum	Front	11		
	Rear	11		
Type and material		Composite-cast alloy iron rim; pressed steel web		
Bonded or riveted		Bonded	Riveted	
Brake lining	Front Shoe	Material	Full molded asbestos comp	
		Size (length x width x thickness)	Front wheel	2.0 x 1.0 x .205
			Rear wheel	2.0 x 1.0 x .325
	Segments per shoe	1	6	
	Rear Shoe	Material	Full molded asbestos comp	Sintered iron
Size (length x width x thickness)		Front wheel	2.0 x .875 x .205	
		Rear wheel	2.0 x .875 x .325	
Segments per shoe	1	10		
Wheel cylinder bore	Front	1.1875		
	Rear	1.000		
Master cylinder bore		1.000		
Available pedal travel		4.50		
Line pressure at 100 lb. pedal load		700 PSI		
Shoe clearance adjustment		Adjust to light drag, back off 7 notches (b)		

\* Excludes rivet holes, grooves, chamfers, etc.

\*\* Includes rivet holes, grooves, chamfers, etc.

- (a) 15 x 5.5K wheels available as Regular Production Option
- (b) Back off 12 notches with sintered iron brakes
- (c) Whitewall tire available as Regular Production Option
- (d) Optional heavy-duty brake package (RPO 687) See supplement to page 16.

# AMA Specifications -- Passenger Car

Supplement to Page 16

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

## SUPPLEMENTARY INFORMATION

MODEL Corvette

Optional Heavy Duty Brakes (RPO 687) \*

Type			Servo, 4 wheel hydraulic
Effective area (sq. in.)			124.0
Gross lining area (sq. in.)			129.8
Brake effectiveness, front			62%
Drum	Diameter	Front	11
		Rear	11
Type & material		Composite; cast alloy iron rim pressed steel w	
Brake cooling at each wheel			Vanes cast on drum-rim; air scoop on backing plate, fans between drum and wheel hub.
Brake Lining	Attachment		Riveted
	Material		Sintered iron
Front Shoe	Size	Front wheel	1.64x1.25x.205
		Rear wheel	1.64x1.25x.325
Segments per shoe		Primary - 6 ; Secondary - 12	
Brake Lining	Attachment		Riveted
	Material		Sintered iron
Rear Shoe	Size	Front wheel	2.0x.875x.205
		Rear wheel	2.0x.875x.325
Segments per shoe		Primary - 6; Secondary - 10	
Wheel cyl bore		Front	1.125
		Rear	0.875
Master cylinder bore			1.0
Available pedal travel			4.5
Line pressure @ 100 lb pedal load			700 PSI
Shoe clearance adjustment			Adjust to slight drag, back off 2-170 notches

\* - RPO 687 includes fast steering adapter.



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# AMA Specifications—Passenger Car

MAKE OF CAR **CHEVROLET** MODEL YEAR **1960** DATE ISSUED **'10-2-59** REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ **Corvette**

## BRAKES—PARKING

Type of control		<b>T-handle pull rod</b>
Location of control		<b>Below instrument panel, left of steering column</b>
Operates on		<b>Rear service brakes</b>
If separate from service brakes	Type (internal or external)	<b>None</b>
	Drum diameter	<b>None</b>
	Lining size (length x width x thickness)	<b>None</b>

## FRAME or UNITIZED CONSTRUCTION

Type and description	<b>Full length welded box section side members, "I" beam "X" member Bracing "X" member to front side members. "U" type rear shock absorber cross member. Box section front and rear cross members.</b>
----------------------	--

## SUSPENSION—GENERAL (See Supplemental page 17 for details on Air Suspension)\*

Provision for car leveling		<b>None</b>
Provision for brake dip control		<b>None</b>
Provision for acc. squat control		<b>None</b>
Special provisions for car jacking		<b>Scissors type jack provided</b>
Shock absorber unit & rear	Type	<b>Direct double acting (a)</b>
	Make	<b>Delco</b>
	Piston dia.	<b>1.0</b>
Other special features		<b>Auxiliary rear radius rods control spring wind-up</b>

## SUSPENSION—FRONT

Type and description	<b>Unitized, independent, short and long arm</b>
----------------------	--

(a) Each contains nitrogen-filled envelope in fluid reservoir to prevent fluid aeration.

(Continued)

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

# AMA Specifications – Passenger Cars

Page

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MODEL \_\_\_\_\_ Corvette

## SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Chrome alloy steel
	Size (incl. design height I.D., bar length x dia.)	9.62 x 3.002 x 116.0 x .550
	Spring rate (lb. per in.)	300
	Rate at wheel (lb. per in.)	110
	Design load (lb. @ design height)	1235 @ 9.62
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel, .67-.70

## STEERING

Mechanical (std., opt., NA)		Standard			
Power (std., opt., NA)					
Wheel diameter		17"			
Turning diameter	Outside front	Wall to wall (l. & r.)	Left: 39 feet, right: 38.5 feet		
		Curb to curb (l. & r.)	Left: 37 feet, right: 36.5 feet		
	Inside rear	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			
Outside wheel angle with inside wheel at 20°		17°			
Mechanical	Gear	Type	Semi-reversible, worm and ball bearing sector		
		Make	Saginaw		
		Ratios	Gear	16.0:1	
			Overall	21.0:1	16.3:1 @
		No. wheel turns	3.7	3.25 @	
Power	Type (coaxial, linkage, etc.)		None		
	Make		-		
	Trade name		-		
	Gear	Type		-	
		Ratios	Gear	-	
			Overall	-	
	Pump driven by		-		
	Number wheel turns		-		
Linkage	Type		Center point		
	Location (front or rear of wheels, other)		Rear of wheels		
	Drag link (trans. or longit.)		Longitudinal		
	Tie rods (one or two)		Two		

(Continued)

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@ - Special steering part of cerematalix brake option.

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED \_\_\_\_\_

MODEL \_\_\_\_\_ Corvette

## STEERING (cont)

Steering Axis	Inclination at camber (deg.)		3°30' - 4°30'
	Bearings (type)	Upper	Bushing
		Lower	Bushing
		Thrust	Single row ball
Wheel alignment (range and preferred)	Caster (deg.)		2°±30'
	Camber (deg.)		0°±30'
	Toe-in (outside tread-inches)		.00 - .12 per wheel
Steering spindle & joint type			Reverse Elliott
Wheel spindle	Diameter	Inner bearing	1.2810-1.2815
		Outer bearing	.7498-.7503
	Thread size		3/4-20
	Bearing type		Ball

## SUSPENSION—REAR

Type and description			Outrigger mounted leaf springs	
Drive and torq. taken through (see page 15)			Rear springs and radius rods	
Spring	Type		Leaf, semi-elliptic	
	Material		Alloy steel	
	Size (length x width, coil design height and I.D.; bar length & dia.)		51.0 x 2.0	
	Spring rate (lb. per in.)		115 (a)	
	Rate at wheel (lb. per in.)			
	Design load (lb. at design height)		725 @ .08 negative camber height	
	Mounting insulation type		Rubber bushed	
	If leaf	No. of leaves		4 (a)
		Inserts	Type and size	Liners; 19.8, 31.8, 46.3 long; 1.9 wide; .11 thick
			Material	Wax impregnated fibre board
Shackle (comp. or tens.)		Tension		
Stabilizer	Type (link, linkless, frameless)		Link	
	Material		Hot rolled steel	
Track bar type			None	

(a) Regular production equipment

# AMA Specifications – Passenger Car

Page

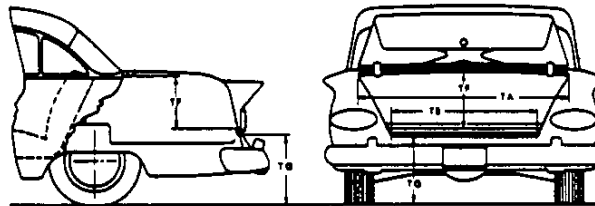
MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

## BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by S.A.E. 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. Symbol 'a' added as suffix to SAE dimension indicates an AMA modification. The dimensions are developed from the following basic points:

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. Unless otherwise specified all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

## BODY—TRUNK DIMENSIONS

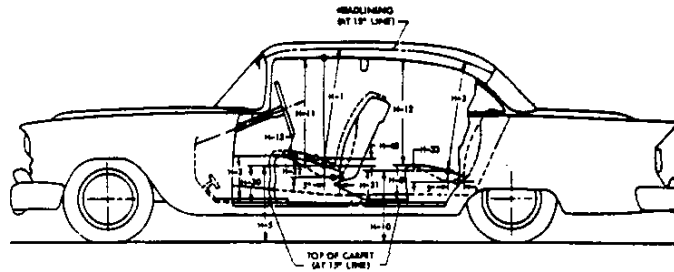


MODEL	Corvette
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	4.474 cu. ft.
Total trunk volume in cu. ft. with spare tire in place	
TA—Width across the top	44.8
TB—Width across the bottom	Opening is oval
TF—Vertical dimension at C/L from bottom to top of opening	13.8
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	18.1
Position of spare tire stowage	Horizontal in trunk under floor
Method of holding lid open	Counterbalance springs

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

## BODY—HEIGHT DIMENSIONS—INTERIOR



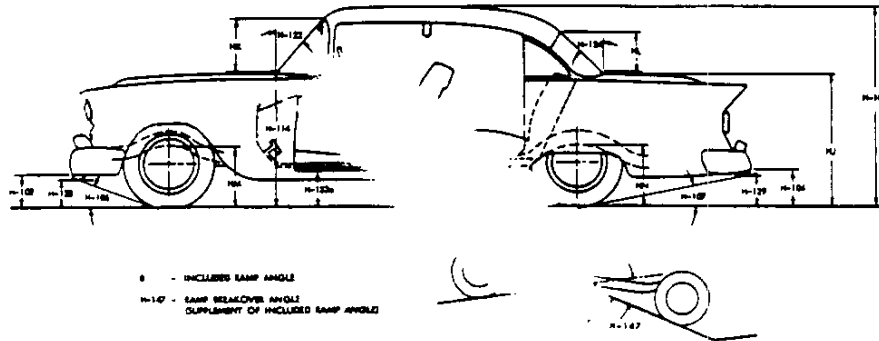
MODEL	Corvette
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	Convertible - 35.3 Hardtop - 35.1
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	--
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	7.3
H5. Free "A" pt. to ground, front. Measured vertically	16.0
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	--
H10. Free "A" point to ground rear. Measured vertically	--
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	29.7
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	--
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	5.3
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	4.8
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	--
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	2.2
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	--
H45. Front seat maximum vertical rise at free "A" point	.2



# AMA Specifications— Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED \_\_\_\_\_

## BODY—HEIGHT DIMENSIONS—EXTERIOR



NOTE: For dimensions to lamps see page 12.

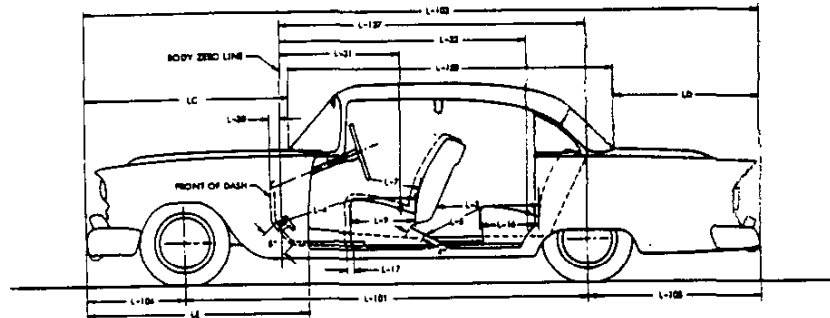
MODEL	Corvette
H101. Overall height, full design load	Convertible 51.6(a); Hardtop 51.5
H8. Overall height, curb weight	Convertible 52.4(b); Hardtop 52.3
H102. Front bumper bottom to ground at normal section, min. height	17.0
H104. Rear bumper bottom to ground at normal section, min. height	15.3
H106. Angle of approach. To interfering point on bumper, guard, other	20°33'
H107. Angle of departure. To interfering point on bumper, guard, other	16°29'
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl	36.5
H122. Windshield normal slope angle to vertical line on car C/L	50°
H124. Backlight normal slope angle to vertical line on car C/L	
H128. Bottom of front bumper guard to ground	9.0
H129. Bottom of rear bumper guard to ground	8.9
H133a. Bottom of front door to ground, min. dimension	13.1
H135a. Bottom of rear door to ground, min. dimension	--
H147. Ramp breakover angle	7°29'
H153. Min. road clearance at rear axle	8.0
H156. Min. road clearance and location	5.9 (c)
HJ. Deck at rear window to ground	35.2
HK. Windshield DLO°. Vertical height at C/L	12.3
HL. Back light DLO°. Vertical height at C/L	8.3
HM. Bottom of frame to ground at C/L of front axle, min. height	15.6
HN. Bottom of frame to ground at C/L of rear axle, min. height.	17.0

- \* See Note, page 20
- (a) Top down - 49.7
- (b) Top down - 50.4
- (c) Rear spring front hanger

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED \_\_\_\_\_

## BODY—LENGTH DIMENSIONS



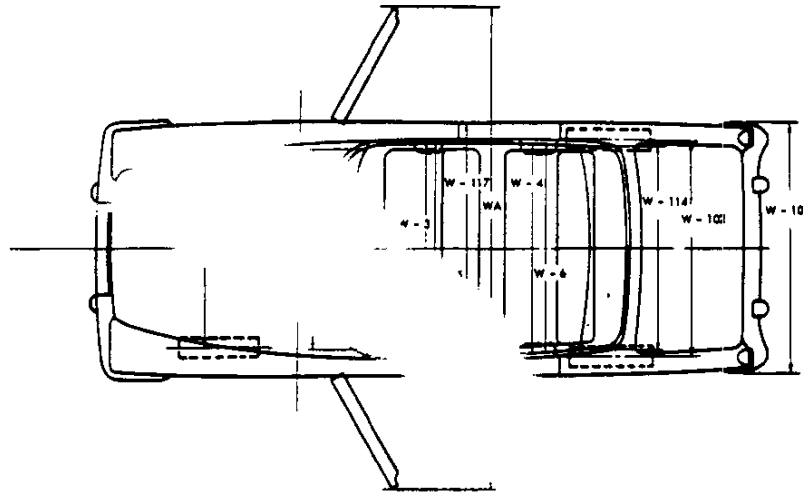
MODEL		Corvette
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back	--
	L4. Leg room, front. Ball of foot to top of seat to seat back	45.1
	L5. Leg room, rear. Ball of foot to top of seat to seat back	--
	L7. Steering wheel clearance to seat back taken on arc	16.0
	L9. Front seat depth. Front edge to vert. tan. of seat back	18.7
	L16. Rear seat depth. Front edge to vert. tan. of seat back	--
	L17. Maximum "A" point horizontal travel with normal seat adjustment	4.4
	L30. Vertical body zero line to actual front of dash. Measured horizontally*	.5
	L31. Vertical body zero line to free "A" point, front	41.8
	L32. Vertical body zero line to free "A" point, rear	--
Exterior	L101. Wheelbase	102.0
	L103. Overall length. Incl. bumper guards if standard equipment	177.2
	L104. Overhang, front. Include bumper guards if stand. eq.	33.0
	L105. Overhang, rear. Include bumper guards if stand. eq.	42.2
	L123a. Body upper structure length at C/L, excl. molding	61.0
	L127. Vertical body zero line to centerline of rear wheels	74.1
	LC. Front of car to base windshield, excl. molding	70.1
LD. Rear of car to base of rear window or upper structure, excl. molding	47.0	
LE. Front of car to front edge of front door	76.7	

\* Precede figure with minus sign if front of dash is to rear of body zero line.

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED \_\_\_\_\_

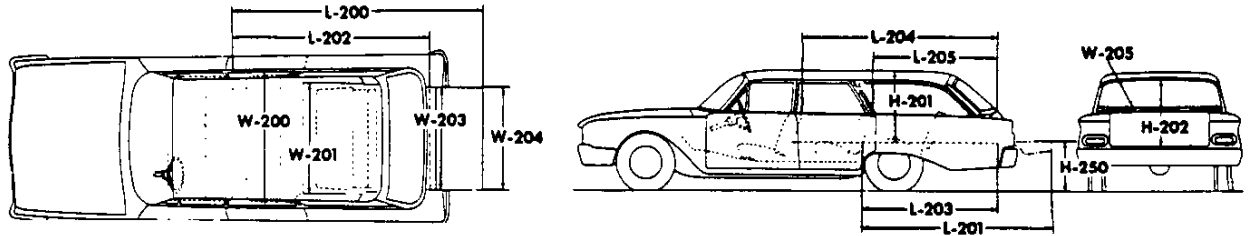
## BODY—WIDTH DIMENSIONS



MODEL		Corvette
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back	49.4
	W4. Rear shoulder room, at garnish molding 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	59.6
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back	--
	W7. Steering wheel center (on surface plane of wheel) to C/L of body	13.9
Exterior	W101. Front tread at ground	57.0
	W102. Rear tread at ground	59.0
	W103. Max. overall width of car including bumpers or moldings	72.8
	WA. Max. overall width of car with doors open (2 & 4 door)	133.5
	W111. Windshield DLO, max. width	53.6
	W114. Back window DLO, max. width	Hardtop 47.9; Convertible 34.3
	W117. Max. body width at center pillar, less hardware and applied moldings	70.3

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED \_\_\_\_\_  
**STATION WAGON—CARGO SPACE DIMENSIONS**



**NOTE:** Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

MODEL	Corvette
L200 Floor length from back of front seat at floor level to end of lowered tail gate	--
L201 Floor length from back of second seat at floor level to end of lowered tail gate	--
L202 Floor length from back of front seat at floor level to inside of closed tail gate	--
L203 Floor length from back of second seat at floor level to inside of closed tail gate	--
L204 Minimum horizontal distance from top rear of front seat back to inside of top of tail gate	--
L205 Minimum horizontal distance from top rear of second seat back to inside of top tail gate	--
W200a Maximum width of cargo space at floor, specify location	--
W201 Minimum distance between wheel houses at floor level	--
W203 Rear end opening width at floor	--
W204 Rear end opening width at top of tail gate	--
W205 Maximum width of rear opening above raised tail gate	--
H201 Maximum height, floor covering to headlining	--
H202 Maximum height of rear opening, tail and lift gates open	--
H250 Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight	--
Third Seat, facing direction	--
Tail and lift gates or sliding glass	--

# AMA Specifications -- Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 7-15-59 REVISED \_\_\_\_\_

MODEL Corvette

## BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	--
Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood hinge location (front, rear)		Front
Hood counterbalanced (yes, no)		No
Hood release control (internal, external)		Internal
Vehicle (Serial) No. Location		LF body hinge pillar
Engine No. Location		Front right side of cylinder block
Theft protection - type		key not removable in "Off" (unlocked) position
Vent window control mechanism (crank, friction pivot)	Rear	None
Seat spring type (coil, zigzag, etc.)		zigzag
Windshield type (single curved, compound curved, other)		single curved
Rear window type (flat, curved, one piece, three piece)		Folding top - one-piece flexible plastic Hardtop - one-piece curved plastic
Side glass type (curved, flat)		Flat
Side glass exposed surface area		500 sq. in.
Windshield glass exposed surface area		908 sq. in.
Backlight glass exposed surface area		408 sq. in.
Total glass exposed surface area		1816 sq. in.

## BODY—TYPES AND STYLE NAMES—

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

BODY STYLES		CODES
Corvette	867	2-door convertible 2-passenger

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED 12-1-59

## MAJOR OPTIONAL ITEMS - WEIGHTS

Model	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
	Front	Rear	Total	Pass. in Front		Pass. in Rear		
				Front	Rear	Front	Rear	
867 Convertible			2985					2840
Accessories & Equipment Differential Weights				Remarks				
Axle, limited slip			+9					
Carburetors, dual 4 bbl.			-18					
Fuel injection			-8					
Hardtop (a)			-5					
(b)			+56	(a) In lieu of folding top				
Heater			+10	(b) In addition to folding top				
Radio			+16					
Sunshade (pair)			+2					
Tire, whitewall			+3					
Top, hydraulic lift equip.			+34					
Transmission, 4-speed			+12					
Transmission, Powerglide			+97					
Windows, power			+13					
Windshield washers			+4					
Wheels, 15-5, 50K			-1					

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

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