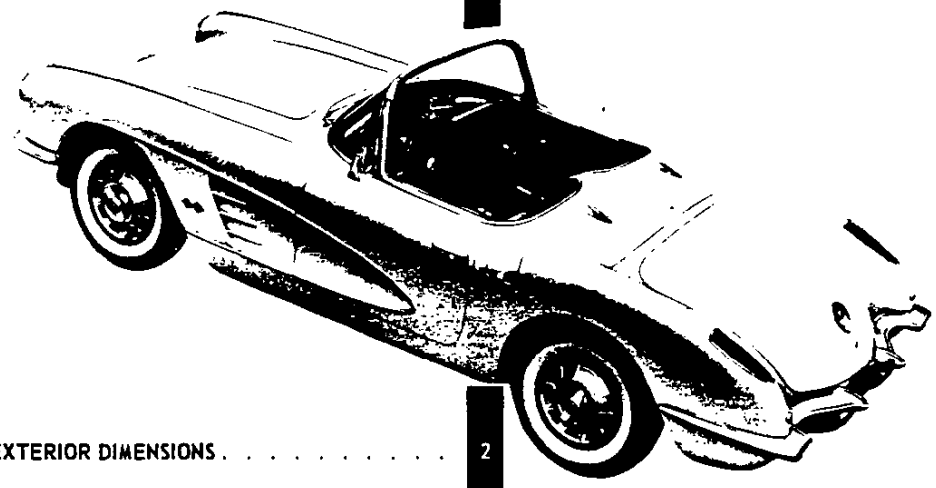
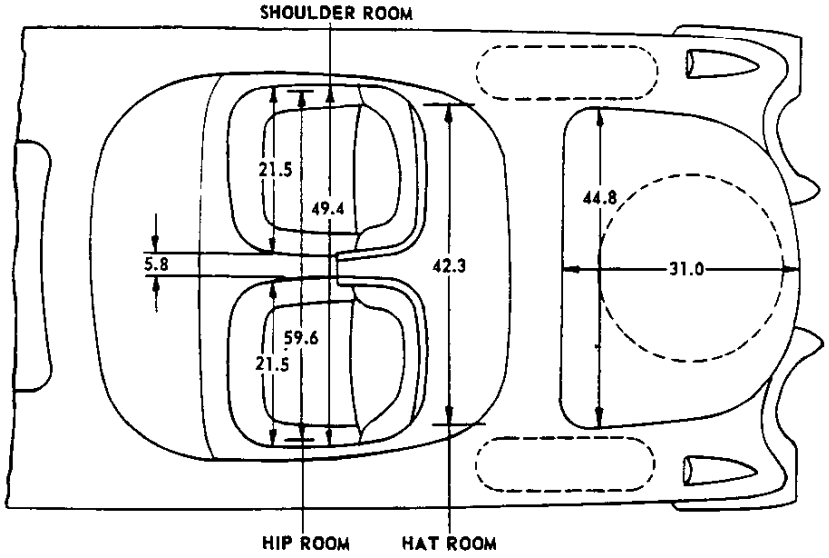
CORVETTE

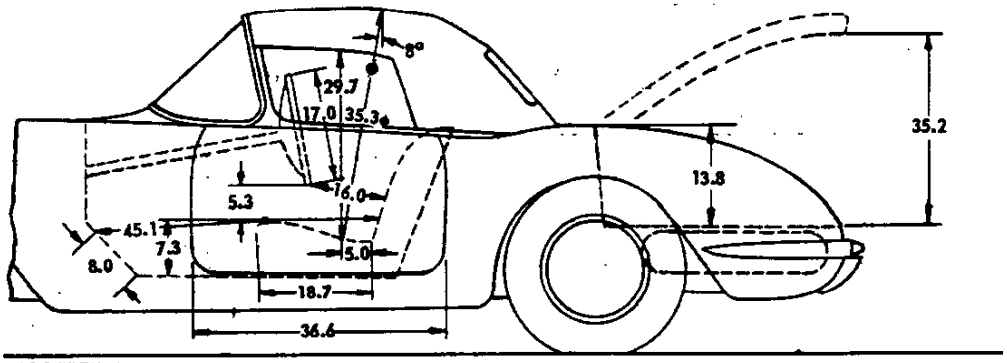


INTERIOR DIMENSIONS



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

- Four Headlights
- Parking and Turn Signal Lights
- Tail, Stop, and Turn Signal Lights
- Twin License Lights
- Bright Metal
  - Headlight and Parking Light Bezels
  - Front Fender Crown Molding
  - Grille Frame and Body
  - Grille Guards and License Frame
  - Front and Rear Bumpers
  - Cove Area Reveal Molding
  - Windshield Reveal Molding
  - Belt Reveal Molding
  - Door Glass Frames
  - Door Push-Button Handles
  - Door Key Locks
  - Deck Lid Key Lock
  - Tail Light Bezels
  - Rear Body Guards
  - *Hardtop Additional Moldings
    - Roof Front
    - Drip Cap
    - Quarter Window Reveal
    - Rear Window Reveal
- Hood Emblem
- Deck Lid Emblem
- Outside Rear View Mirror
- Wheel Disks
- Wheel Disk Ornaments
- Convertible Top
- Crossed Flags in Cove Area
- Gas Filler Door
- Twin Rear Fender Reflectors
- Dual Rear Bumper Exhaust Ports

INTERIOR

- Three-Spoke Competition-Type Steering Wheel
- Vinyl Covered Instrument Panel
- 160 MPH Speedometer, Odometer
- 7000 RPM Tachometer
- Bright Metal
  - Cove Insert
  - Sill Plates
  - Step Plates
  - Top Header Release Latches
  - Door Lock Lever
- Fuel, Temperature, Ammeter, Oil Pressure Gauges
- Ignition - Starter Switch
- Cigarette Lighter
- Cowl Vent Lever
- Hood Release Lever
- Rear View Mirror
- Ash Tray
- Electric Clock
- Cockpit Center Console
- Stowage Compartment
- Roll-Up Door Windows
- Twin Reflectors in Side Wall
- Door Armrests
- Glove Box with Key Lock
- Padded Passenger - Assist Bar
- Direction Signal Control
- Individually Adjusted Bucket Seats
- Seat Belts
- Ball-Type Door Handles
- Transmission Shift Lever with Shift Diagram
- Headlight Dimmer Switch
- Windshield Wiper Control Knob
- 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) fl	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		

fl - 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.

• Revised February 1960 October 1959

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°- 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^4)	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

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.

HEAVY DUTY BRAKE EQUIPMENT–RPO 686–RPO 687

HEAVY-DUTY BRAKES AND SPECIAL STEERING 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

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%

LIMITED SLIP REAR AXLES RPO 675

Ratios	Gear Combinations
3.70:1	37-10
4.11:1	37- 9
4.56:1	41- 9

POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	AXLE RATIO
283 CUBIC INCH 4-BARREL CARBURETOR V-8 (PRODUCTION)	3-SPEED 4-SPEED	3.70:1 4.11:1 4.56:1
	POWERGLIDE	3.55:1
283 CUBIC INCH DUAL 4-BARREL CARBURETOR V-8 (RPO 469, REGULAR CAMSHAFT)	3-SPEED 4-SPEED	3.70:1 4.11:1 4.56:1
	POWERGLIDE	3.55:1
283 CUBIC INCH DUAL 4-BARREL CARBURETOR V-8 (RPO 469, SPECIAL CAMSHAFT)	3-SPEED 4-SPEED	3.70:1 4.11:1 4.56:1
283 CUBIC INCH RAMJET FUEL INJECTION (RPO 579)	3-SPEED 4-SPEED	3.70:1 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 Φ
		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 570)	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	

Φ - Gear reduction x maximum net engine torque x efficiency factor (0.90 indirect drive, 0.85 all others).

* - Axle ratio x transmission ratio

• Revised February 1960 October 1959

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	275@ 5200 RPM	315@ 6200 RPM
	Net	195@ 4600 RPM	215@ 4800 RPM	230@ 6000 RPM		
Torque (Lb-Ft)	Gross	300@ 3000 RPM	300@ 3800 RPM	285@ 4200 RPM	305@ 4400 RPM	295@ 47-5100 RPM
	Net	270@ 2800 RPM	270@ 3400 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

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

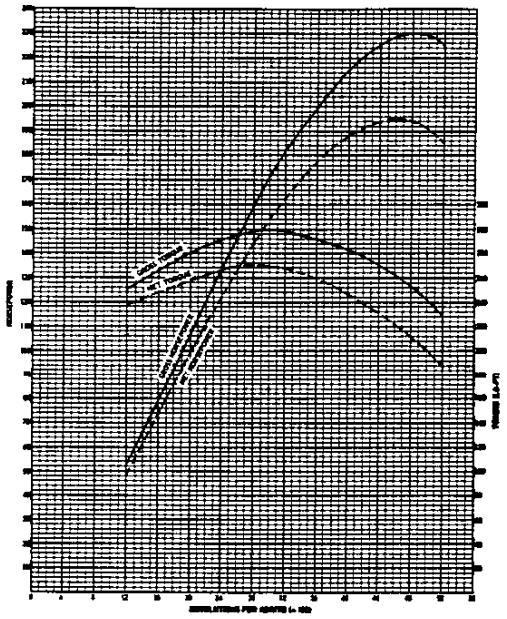
Performance Weight = Curb Weight plus 300 Lb • (weight of two 150 Lb passengers)

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

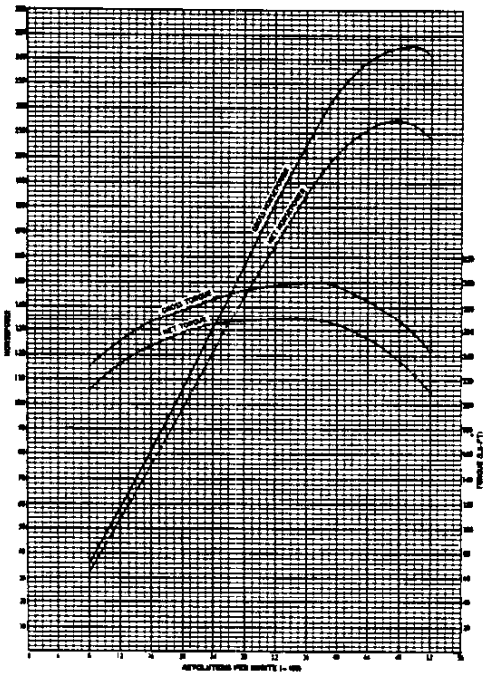
$$\text{Displacement Factor} = \frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$$

• Revised February 1960 October 1959

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



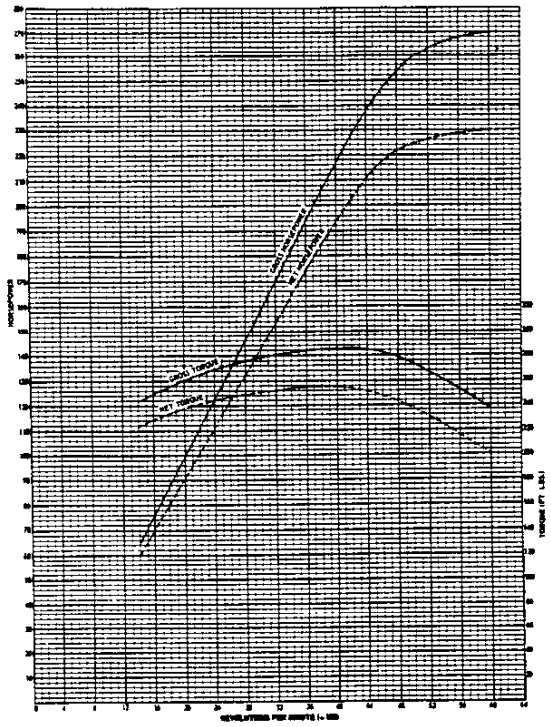
The engine performance curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60°F.

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.

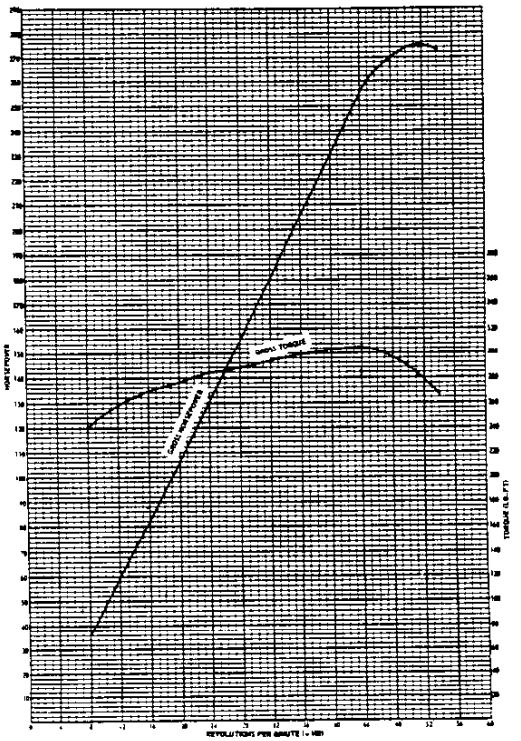
CORVETTE 283 CUBIC INCH V-8 ENGINE

Dual 4-barrel Carburetors and Special Camshaft-
Engine Test Report 17697-25



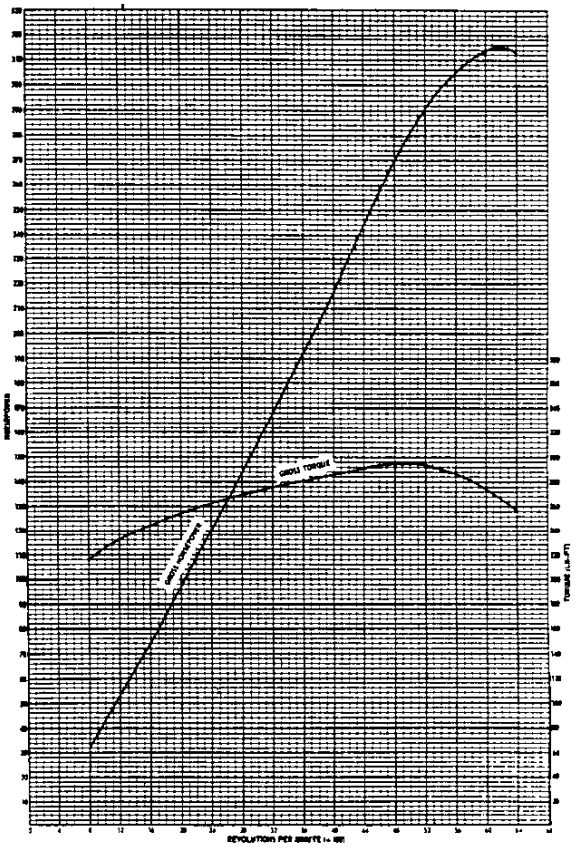
CORVETTE 283 CUBIC INCH V-8 ENGINE

Ramjet Fuel Injection - Engine Test Report 18004-46B



CORVETTE 283 CUBIC INCH V-8 ENGINE

Ramjet Fuel Injection and Special Camshaft -
Engine Test Report 18004-28



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

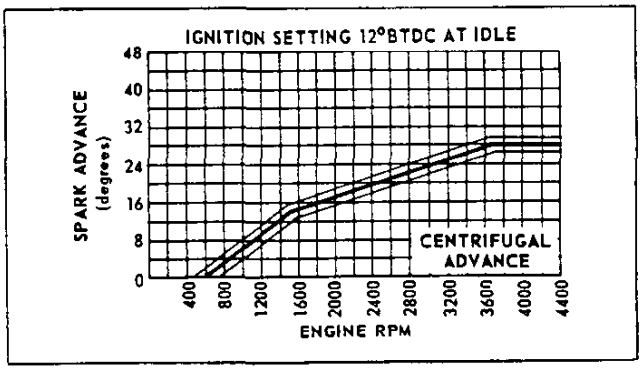
- Venturi ID
  - Primary ---------- 1.13
  - Secondary ---------- 0.94
- Throttle Bore ---------- 1.31
- SAE Flange Size ---------- 1.25
- Stud Centers ---------- 5.62 x 4.25

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) ---------- 29±1°
- Total Cam Angle (both breakers) ---------- 33±1°
- Centrifugal Spark Adv Begins ---------- 600 RPM
  - Max degrees @ RPM ---------- 28 @ 3700
- Vacuum Advance ---------- None



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

FUEL INJECTION - Continued

RADIATOR (special camshaft)
- Make ---------- Harrison
- Type ---------- Cross flow
- Material ---------- Aluminum
- Core Constant and Thickness ------ .18 x .55 Bx 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

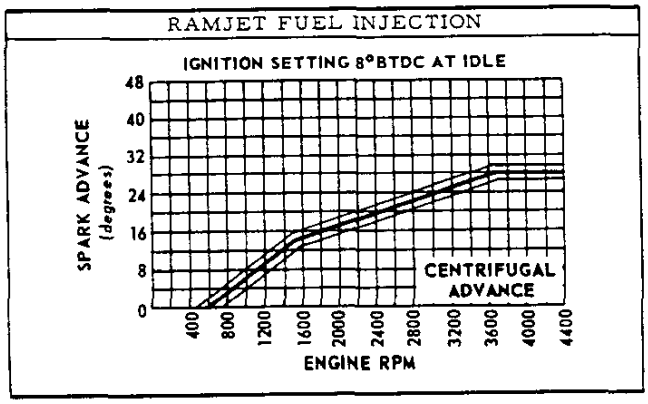
IGNITION DISTRIBUTOR (special camshaft)
- Model ---------- 1110914
- Centrifugal Spark Advance (begins-rpm) ------ 1000
- Maximum degrees @ rpm ---------- 22 @ 6000
- Vacuum Advance ---------- None
- Breakers, Type ---------- Dual
- Cam Angle (per breaker) ---------- 29±1°
- Total Cam Angle (both breakers) ---------- 33±1°

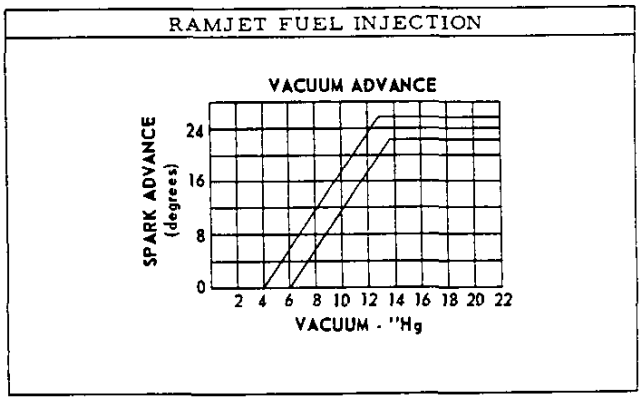
VOLTAGE AND CURRENT REGULATOR (special cam)
- Model ---------- 1119002
- Amperes ---------- 33-37

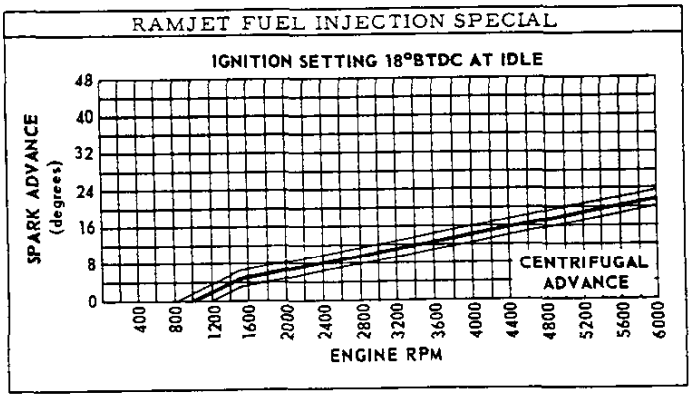
IGNITION TIMING (regular camshaft)
- Crankshaft Degrees (initial setting) --------- 8°BTC

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

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







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**

1960 PASSENGER CAR AND CORVETTE INDEX

October, 1959

INDEX

1960 CHEVROLET PASSENGER CAR AND CORVETTE

INDEX

E

E

INDEX

1960 CHEVROLET PASSENGER CAR AND CORVETTE Cont'd.

INDEX

T

T

UV

W

1960 CORVETTE

Production: 10,261 convertibles

1960 NUMBERS

Vehicle: 00867S100001 through 00867S110261

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

• 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
1110914: 283ci, 290hp
1110915: 283ci, 250hp
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-40A

AMA Specifications – Passenger Car

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

COMPANY Chevrolet Motor Division, General Motors Corporation

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
Corvette	867		

TABLE OF CONTENTS

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)

MODEL		Additional Information Page No.	Corvette
Wheelbase (L-101)		23	102.0
Tread	Front (W-101)	24	57.0
	Rear (W-102)	24	59.0
Maximum Overall Dimensions	Length (L-103)	23	177.2
	Width (W-103)	24	72.8
	Height (H-101)	22	51.6
Transmission—(Specify trade name - opt., not available)	Manual	13	3-speed (standard); 4-speed (optional)
	Overdrive	14	None
	Automatic	14	Powerglide (optional)
Axle ratio	Manual	15	3.70:1
	Overdrive	15	None
	Automatic	15	3.55:1
Tire size		16	6.70x15-4 pr
Engine	Type, no. cyl., valve arr.	2	90° V-8, OHV
	Fuel system (Carb. or Inj.)	6	Carburetor
	Bore and stroke	2	3.875x3.000
	Piston displ., cu. in.	2	283.0
	Std. compression ratio	2	9.5:1
	Max. bhp at engine rpm	2	230 @ 4800
	Max. torque at rpm	2	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 Material -	Standard	Cast alloy iron			
	Optional	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 $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		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 regular - premium	Standard	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)

(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 4-speed	3.70* (Std) 4.11* 4.56*
					Powerglide	3.55 (Std)
		2x4-bbl. (Opt)	9.5:1	245@ 5000	3-speed 4-speed	3.70* (Std) 4.11* 4.56*
					Powerglide	3.55 (Std)
		2x4-bbl. (spec. cam) (Opt)	9.5:1	270 @ 6000	3-speed 4-speed	3.70* (Std) 4.11* 4.56*
		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

MODEL Corvette

			4-barrel	2x4-bbl. Reg. cam	2x4-bbl. Spec. cam	Fuel Injection Reg. cam	Fuel Injection Spec. cam

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 upper .0770-.0780 lower (c)			.0770-.07
	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

MODEL Corvette

4-barrel	2x4-bbl.		Fuel Injection	
	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. 5	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

		Standard	Mech.	Standard	Mech.
Hydraulic lifters (Std, opt, NA)					
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. Reg. cam	Dual 4-bbl. Spec. cam	Fuel Injection Reg. cam	Fuel Injection 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.
	Actual overall head dia.		1.715-1.725				1.935-1.
	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.
	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	Dual 4-barrel 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, s[illegible]	Full flow
Filter replacement (element, complete	Element
Capacity of crankcase, less filter-refill (qt.,	5.0
Oil grade recommended (SAE viscosity and temperature range)	32[illegible]ve - SAE 20W, SAE 20, SAE 10W-30 0°F and[illegible] - SAE 10W, SAE 10W-30 Below 0°F[illegible] E 5W, SAE 5W-20 Sustained h[illegible] peed 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
Exhaust pipe dia. (O.D. & wall thickness) 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		
	Location		Lower right front corner of engine		
	Pressure range		5.25-6.50		
Vacuum booster (std., optional, none)			None		
Fuel Filter	Type		Sintered bronze		
	Location		Carburetor inlet		
Carburetor	Make		Carter		
	Model	Front (c)	3779178 ~~3750676~~	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.

Rev. Form 3-59

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

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

AMA Specifications -- Passenger Car

Supplement to Page

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 [illegible] ed with Fuel Injection.

(b) 7017320 with special camshaft.

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

Rev. Form 3-59

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

(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		
	Regulated	Voltage	13.8-14.8	
		Current	27-33	33-37
	Voltage test conditions	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

(a) Dual breaker points

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

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

MODEL Corvette

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	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 & accessorie 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
Lubricant	Capacity (pt.)		2.0	1.5
	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			-
	Lubricant	Capacity (pt.) (Overdrive only)		-
		Separate filler (yes, no)		-
		Type recommended		-
		SAE viscosity number	Summer	-
			Winter	-
			Ext. cold	-

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Powerglide
Type describe		Torque converter with planetary gears
Method of Selection (Lever, Push Button or other)		Lever
Selector Pattern		P-R-N-D-L
List gear ratios Selector Pattern and indicate which are used in each selector position		Drive 1.82 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 convertor	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
Park brake alarm		1-53*
Courtesy light		1-90*
Cig. lighter light		1-53

Rev. Form 3-5

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED 12-1-5

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	(a)
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.

Rev. Form

AMA Specifications – Passenger Car

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

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 bearing	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)	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 torqu 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.

rm 3-59

(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

Page

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

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 30 mph.		~~760~~
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	Diameter	Front		11	
		Rear		11	
	Type and material			Composite-cast alloy iron rim; pressed steel web	
Brake lining	Bonded or riveted			Bonded	Riveted
	Front Shoe	Material		Full molded asbestos comp	Sintered iron
		Size (length x width x thickness)	Front wheel	9.29 x 2.0 x .175	2.0 x 1.0 x .205
			Rear wheel	9.29 x 1.75 x .175	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	11.69 x 2.0 x .175	2.0 x .875 x .205
			Rear wheel	11.69 x 1.75 x .175	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.

Rev. Form 3-5

(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.

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

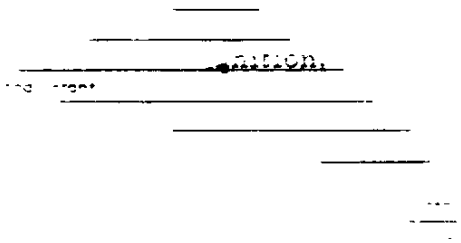
SUPPLEMENTARY INFORMATION

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.
Front Brake Lining	Attachment		Riveted
	Material		Sintered iron
	Size	Front wheel	1.64x1.25x.205
		Rear wheel	1.64x1.25x.325
	Segments per shoe		Primary - 6 ; Secondary - 12
Rear Brake Lining	Attachment		Riveted
	Material		Sintered iron
	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 17 notches

* - RPO 687 includes fast steering adapter.



AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-22-59 REVISED

MODEL Corvette

BRAKES—PARKING

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

FRAME or UNITIZED CONSTRUCTION

Type and description	Full length welded box section side members, "I" beam "X" men Bracing "X" member to front side members. "U" type rear shoc absorber cross member. Box section front and rear cross mem

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

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

SUSPENSION—FRONT

Type and description	Unitized, independent, short and long arm

(Continued)

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

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

AMA Specifications – Passenger Cars

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

MODEL Corvette

SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Chrome alloy steel
	Size – design height, O.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 (coxial, 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)

@ - 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.)		$3^{o}30'-4^{o}30'$
	Bearings (type)	Upper	Bushing
		Lower	Bushing
		Thrust	Single row ball
Wheel alignment (range and preferred)	Caster (deg.)		$2^{o}\pm30'$
	Camber (deg.)		$0^{o}\pm30'$
	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

Rev. Form 3-59

(a) Regular production equipment

AMA Specifications — Passenger Car

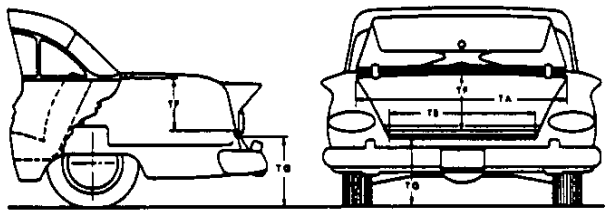
MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE: ISSUED 10-2-59 REVISED ____

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 ar 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 dimensior 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 "H" 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

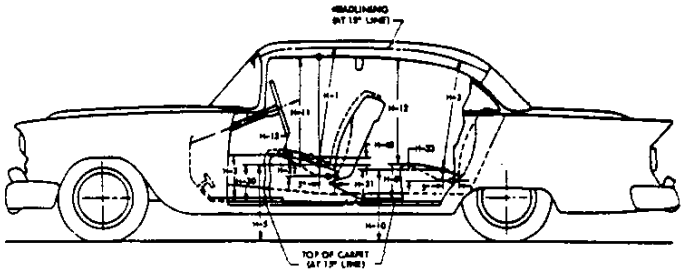


MODEL	Corvette
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	4.474 cu. ft.
Total trunk volume in cu. ft. with spare tire in place	
TA—Width across the top	44.8
TB—Width across the bottom	Opening is oval
TF—Vertical dimension at C/L from bottom to top of opening	13.8
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 10-3-59 REVISED

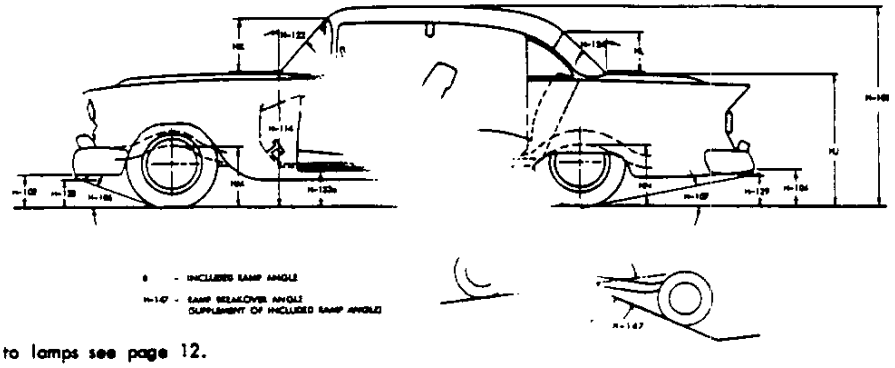
BODY—HEIGHT DIMENSIONS—INTERIOR



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

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

Rev. Form 3-59

(a) Top down - 49.7

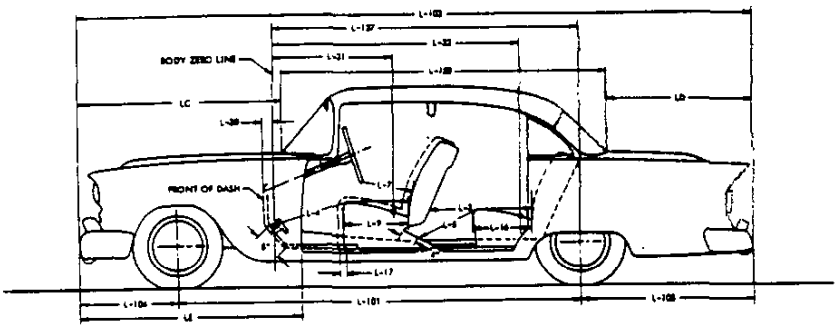
(b) Top down - 50.4

(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

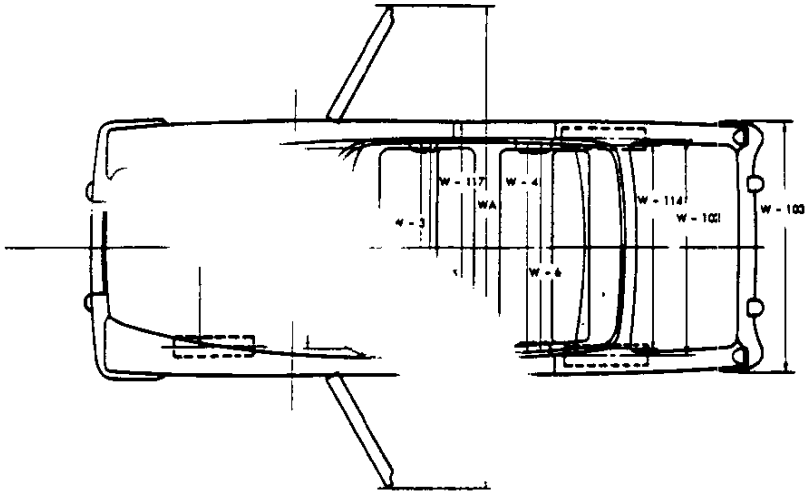


MODEL		Corvette
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back	--
	L4. Leg room, front. Ball of foot to top of seat to seat back	45.1
	L5. Leg room, rear. Ball of foot to top of seat to seat back	--
	L7. Steering wheel clearance to seat back taken on arc	16.0
	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.

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

BODY—WIDTH DIMENSIONS

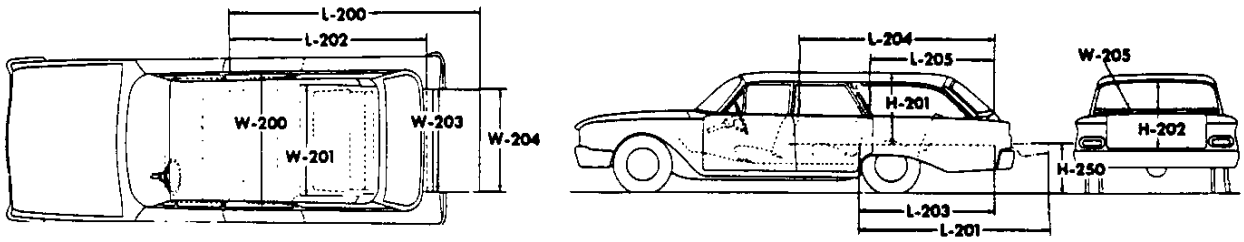


MODEL		Corvette
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back	49.4
	W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back	--
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back	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	--

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
Drs. hinged (front, rear) — 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 me	None
(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-'-59

MAJOR OPTIONAL ITEMS - WEIGHTS

	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Model								
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.

INDEX