

AMA-40A

AMA Specifications - Passenger Car

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MANUFACTURER CHEVROLET MOTOR DIVISION GENERAL MOTORS CORP.	CAR NAME CHEVELLE - 54-56-5800 327 cu. in. V-8 ENGINE (Optional)	
MAILING ADDRESS Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Mich.	MODEL YEAR 1964	ISSUED: 12-2-63
	REVISED (a)	

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 standard models without optional equipment. Significant deviations are noted.
 - Nominal design dimensions are used throughout these specifications.

TABLE OF CONTENTS

General Specifications 1	Drive Units 15	Rear Suspension 21	Body & Car - General 22
Engine - Mechanical 2	Brakes 18	Body Dimensions 22	Weights 33
Electrical 10	Front Suspension & Steering . . 19	Station Wagon 31	Index 37

BODY-TYPES AND STYLE NAMES—

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

(Optional)
327 Cu. In.
8-Cylinder

CHEVELLE 300

2-Door Sedan, 6-Pass.	---	5411
4-Door Station Wagon, 2-Seat	---	5435
2-Door Station Wagon, 2-Seat	---	5415
4-Door Sedan, 6-Pass.	---	5469

MALIBU

4-Door Station Wagon, 2-Seat	---	5635
2-Door Sport Coupe, 5-Pass.	---	5637
2-Door Convertible, 5-Pass.	---	5667
4-Door Sedan, 6-Pass.	---	5669
4-Door Station Wagon, 3-Seat	---	5645

MALIBU SUPER SPORT

2-Door Sport Coupe, 4-Pass.	---	5837
2-Door Convertible, 4-Pass.	---	5867

EL CAMINO

2-Door Sedan Pickup, 3-Pass. Regular	---	5480
2-Door Sedan Pickup, 3-Pass. Deluxe	---	5680

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AMA Specifications — Passenger Car

Page 1

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•)

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL 54, 56, -5800			Additional Information Page No.	327 Cu. In. Engines (Optional)				
				250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)		
Wheelbase (L101)			23	115.0				
Tread	Front (W101)	22	Sedans		Sport Coupe	Convertible	Sta/Wagon	
	Rear (W102)	22	58.0					
Maximum Overall Dimensions	Length (L103)	23	193.9					198.8
	Width (W103)	22	74.6					
	Height (H101)	24	54.5	54.0			54.1	
Transmission— (Specify trade name - opt., not available)	Manual	15	3-Speed, Std. 4-Speed, Opt.		4-Speed, Opt.			
	Overdrive	16	Not offered					
	Automatic	16	Powerglide, Opt.			Not offered		
Axle ratio	Manual	3-Speed 4-Speed	3.36:1	---				
	Overdrive	17	-----					
	Automatic	17	3.08:1	3.36:1	---			
Tire size			18	7.00 x 14				
Engine	Type, no. cyl., valve arr.	2	90° OHV V-8					
	Fuel system (Carb., other)	8	Carburetor					
	Bore and stroke	2	4.001 x 3.250					
	Piston displ., cu.in.	2	327					
	Std. compression ratio	2	10.5:1			11.0:1		
	Max. bhp at engine rpm	2	250 @ 4400	300 @ 5000	365 @ 6200			
	Max. torque at rpm	2	350 @ 2800	360 @ 3200	350 @ 4000			

AMA Specifications - Passenger Car

Page 15

MAKE OF CAR CHEVELLE MODEL YEAR 1963 DATE ISSUED 2-2-63 REVISED (*) 3-16-64

MODEL 34-31-3500 250 HP 300 HP 365 HP
RPO 6-L70 RPO 6-L74 RPO 6-L76

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disk, centrifugal		
Type pressure plate springs	Disc type, vent finger design		
Effective plate pressure (lb)	2,000-2,500		
No. of clutch driven discs	1 with 3 friction surfaces		
	Premium W.G. en. asbestos		
Clutch facing	Material		
	Outside & inside dia.	10.4, 6.5 10.4, 6.5	10.0, 6.5
	Total eff. area (sq. in.)	103.5	90.7
	Thickness	.115 in. u. coated	
	Engagement cushioning method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single bearing, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-Speed, 4-Speed, opt.	4-Speed, opt.
Manual with overdrive (std. or opt.)	Not offered	
Automatic (std. or opt.)	Options	Not offered

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3-speed	4-speed
Transmission ratios	In first	2.58	2.50
	In second	1.48	1.41
	In third	1.0	1.0
	In fourth	—	1.0
	In reverse	2.58	2.64
Synchronous meshing, specific gears		2-3 and 3-4	All forward gears
Shift lever location		Steering column	Floor
Lubricant	Capacity (pt.)	2	2.5
	Type recommended	Motor oil, SAE 10 or 15, or M-1-L-2 0-30	
	SAE viscosity number	Summer	SAE 10
		Winter	SAE 10
		Extreme cold	SAE 10

AMA Specifications - Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (*)

MODEL 54-56-5800 372 in.³ displacement engines -
250 HP, 300 HP and 365 HP

DRIVE UNITS—WHEELS

Type & material	Short spoke disk, steel	
Rim (size and flange type)	Std.	14 x 5J
	Opt.	----
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 hex nuts, 7/16-20 UNF-2B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.00 x 14-4 PR
	Type - Nylon, etc.	Rayon, tubeless, blackwall
Rev/mile at 50 mph.		187
Inflation press. (cold)	Front	24
	Rear	24 except wagons 28
Optional tires - size and ply	7.00x14 4PR, hyway, rayon, whitewall; 7.50x14-4PR(*), hyway, nylon, blackwall; 7.50x14-4PR(**), hyway, nylon, whitewall; 7.50x14-4PR, hyway, rayon, whitewall; 7.50x14-6PR(**), hyway, rayon, blackwall; 7.50x14-4PR, hyway, rayon, blackwall	

BRAKES—SERVICE

		Regular production	Metallic
Type (duo-servo, disc, balanced, etc.)		Duo-servo, 4-wheel hydraulic, reverse self-adjusting	
Self adjusting (std., opt., N.A.)		Standard	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)			
Effective area (sq. in.)*		168.3	118.1
Gross lining area (sq. in.)**		168.3	118.1
Swept drum area (sq. in.)***		228.6	
Percent brake effectiveness—front		59.0	
Drum	Diameter	Front	9.5
		Rear	9.5
	Type and material	Composite: rim, cast iron; web, steel	
Wheel cylinder bore	Front	1.125	
	Rear	.9375	
Master cylinder bore		1.0	.875
Available pedal travel		6.70	
Line pressure at 100 lb. pedal load		783	1023
Shoe clearance adjustment		Self adjusting	

* 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.

(*) - Items indicated "4" 4 ply construction.

(**) - Items indicated "6" 6 ply construction.

(Continued)

AMA Specifications—Passenger Car

Page 19

MAKE OF CAR CHEVROLET

MODEL YEAR 1964

DATE ISSUED 12-2-63 REVISED 5-10-64

327 in. 3 displacement engines -
250 HP, 300 HP, 365 HP

MODEL 24 44 4400

BRAKES—SERVICE (cont.)

Regular Production

Metallic

Boiled

Welded

Molded asbestos

Sintered iron

Brake shoe

Material

Size

Length

Width

Thickness

Segments per shoe

Material

Size

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