

Specifications - Passenger Car

62-A-7

AUTOMOBILES CHEVY 1962

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MANUFACTURER	Chevrolet Motor Division General Motors Corporation	CAR NAME	CORVETTE
MAILING ADDRESS	Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Michigan	MODEL YEAR	1962
		ISSUED:	10-23-61
		REVISED (*)	

NOTES:

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

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BODY-TYPES AND STYLE NAMES-

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

Model 867 2-door convertible, 2-passenger

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL CORVETTE		Additional Information Page No.	
Wheelbase (L-101)		23	102.0
	Front (W-101)	24	57.0
	Rear (W-102)	24	59.0
Maximum Overall Dimensions	Length (L-103)	23	176.7
	Width (W-103)	24	70.4
	Height (H-101)	22	52.2 (Hardtop 52.1)
Transmission (Select shift - optional - automatic)	Manual	13	3-speed Synchromesh; 4-speed optional
	Overdrive	14	None
	Automatic	14	Powerglide (optional)
Con- version Ratio	Manual	15	3-speed 3.36:1; *4-speed 3.36:1 (optional 3.08:1)
	Overdrive	15	None
	Automatic	15	3.36:1
Tire size		16	6.70 x 15-4 ply
Engine	Type, no. cyl., valve arr.	2	4 Engines available 90° V-8, OHV
	Fuel system (Carb., other)	6	Carburetor (b)
	Bore and stroke	2	4.00 x 3.25
	Platen displ., cu.in.	2	327.0
	Std. compression ratio	2	10.5:1 @
	Max. hp at engine rpm	2	(1) 250 hp at 4400 rpm (2) 300 hp at 5000 rpm (3) 340 hp at 6000 rpm (4) 360 hp at 6000 rpm
	Max. torque at rpm	2	(1) 250 hp - 950 at 2800 rpm (2) 300 hp - 360 at 3200 rpm (3) 340 hp - 344 at 4000 rpm (4) 360 hp - 352 at 4000 rpm

* - For 250 and 300 hp engines; for 340 and 360 hp engines, 4-speed ratio is 3.70:1. Form Rev. 6-60

(b)- Fuel injection for 360 hp engine.

@ - 11.25:1 for 340 and 360 hp engines.

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30 C.B. Where line or the name line or

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MODEL Corvette

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Borg and Beck, dry plate, semi-centrifugal
Type pressure plate springs	Coil
Effective plate pressure (lb.)	2000-2300
No. of clutch driven discs	One
Clutch facing	Premium woven asbestos composition
Material	10.0 x 6.5
Outside & inside dia.	90.68
Total eff. area (sq.in.)	.135
Thickness	Springs
Engagement cushioning method	
Release bearing	Type & method of lubrication
	Ball bearing, sealed
Torsional damping	Methods: springs, friction material
	None

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-Speed Standard; 4-Speed Optional
Manual with overdrive (std. or opt.)	N. A.
Automatic (std. or opt.)	Optional for 250 and 300 HP engines only

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Three	Four *
In first	2.47:1	2.20:1
In second	1.53:1	1.66:1
In third	1.00:1	1.31:1
In fourth	-----	1.00:1
In reverse	2.80:1	2.26:1
Synchronous meshing, specify gears	2nd and 3rd	All forward gears
Shift lever location	Floor	Floor
Capacity (pt.)	2.0	2.5
Lubricant	Type recommended	Multi-purpose gear lubricant
SAE viscosity number	Summer	SAE 90
	Winter	SAE 90
	Extreme cold	SAE 80

* - Available optionally first 2.54:1, second 1.92:1, third 1.51:1, fourth 1:1, reverse 2.61:1

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MODEL Corvette

DRIVE UNITS—WHEELS

Type & material	Short spoke disk, pressed steel
Rim (size and flange type)	15 x 5K (a)
Attachment	Stud
Type (bolt or stud)	Stud
Circle diameter	4.75
Number and size	5, 7/16-20 UNF-2B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.70 x 15-4 ply (blackwall)(b)
Rev./mile at 30 mph.	Type - Nylon, etc.	Rayon(d)
Inflation press (cold)	Front	24
	Rear	24

BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)	Duo-Servo, 4 wheel hydraulic	
Power brake make & type (remote, integral, etc.)	Standard	Heavy-Duty, RPO 686(c)
Effective area (sq. in.)*	157.0	134.0 •
Gross lining area (sq. in.)*	157.0	134.0 •
Swept drum area (sq. in.)*	259	327.0 •
Percent brake effectiveness—front	58.5	58.5
Drum	Front	11
	Rear	11
Type and material	Composite - cast alloy iron rim; pressed steel web	
Bonded or riveted	Bonded	Welded
Material	Full molded asbestos comp	Sintered iron
Size (length x width x thickness)	Front wheel	1.64 x 1.37 x .210 •
	Rear wheel	2.0 x 1.0 x .210 •
Segments per shoe	1	6
Material	Full molded asbestos comp	Sintered iron
Size (length x width x thickness)	Front wheel	1.64 x 1.37 x .330 •
	Rear wheel	2.0 x 1.00 x .330 •
Segments per shoe	1	10
Wheel cyl-inder bore	Front	1.1875
	Rear	1.00
Master cylinder bore		1.00
Available pedal travel		4.50
Line pressure at 100 lb. pedal load		700 psi
Shoe clearance adjustment	Adjust to light drag, back off 12 notches	

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept areas for four brakes

Widest lining contact width for each brake x its drum circumference.

(a) - 15 x 15.5K wheels available as RPO

(b) - White wall tire available as RPO

(c) - Additional heavy-duty brakes included in chassis package RPO 687 (See Supplementary Information).

(d) - Nylon tires available optionally.

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SUPPLEMENTARY INFORMATION

MODEL Corvette

Optional Heavy Duty Brakes (RPO 687)*

Type			Duo-Servo, 4-wheel hydraulic
Effective area (sq. in.)			126.0 •
Gross lining area (sq. in.)			126.0 •
Brake effectiveness, front			62%
Drum	Diameter	Front	11
		Rear	11
	Type & material		Composite; cast alloy iron rim pressed steel web
Brake cooling at each wheel			Vanes cast on drum rim, air scoop on backing plate, fans between drum and wheel hub.
Front Shoe Brake Lining	Attachment		Welded
	Material		Sintered iron
	Size	Front wheel	1.64 x 1.25 x .205 •
		Rear wheel	2.00 x .875 x .205 •
	Segments per shoe		6
Rear Shoe Brake Lining	Attachment		Welded
	Material		Sintered iron
	Size	Front wheel	1.64 x 1.25 x .325 •
		Rear wheel	2.0 x .875 x .325 •
	Segments per shoe		Front: 12; Rear: 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 17 notches

* - RPO 687 includes fast steering adapter and Heavy-Duty shock absorbers.